Prüfbericht-Nr.: *Test report No.:*	**60379462 003**	**Auftrags-Nr.:** *Order No.:*	168264037	Seite 1 von 13 *Page 1 of 13*
Kunden-Referenz-Nr.: *Client reference No.:*	N/A	**Auftragsdatum:** *Order date.:*	25.05.2020	
Auftraggeber: *Client:*	**Amazon.com Services LLC** 410 Terry Ave N, Seattle, Washington 98109, United States Of America			
Prüfgegenstand: *Test item:*	AMAZON LOCKER			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	ZL-ODIN-V1			
Auftrags-Inhalt: *Order content:*	FCC and IC approval			
Prüfgrundlage: *Test specification:*	*CFR47 FCC Part 15: Subpart C Section 15.247 *CFR47 FCC Part 22 *CFR47 FCC Part 24 *CFR47 FCC Part 27 *CFR47 FCC Part 90		*RSS-247 Issue 2 *RSS-130 Issue 2 *RSS-132 Issue 3 *RSS-133 Issue 6 *RSS-139 Issue 3	

Wareneingangsdatum: *Date of receipt:*	25.05.2020	Please refer to photo documents
Prüfmuster-Nr.: *Test sample No.:*	A000798751-001/002	
Prüfzeitraum: *Testing period:*	25.05.2020 - 15.06.2020	
Ort der Prüfung: *Place of testing:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result*:*	Pass	

geprüft von / *tested by:*			**kontrolliert von /** *reviewed by:*		
24.06.2020	Lin Lin / Project Manager		24.06.2020	Sam Lin / Technical Certifier	
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges / *Other:*

* The BG96 module with Bluetooth unit are combination in a new host, the co-located radiated spurious emission is arrange re-assessment.

** This product contains transmitter module (Contains FCC ID : XMR201707BG96; Contains IC: 10224A-201709BG96).

FCC ID: 2AWCC-5677

IC: 24273-5677 HVIN: ZL-ODIN-V1

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:* Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhalt
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient	5 = poor
	P(ass) = passed a.m. test specifications(s)		F(ail) = failed a.m. test specifications(s)	N/A = not applicable	N/T = not tested

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

Test Summary

5.1.1 CO-LOCATED RADIATED SPURIOUS EMISSIONS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Co-Located Radiated Spurious Emissions

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.
362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Accreditation Designation No.: CN1260
ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

TÜV Rheinland (Shenzhen) Co., Ltd.

Unwanted Emission Testing				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
EMI Test Receiver	R&S	ESR 7	102021	19.08.2020
Signal Analyzer	R&S	FSV 40	101439	21.08.2020
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	21.08.2020
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	20.08.2020
Amplifier	R&S	SCU-18F	180070	20.08.2020
Amplifier	R&S	SCU40A	100475	20.09.2020
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	02.09.2020
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	02.09.2020
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	02.09.2020
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	01.09.2020
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18313	02.09.2020
Test software	R&S	EMC32 (V10.50.40)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic	Albatross	SAC-3m	APC17151-SAC	06.07.2020

Chamber				

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty as below table.

Parameter	Uncertainty
Radiated Emission (3m SAC), 30MHz to 1000MHz	± 4.52 dB
Radiated Emission (3m SAC), above 1000MHz	± 4.37 dB
Temperature	±1 °C
Humidity	±5 %
Voltage (DC)	±1 %
Voltage (AC, <10kHz)	±2 %

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd.. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is an Amazon Locker which supports Bluetooth LE functions.

Note: This product contains transmitter module.
Contains FCC ID: XMR201707BG96
Contains IC: 10224A-201709BG96

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	AMAZON LOCKER
Type Designation	ZL-ODIN-V1
FCC ID	2AWCC-5677
IC	24273-5677
HVIN	ZL-ODIN-V1
Battery Specification	Model: 26S1024 Nominal Voltage: 6Vdc Typical Capacity: 40.8Ah
Testing Voltage	6Vdc
Work Temperature	-20°C ~ +55°C
Equipment Class	Class B
Bluetooth	
Bluetooth Version:	V5.0
Frequency Range:	2402-2480MHz
Type of Modulation:	GFSK
Data Rate:	1Mbps
Quantity of Channels	40
Channel Separation:	2MHz
Type of Antenna:	Integral Antenna
Antenna number:	1
Antenna Gain:	-4dBi
GPRS/EGPRS	
Wireless Technology:	GPRS, EGPRS
Operation Frequency band(s)	GPRS/EGPRS: 850/1900
Power Class:	GPRS 900: Class 4 GPRS1800: Class 1 EGPRS 900/1800: E2
GPRS Class	Multi-slot:12
EGPRS Class	Multi-slot:12
Type of Modulation:	GPRS: GMSK EGPRS: GMSK, 8PSK
Channel separation	200KHz
Type of Antenna:	External Antenna

Antenna number:	1
Antenna Gain:	2dBi
HW version:	R1.0
SW version:	BG96MAR02A02M1G
eMTC	
Wireless Technology:	eMTC
Operation Frequency band(s)	Band 2/4/5/12/13/26
Power Class:	Class 3
Type of Modulation:	QPSK, 16QAM
Type of Antenna:	External Antenna
Antenna number:	1
Antenna Gain:	2dBi
HW version:	R1.0
SW version:	BG96MAR02A02M1G
NB-IoT	
Wireless Technology:	NB-IoT
Operation Frequency band(s)	Band 2/5/12/13/26
Power Class:	Class 3
Type of Modulation:	BPSK, QPSK
Type of Antenna:	External Antenna
Antenna number:	1
Antenna Gain:	2dBi
HW version:	R1.0
SW version:	BG96MAR02A02M1G

3.3 Independent Operation Modes

The basic operation modes are:

A. GPRS/EGPRS, eMTC, NB-IoT with Bluetooth LE mode Co-located radiated spurious emissions

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- FCC/IC Label and Location Info
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.

According to clause 3.1, all tests were performed on model ZL-ODIN-V1 in this report.

4.3 Test Environment, Test Channel and Frequency

Table 3: Test environments

Environment Parameter	Selected Values During Tests		
	Temperature	Voltage	Relative Humidity
TNVN	25°C±2°C	Fully charged battery	Ambient

Table 4: Test channel and frequency

Modes	Test Channels (MHz)	Remark
Bluetooth LE	Based on the report 60379462 001 worst case modes	Issued by TÜV Rheinland (Shenzhen) Co., Ltd.
GPRS/EGPRS/ eMTC/NB-IoT	Based on the report RXA1706-0199RF01R1, RXA1706-0199RF02R1, RXA1706-0199RF03R1, RXA1706-0199RF04R1, RXA1706-0199RF05, RXA1706-0199RF06, RXA1706-0199RF07, RXA1706-0199RF08, RXA1709-0316RF01, RXA1709-0316RF02, RXA1709-0316RF03, RXA1709-0316RF05, RXA1709-0316RF06, RXA1709-0316RF07 worst case modes	Issued by TA Technology (Shanghai) Co., Ltd.

4.4 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	166305	N/A

4.5 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.6 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

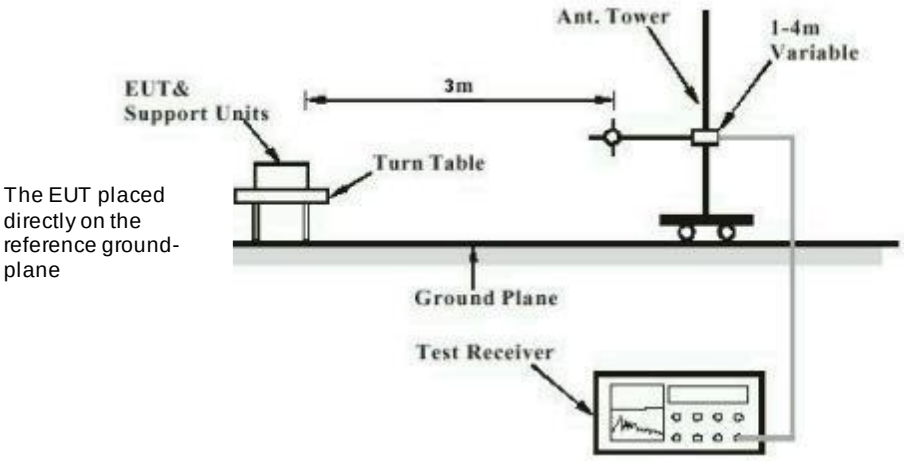
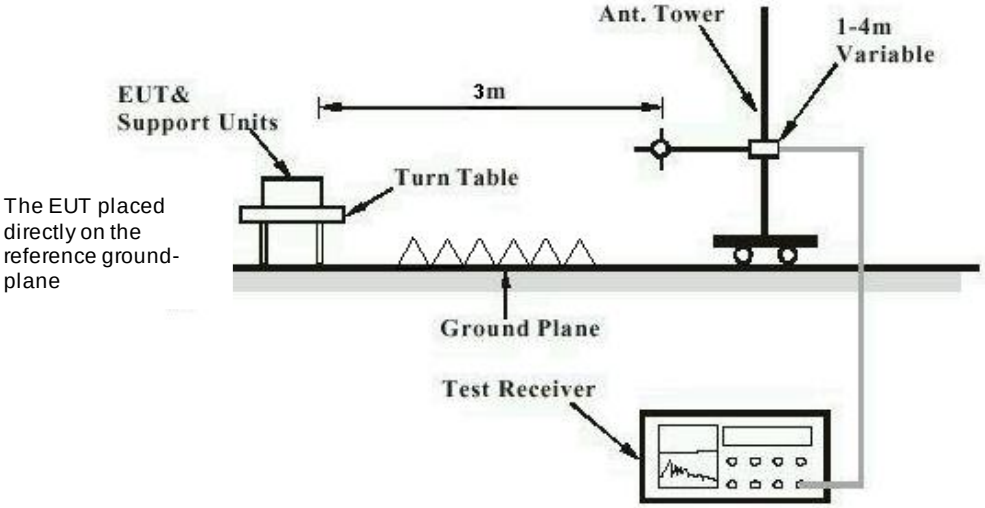


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



5 Test Results

5.1 Radio Test

5.1.1 Co-Located Radiated Spurious Emissions

RESULT: **Pass**

Test Specification

Test standard	:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 22 CFR47 FCC Part 24 CFR47 FCC Part 27 CFR47 FCC Part 90 RSS-247 Issue 2 RSS-130 Issue 2 RSS-132 Issue 3 RSS-133 Issue 6 RSS-139 Issue 3
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	9KHz up to 10th harmonic of the highest frequency
Limits	:	KDB 996369 D04 The emissions not exceed the highest limit.
Kind of test site	:	3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	:	2020-06-03 to 2020-06-15
Input voltage	:	6Vdc
Operation mode	:	A
Earthing	:	Not connected
Ambient temperature	:	24 ℃
Relative humidity	:	45 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

Note: The test plots of Co-located radiated spurious emissions beyond the limit are the fundamental radio frequency of Bluetooth with GPRS/EGPRS/eMTC/NB-IoT.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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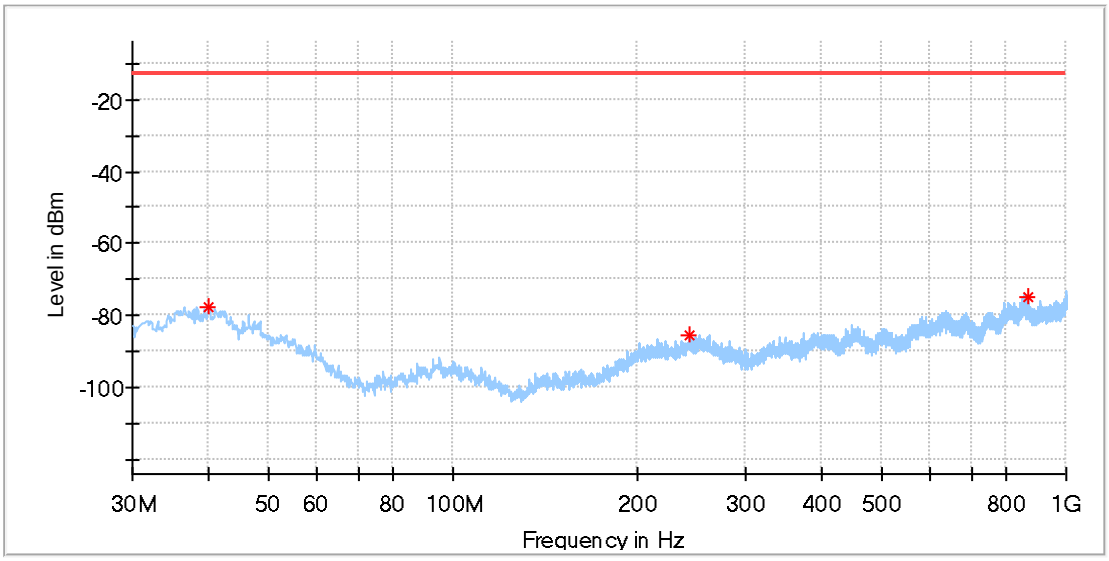
1. Co-located Radiated Spurious Emissions

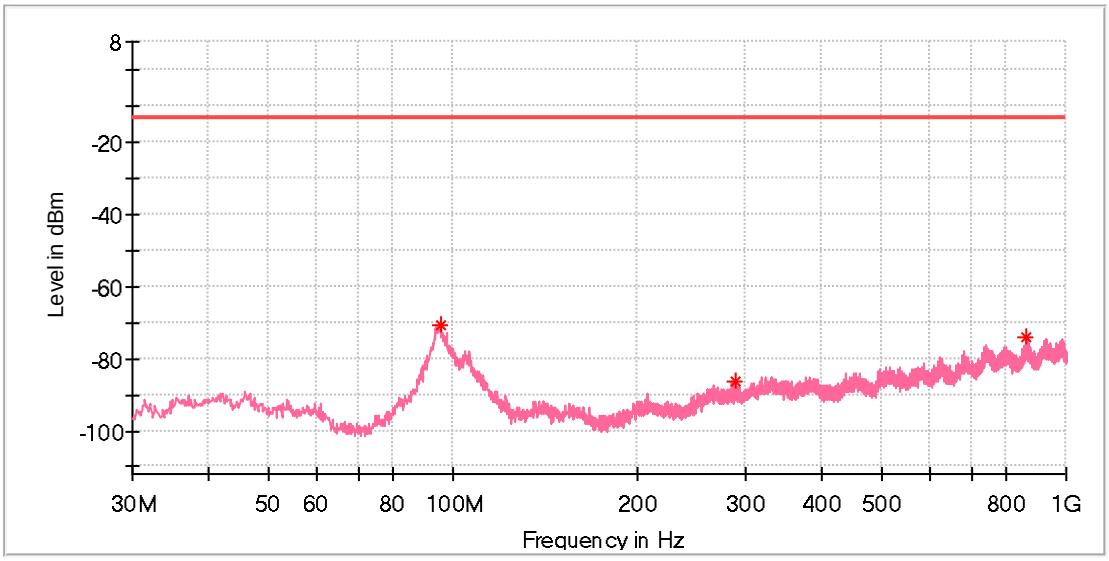
1.1 Bluetooth with GPRS/EGPRS, bleow 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



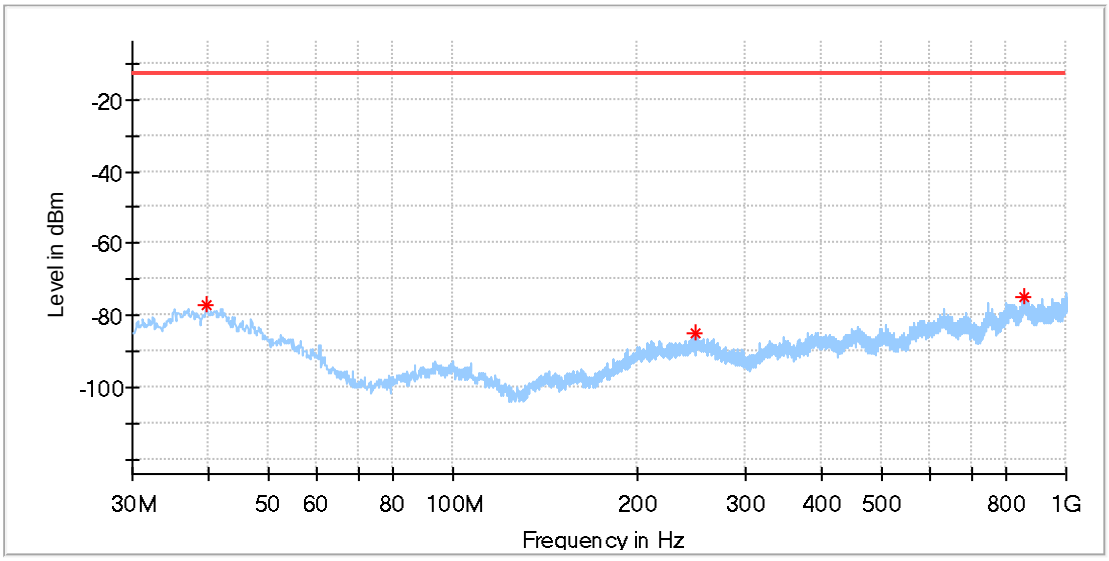
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.821250	-77.70	---	-13.00	64.70	100.0	H	81.0	-113.4
243.521250	-85.27	---	-13.00	72.27	100.0	H	292.0	-110.0
865.533750	-74.61	---	-13.00	61.61	100.0	H	327.0	-101.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



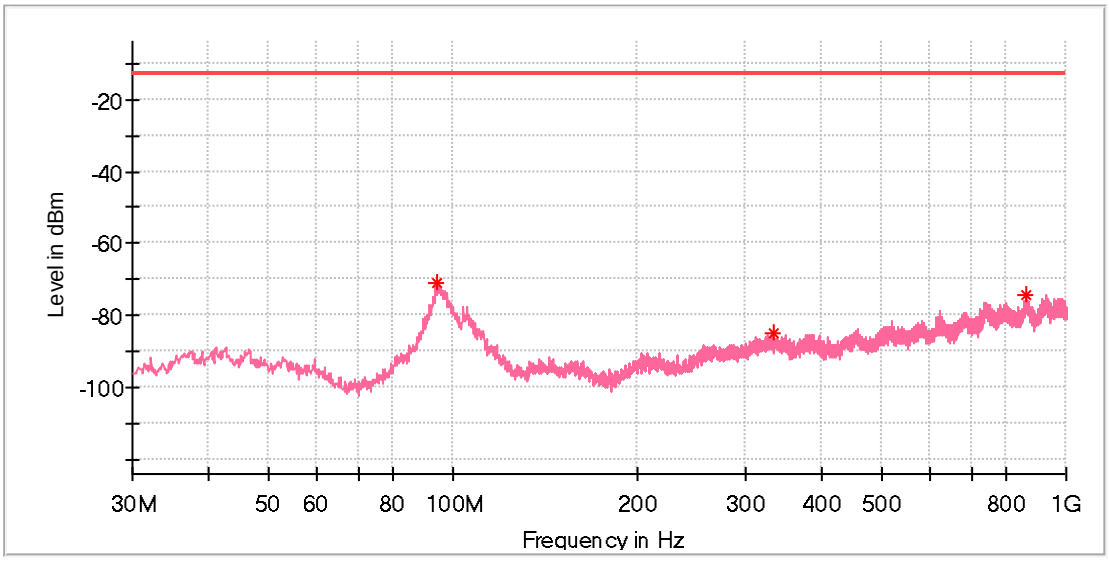
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.353750	-70.53	---	-13.00	57.53	100.0	V	180.0	-100.0
289.717500	-86.39	---	-13.00	73.39	100.0	V	92.0	-112.6
862.260000	-74.30	---	-13.00	61.30	100.0	V	235.0	-100.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.578750	-77.25	---	-13.00	64.25	100.0	H	96.0	-113.7
249.098750	-84.95	---	-13.00	71.95	100.0	H	7.0	-110.0
856.925000	-74.96	---	-13.00	61.96	100.0	H	0.0	-100.4

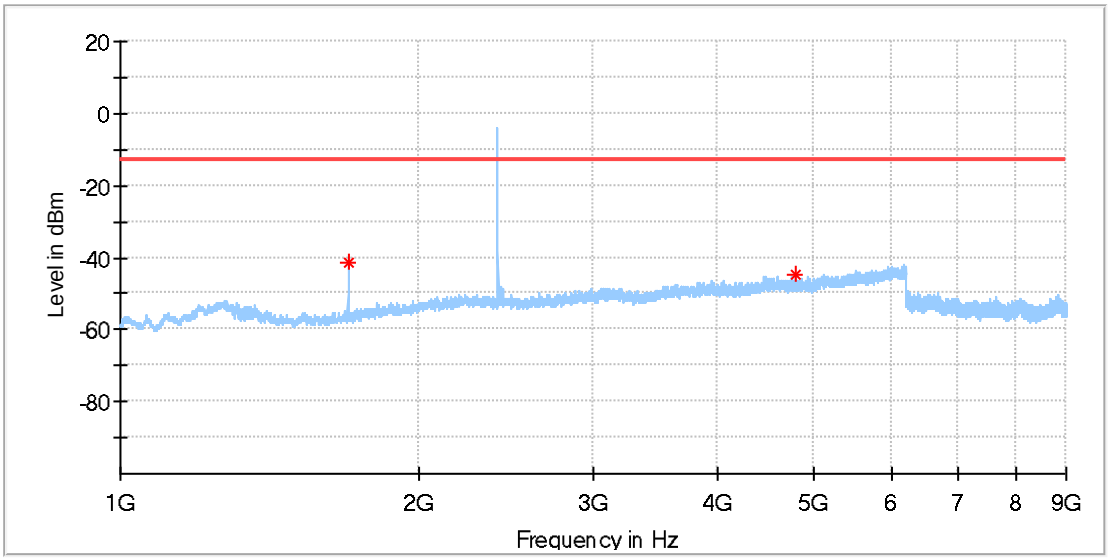
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.141250	-71.08	---	-13.00	58.08	100.0	V	12.0	-99.7
332.397500	-85.03	---	-13.00	72.03	100.0	V	183.0	-111.9
862.987500	-74.60	---	-13.00	61.60	100.0	V	262.0	-100.9

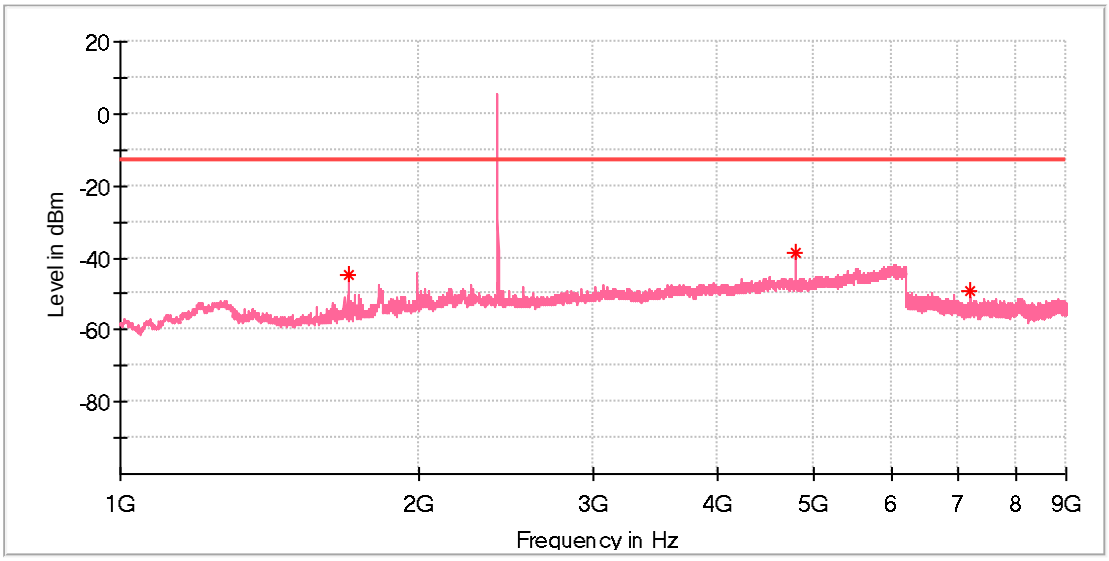
1.2 Bluetooth with GPRS/EGPRS, above 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



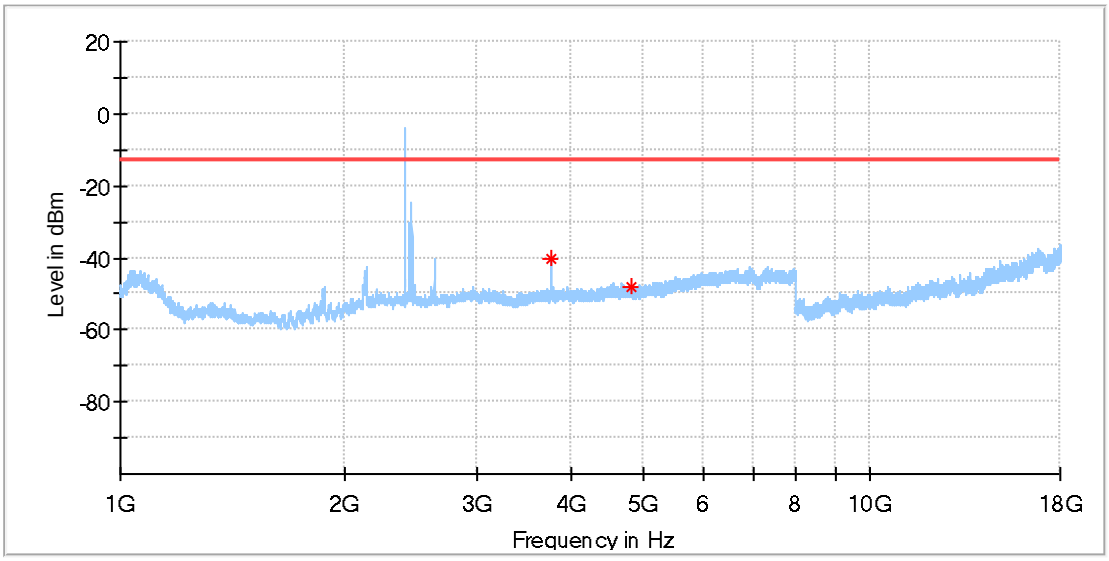
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.500000	-41.55	---	-13.00	28.55	100.0	H	47.0	-92.4
4804.000000	-44.84	---	-13.00	31.84	100.0	H	201.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



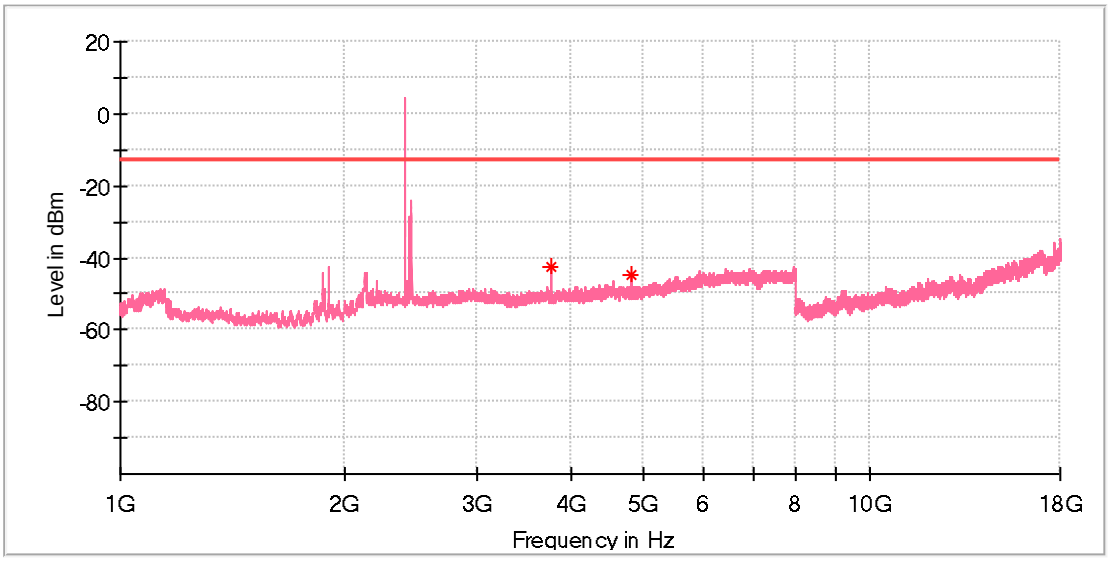
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.500000	-44.92	---	-13.00	31.92	100.0	V	208.0	-92.1
4803.000000	-38.51	---	-13.00	25.51	100.0	V	83.0	-84.0
7204.850000	-49.17	---	-13.00	36.17	100.0	V	101.0	-87.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3760.000000	-40.40	---	-13.00	27.40	100.0	H	127.0	-86.6
4803.500000	-47.82	---	-13.00	34.82	100.0	H	40.0	-85.8

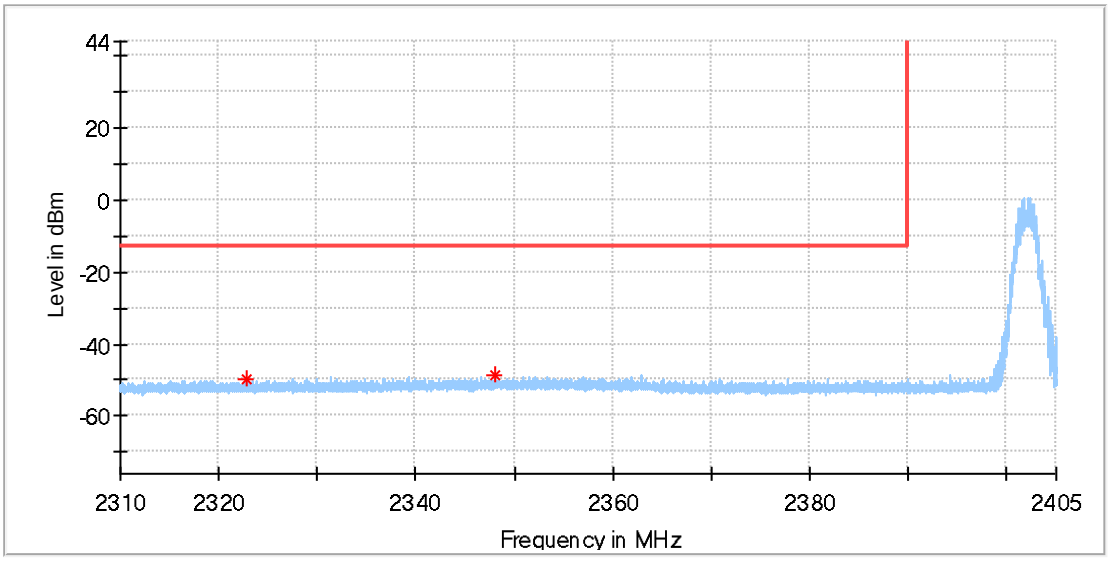
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3759.500000	-42.57	---	-13.00	29.57	100.0	V	56.0	-87.0
4804.500000	-44.65	---	-13.00	31.65	100.0	V	56.0	-85.9

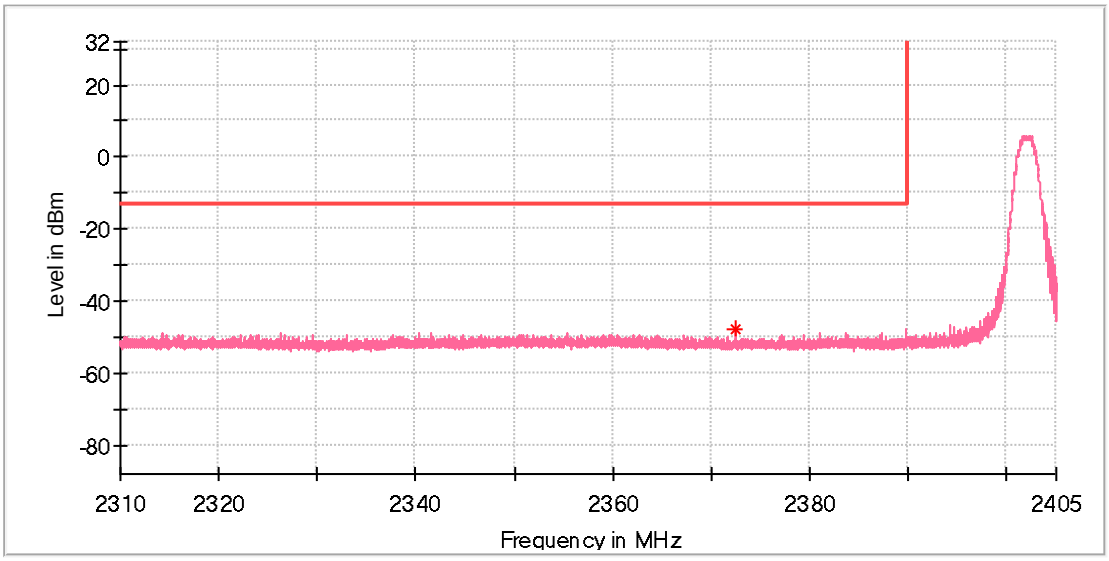
1.3 Bluetooth with GPRS/EGPRS, bandedge

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



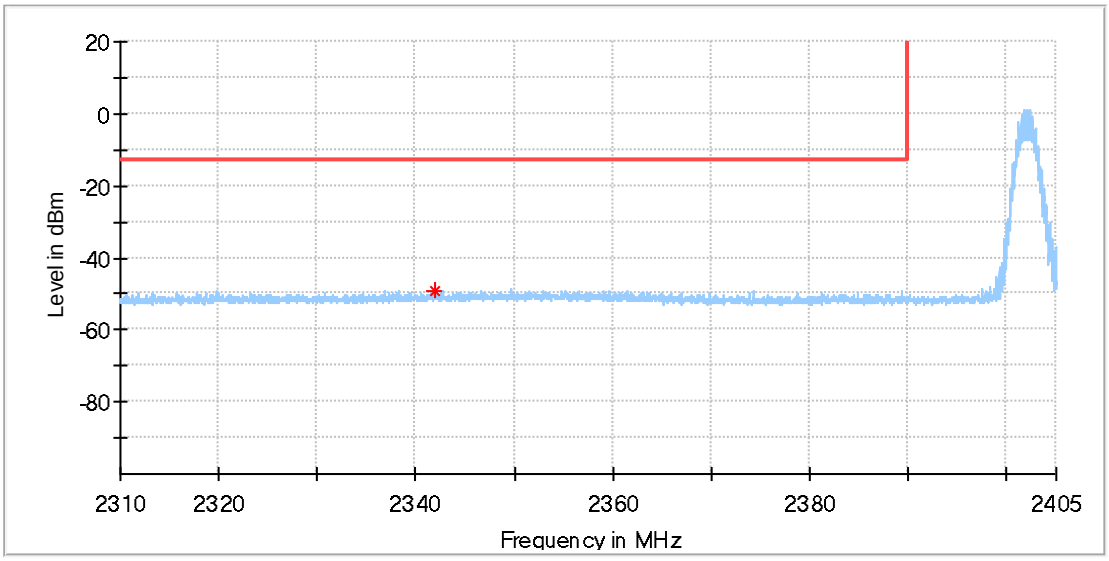
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2322.737755	-49.89	---	-13.00	36.89	100.0	H	4.0	-87.9
2348.009694	-48.82	---	-13.00	35.82	100.0	H	4.0	-87.5

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM850 GPRS 1Tx CH251
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



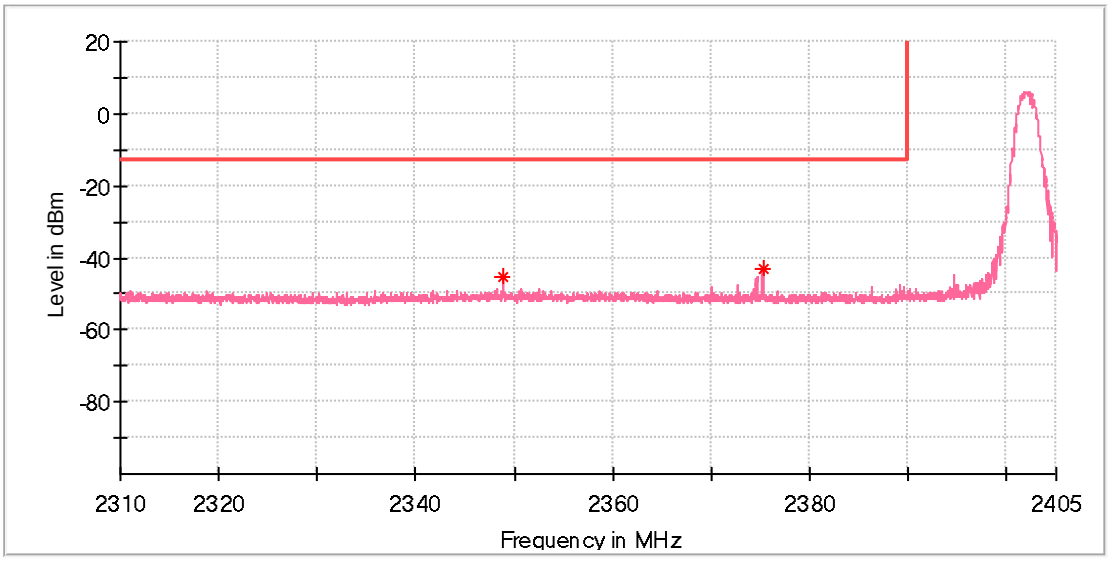
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2372.457653	-47.73	---	-13.00	34.73	100.0	V	134.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2342.038750	-49.02	---	-13.00	36.02	100.0	H	247.0	-87.6

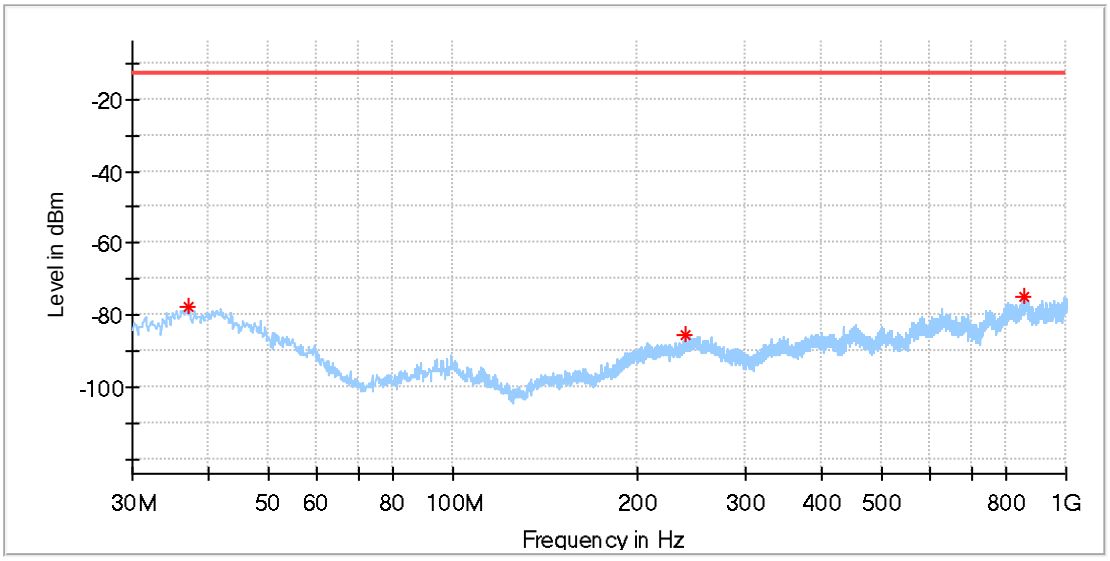
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & GSM1900 GPRS 1Tx CH661
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2348.831250	-45.23	---	-13.00	32.23	100.0	V	139.0	-87.8
2375.288750	-42.85	---	-13.00	29.85	100.0	V	118.0	-87.8

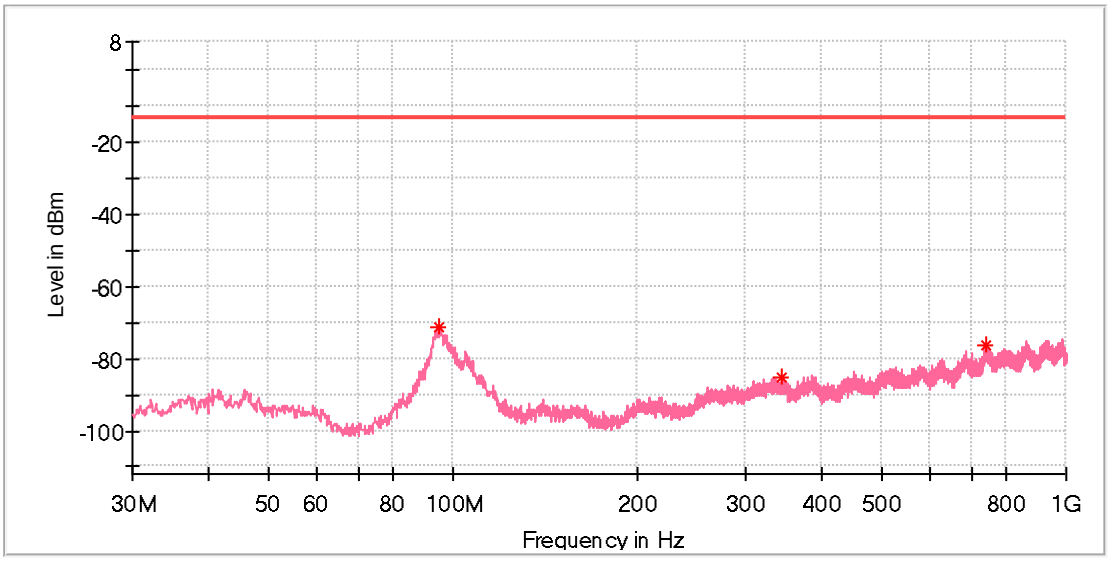
1.4 Bluetooth with eMTC, below 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



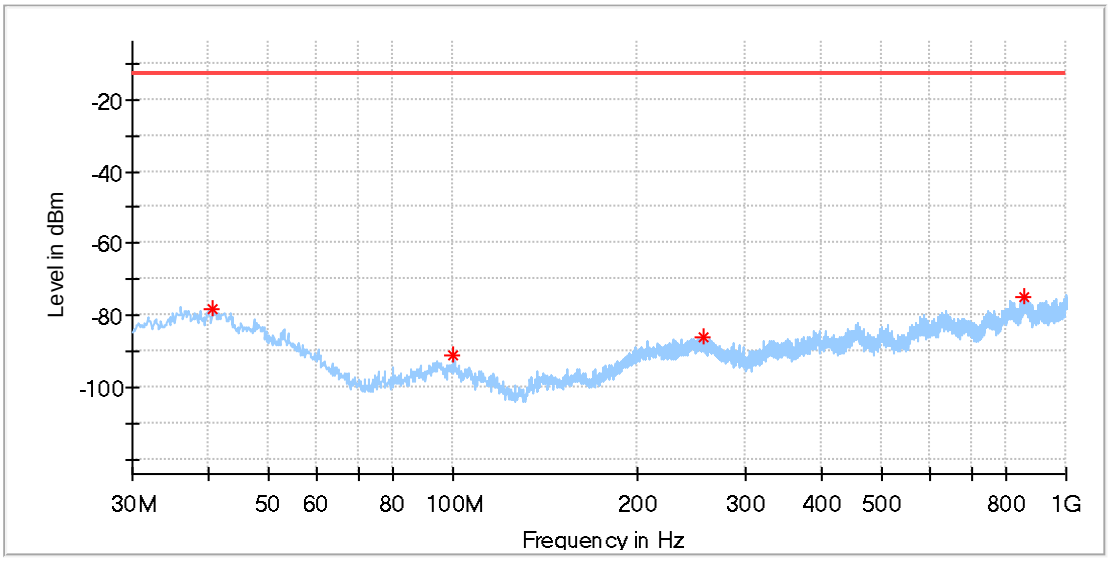
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.032500	-77.73	---	-13.00	64.73	100.0	H	247.0	-113.3
240.005000	-85.73	---	-13.00	72.73	100.0	H	348.0	-110.5
853.045000	-74.62	---	-13.00	61.62	100.0	H	227.0	-100.2

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



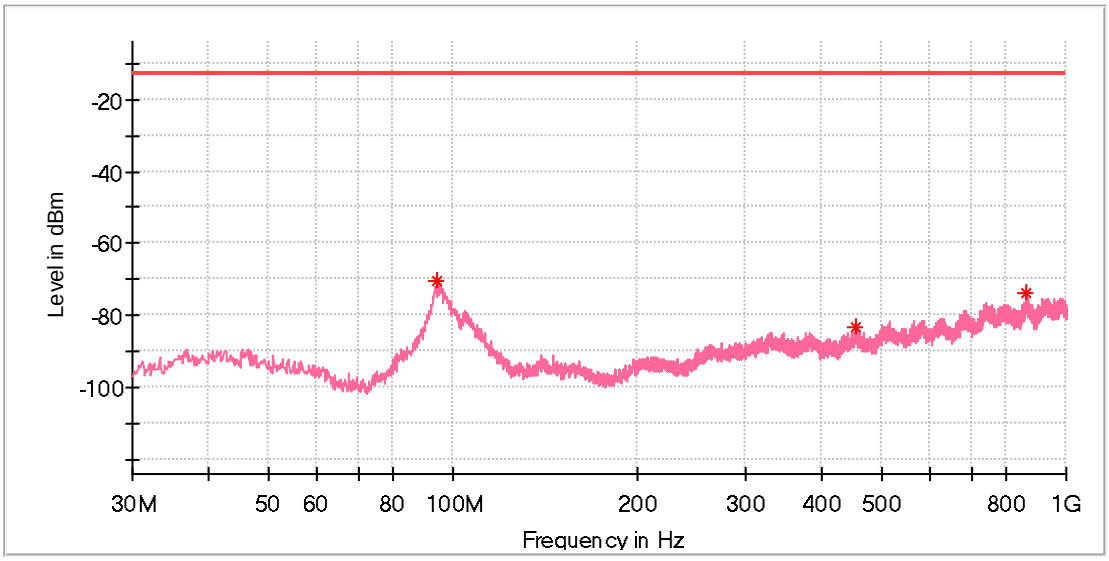
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.868750	-71.31	---	-13.00	58.31	100.0	V	334.0	-99.6
343.916250	-85.24	---	-13.00	72.24	100.0	V	6.0	-110.9
741.858750	-76.14	---	-13.00	63.14	100.0	V	283.0	-102.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



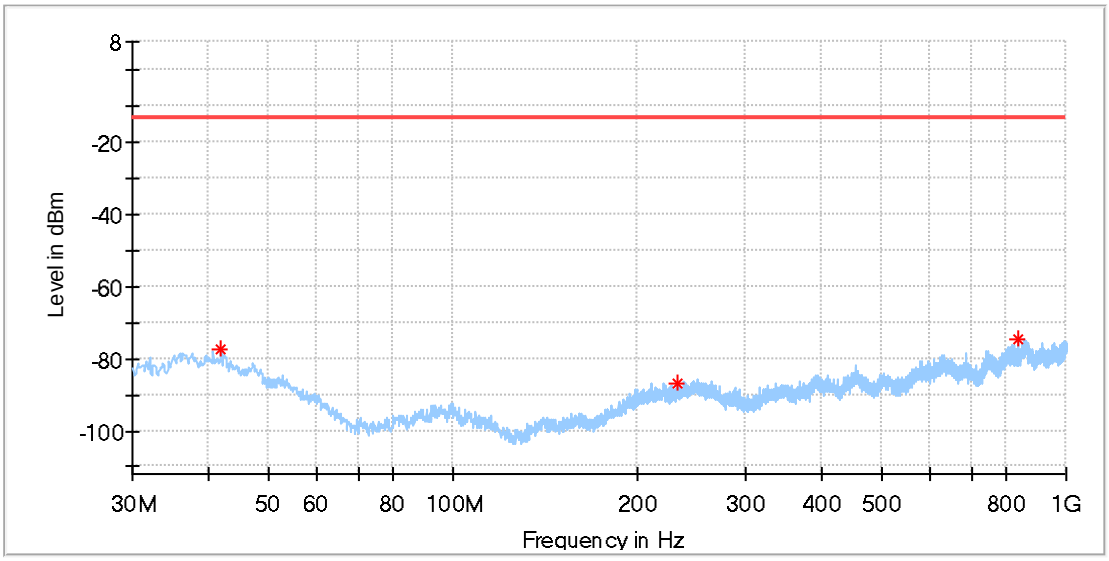
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.548750	-78.31	---	-13.00	65.31	100.0	H	279.0	-112.7
100.325000	-91.16	---	-13.00	78.16	100.0	H	4.0	-120.8
256.252500	-86.03	---	-13.00	73.03	100.0	H	165.0	-111.4
856.197500	-74.67	---	-13.00	61.67	100.0	H	242.0	-100.4

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



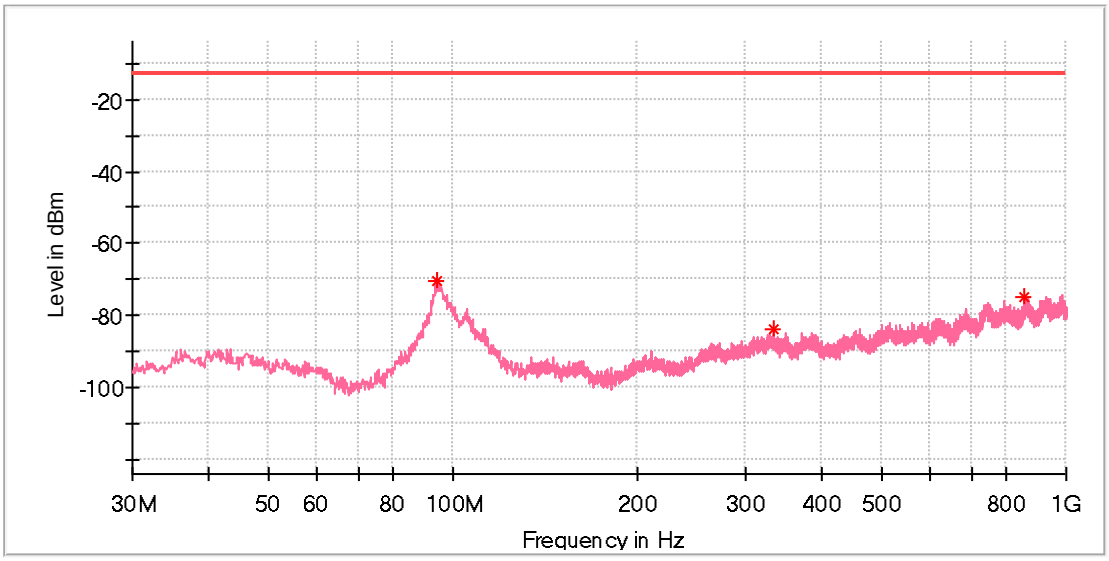
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.141250	-70.56	---	-13.00	57.56	100.0	V	136.0	-99.7
453.162500	-83.34	---	-13.00	70.34	100.0	V	9.0	-109.8
859.592500	-73.97	---	-13.00	60.97	100.0	V	300.0	-101.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



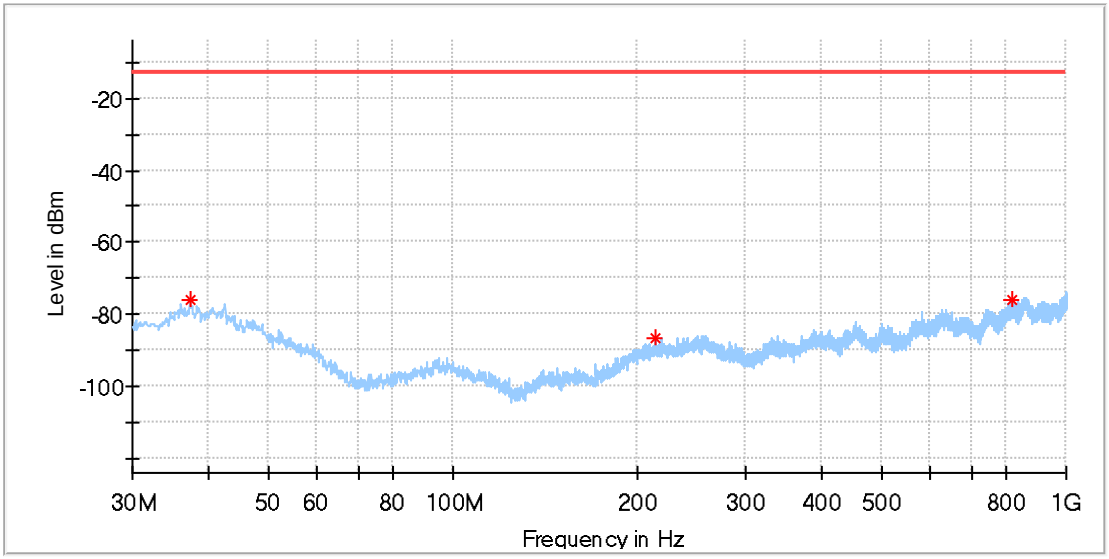
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.882500	-77.62	---	-13.00	64.62	100.0	H	238.0	-112.2
231.760000	-86.80	---	-13.00	73.80	100.0	H	189.0	-112.4
834.008750	-74.73	---	-13.00	61.73	100.0	H	270.0	-102.2

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



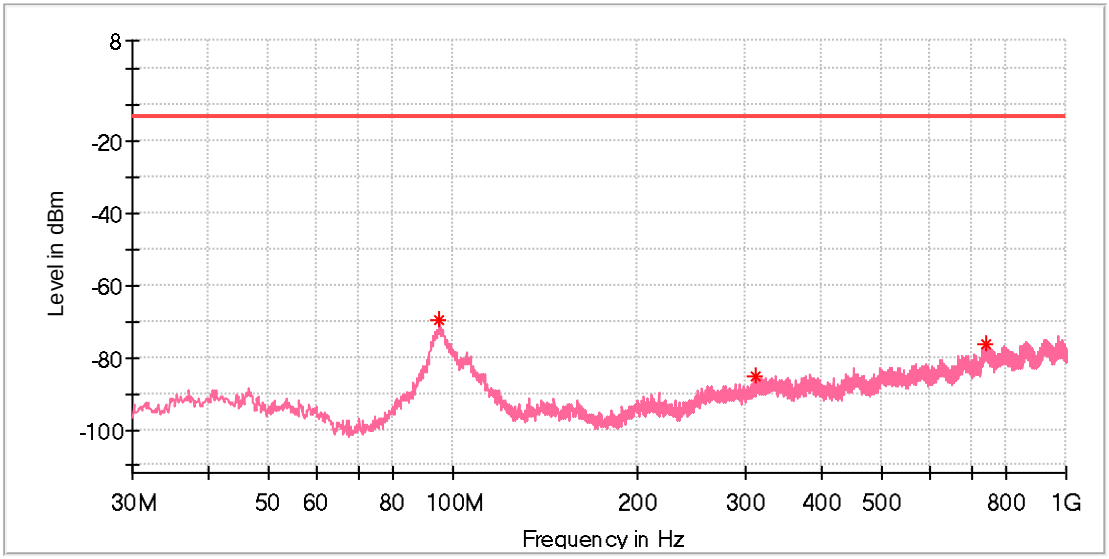
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.505000	-70.43	---	-13.00	57.43	100.0	V	342.0	-99.6
333.610000	-84.02	---	-13.00	71.02	100.0	V	307.0	-111.8
851.590000	-74.71	---	-13.00	61.71	100.0	V	203.0	-102.2

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



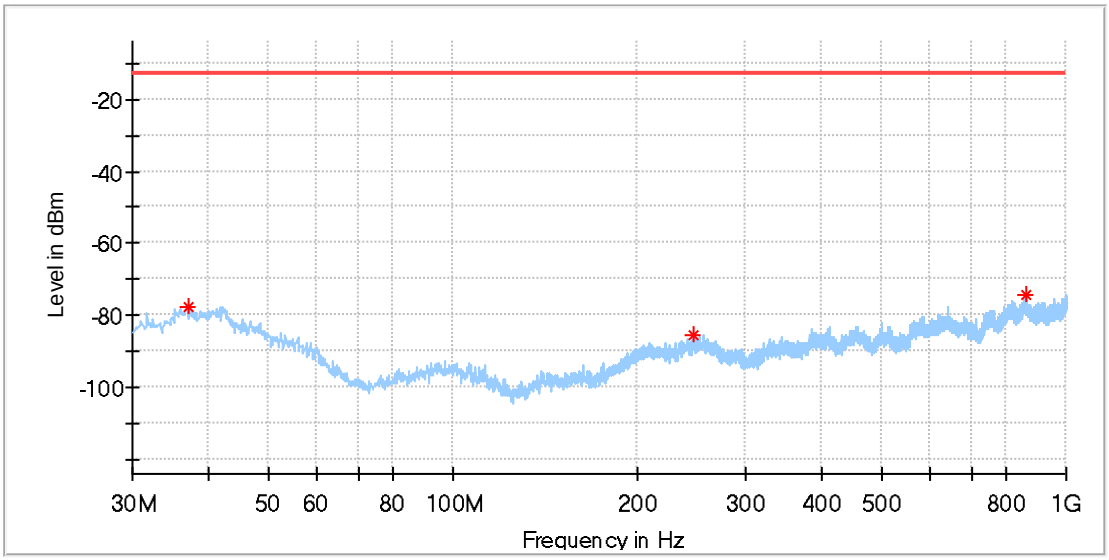
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.275000	-75.83	---	-13.00	62.83	100.0	H	145.0	-113.5
213.330000	-86.70	---	-13.00	73.70	100.0	H	64.0	-114.7
816.548750	-75.80	---	-13.00	62.80	100.0	H	241.0	-101.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



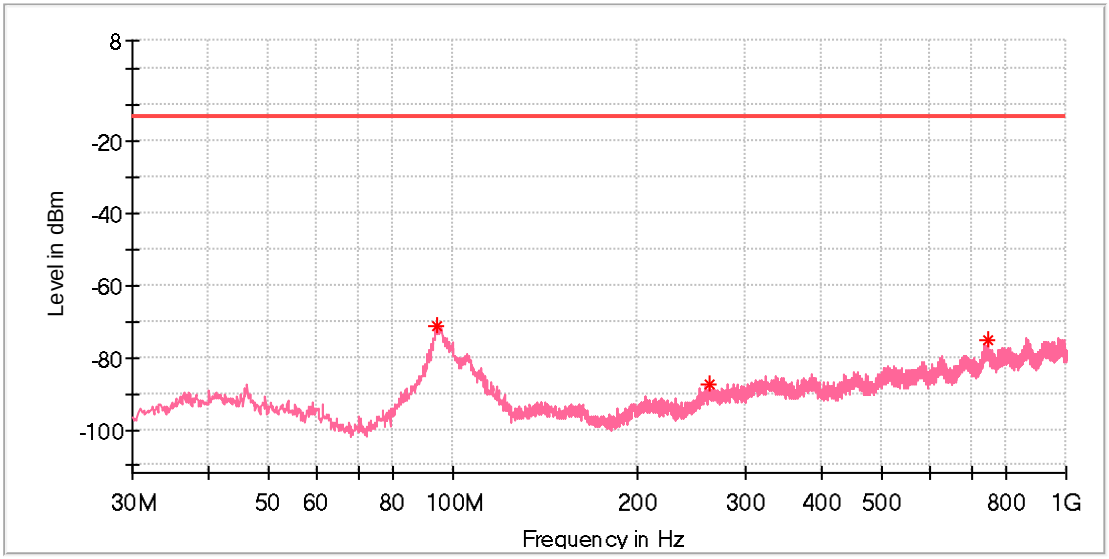
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.111250	-69.84	---	-13.00	56.84	100.0	V	18.0	-99.6
312.633750	-85.37	---	-13.00	72.37	100.0	V	50.0	-111.3
742.222500	-76.48	---	-13.00	63.48	100.0	V	327.0	-102.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



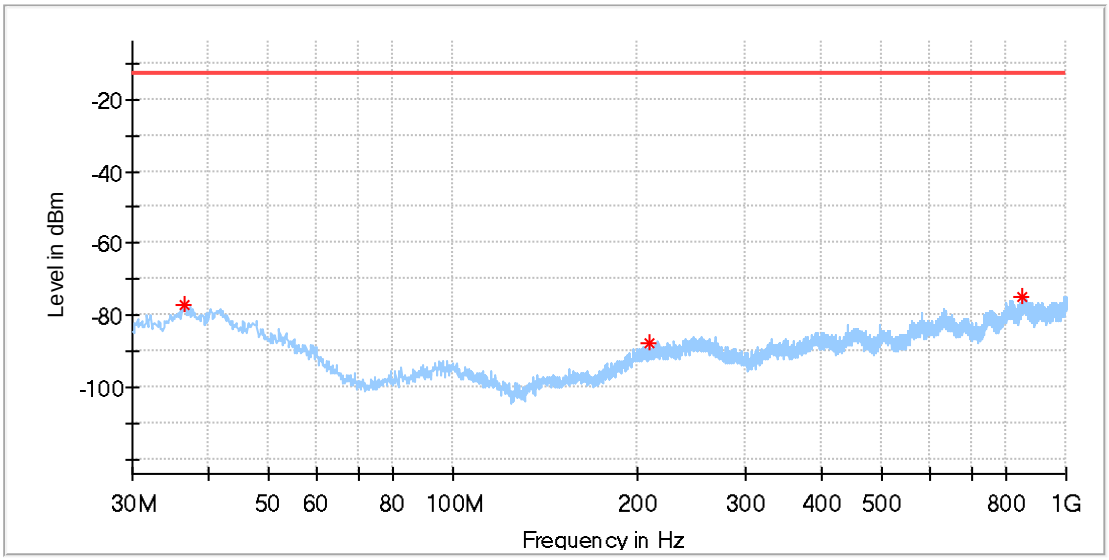
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.032500	-77.93	---	-13.00	64.93	100.0	H	116.0	-113.3
245.946250	-85.23	---	-13.00	72.23	100.0	H	148.0	-110.0
861.653750	-74.07	---	-13.00	61.07	100.0	H	128.0	-100.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



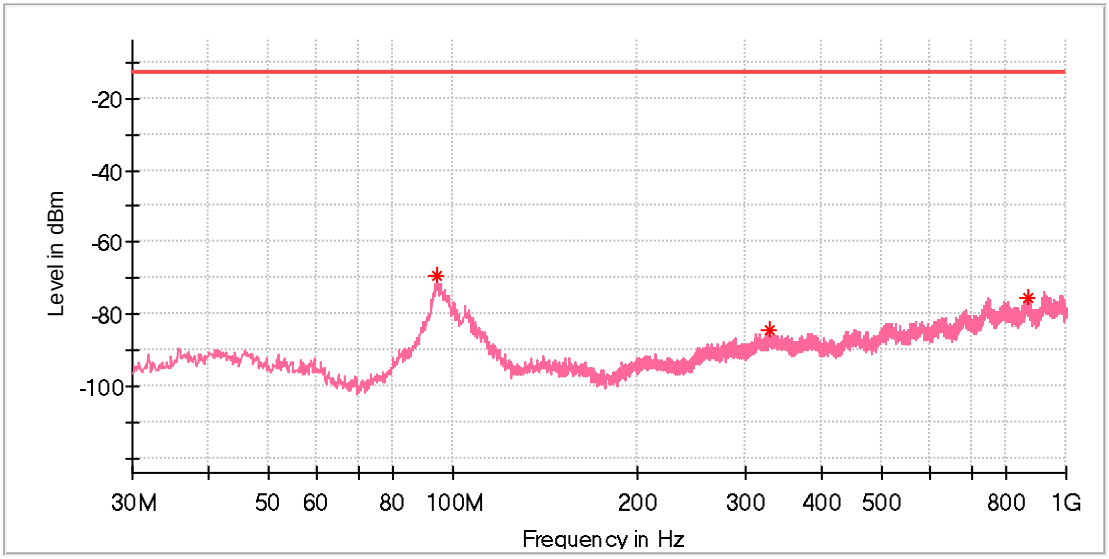
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.383750	-71.11	---	-13.00	58.11	100.0	V	349.0	-99.6
261.830000	-87.65	---	-13.00	74.65	100.0	V	274.0	-114.7
747.921250	-75.18	---	-13.00	62.18	100.0	V	355.0	-102.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



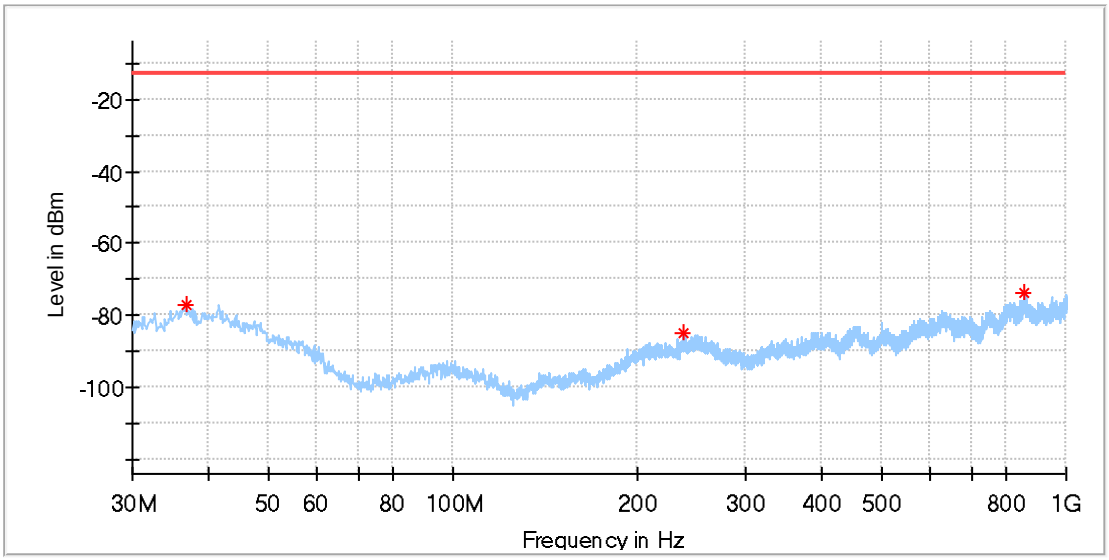
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.547500	-76.98	---	-13.00	63.98	100.0	H	0.0	-113.2
208.722500	-87.56	---	-13.00	74.56	100.0	H	21.0	-115.1
849.771250	-74.85	---	-13.00	61.85	100.0	H	188.0	-100.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



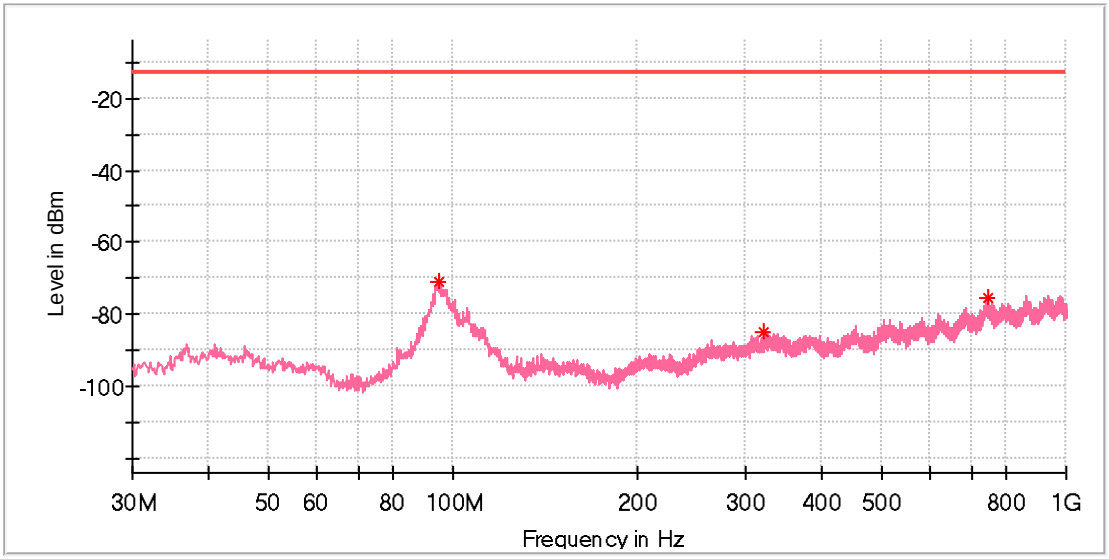
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.383750	-69.27	---	-13.00	56.27	100.0	V	239.0	-99.6
328.153750	-84.54	---	-13.00	71.54	100.0	V	0.0	-112.2
864.200000	-75.43	---	-13.00	62.43	100.0	V	336.0	-100.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.668750	-76.97	---	-13.00	63.97	100.0	H	348.0	-113.2
238.186250	-84.82	---	-13.00	71.82	100.0	H	0.0	-110.8
857.046250	-73.84	---	-13.00	60.84	100.0	H	30.0	-100.4

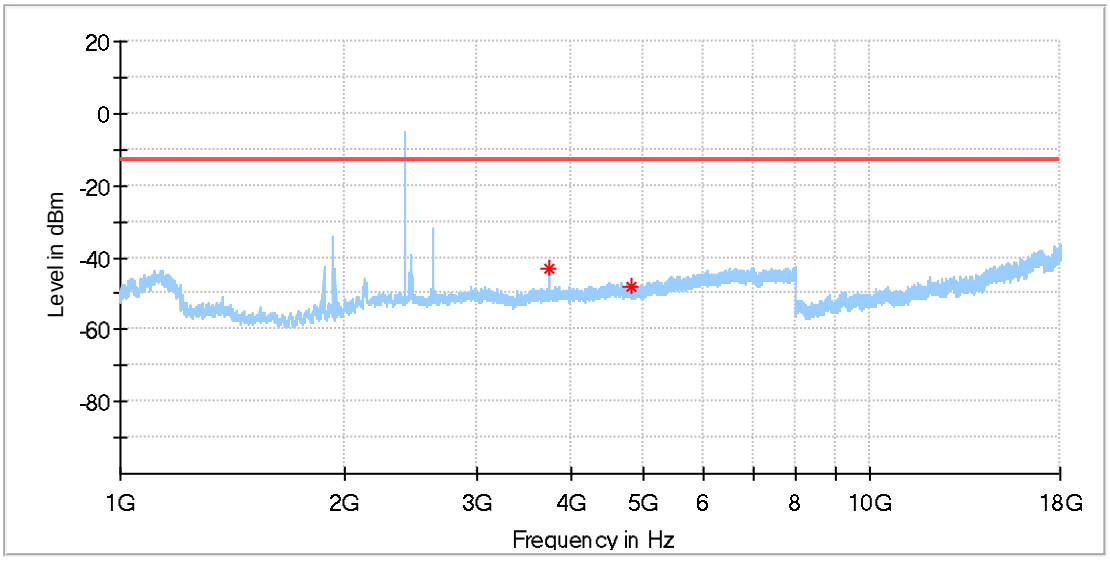
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.990000	-71.03	---	-13.00	58.03	100.0	V	155.0	-99.6
320.636250	-84.94	---	-13.00	71.94	100.0	V	314.0	-111.7
744.283750	-75.57	---	-13.00	62.57	100.0	V	4.0	-102.1

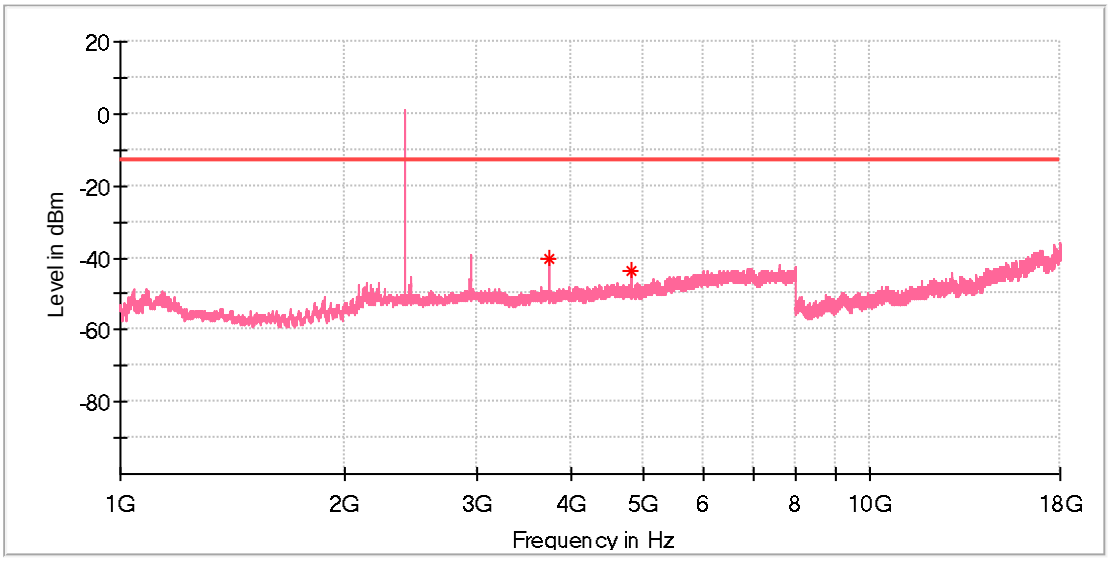
1.5 Bluetooth with eMTC, above 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



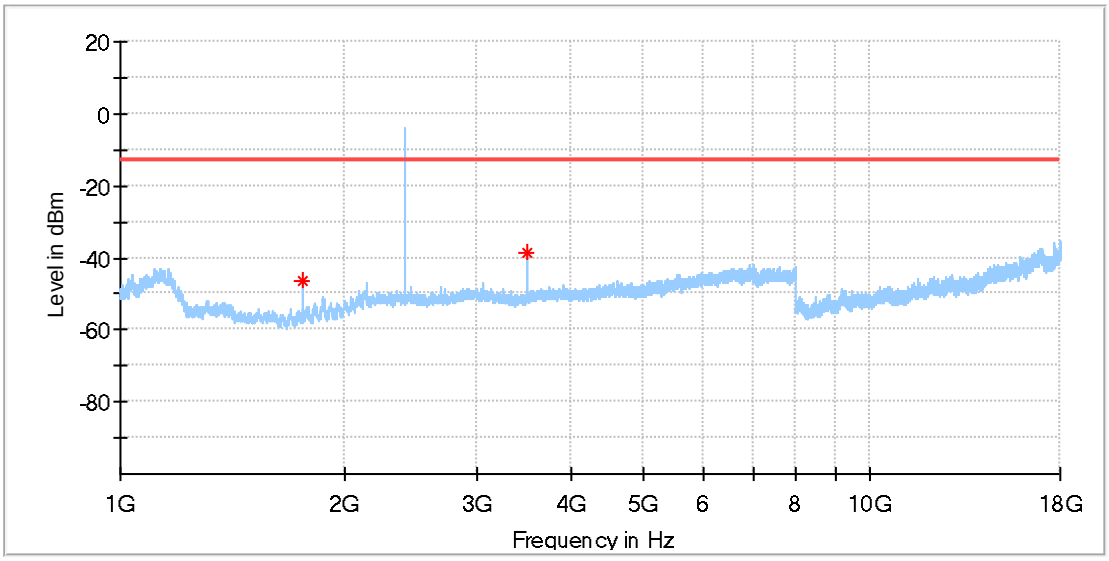
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3742.500000	-42.97	---	-13.00	29.97	100.0	H	82.0	-86.6
4803.500000	-47.93	---	-13.00	34.93	100.0	H	40.0	-85.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



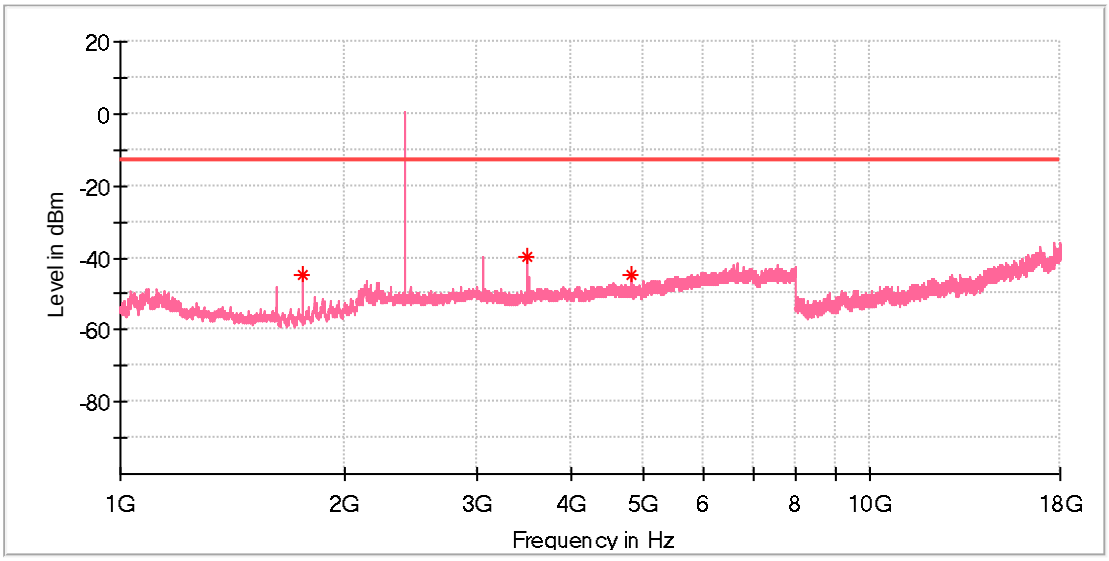
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3742.500000	-40.10	---	-13.00	27.10	100.0	V	199.0	-86.8
4804.500000	-43.42	---	-13.00	30.42	100.0	V	54.0	-85.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



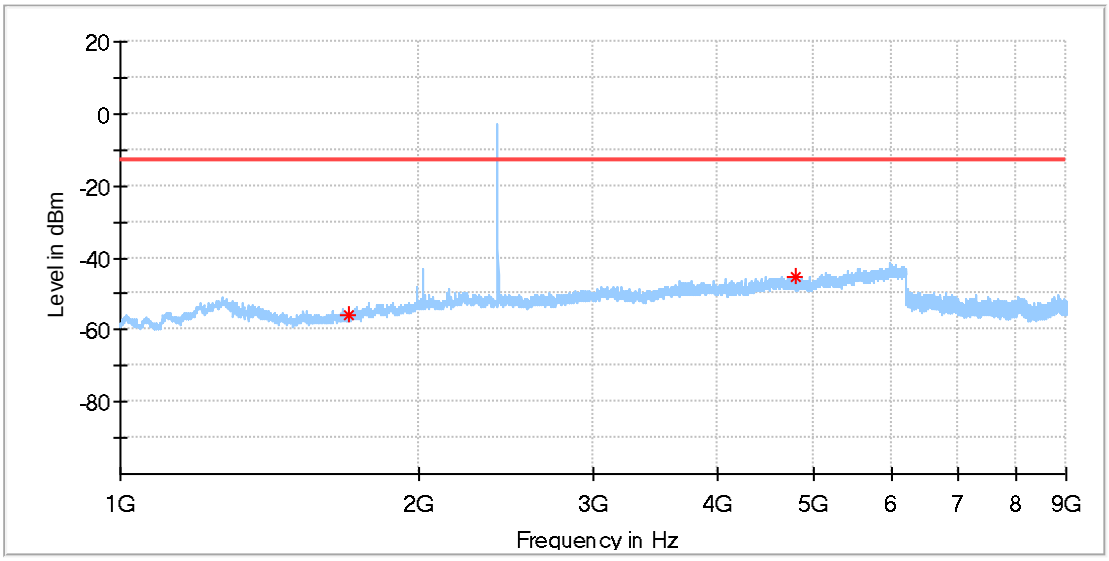
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1750.000000	-46.50	---	-13.00	33.50	100.0	H	41.0	-91.2
3500.000000	-38.43	---	-13.00	25.43	100.0	H	147.0	-87.4

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



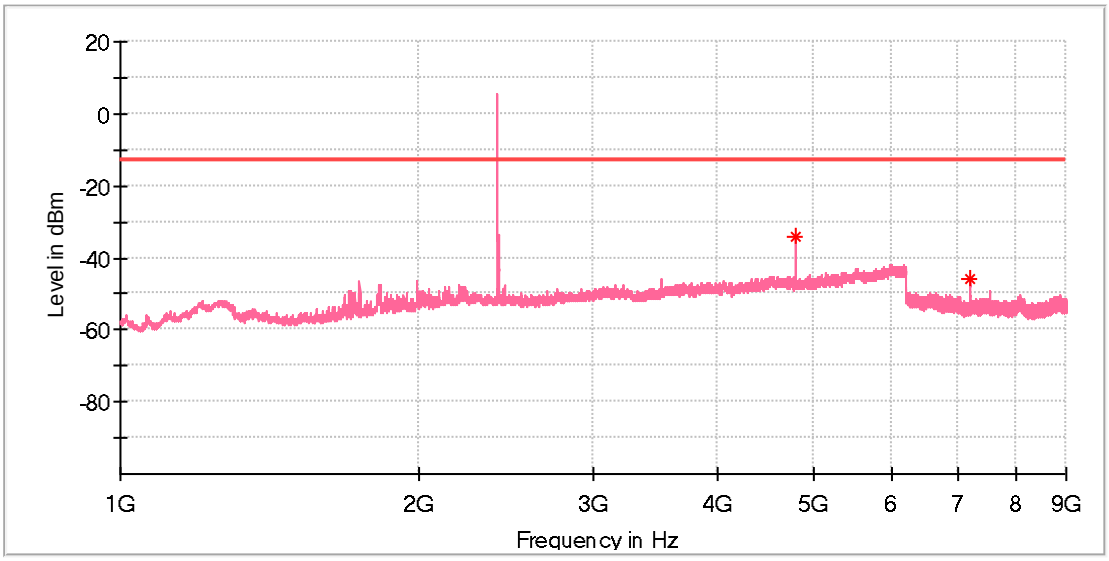
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1750.500000	-44.93	---	-13.00	31.93	100.0	V	18.0	-91.5
3500.500000	-39.80	---	-13.00	26.80	100.0	V	111.0	-87.6
4803.500000	-44.68	---	-13.00	31.68	100.0	V	137.0	-85.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



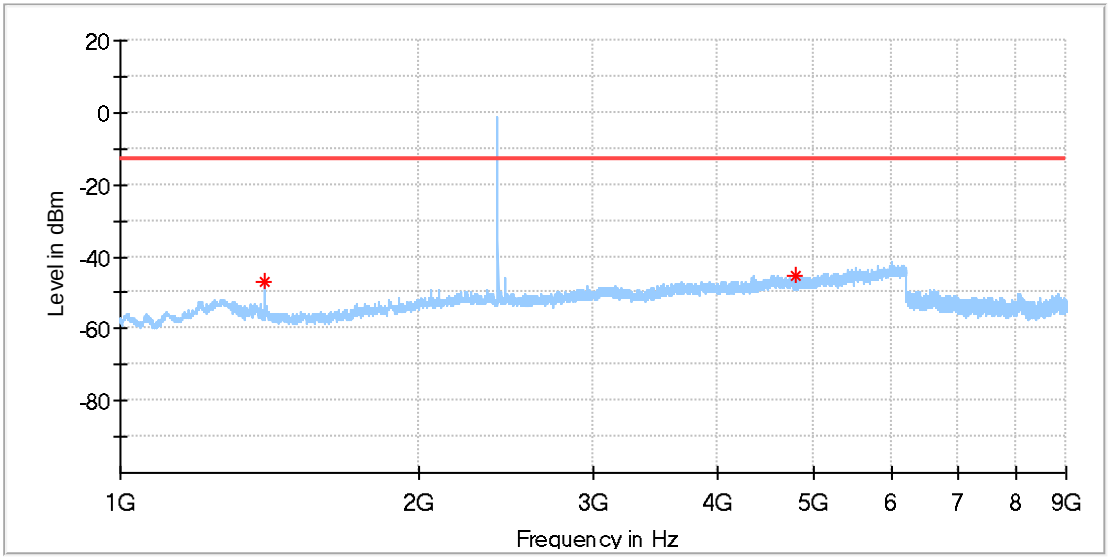
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1698.000000	-55.66	---	-13.00	42.66	100.0	H	167.0	-92.4
4804.500000	-45.03	---	-13.00	32.03	100.0	H	18.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



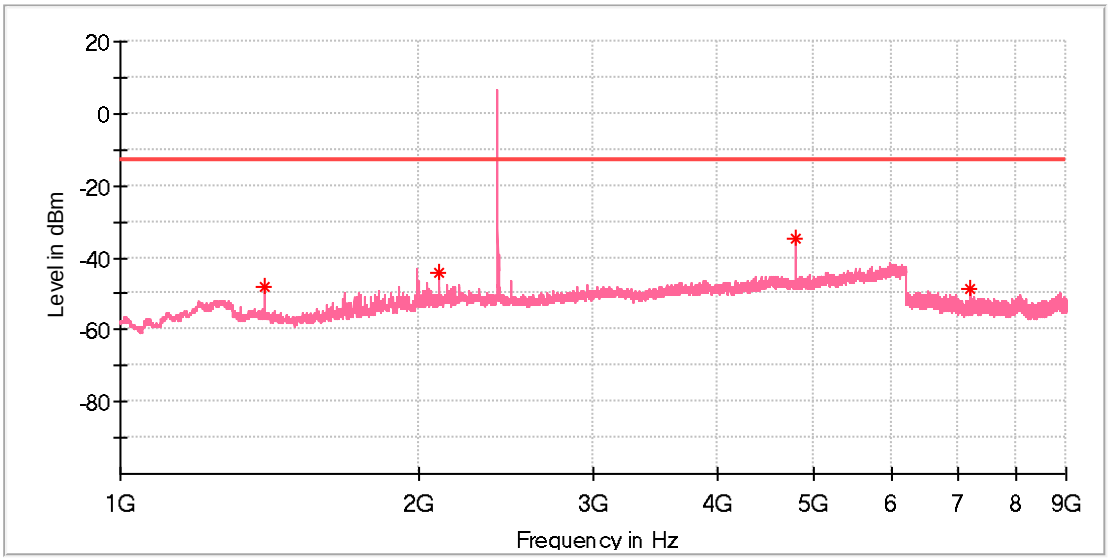
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4803.500000	-34.26	---	-13.00	21.26	100.0	V	88.0	-84.0
7205.666667	-45.89	---	-13.00	32.89	100.0	V	66.0	-87.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



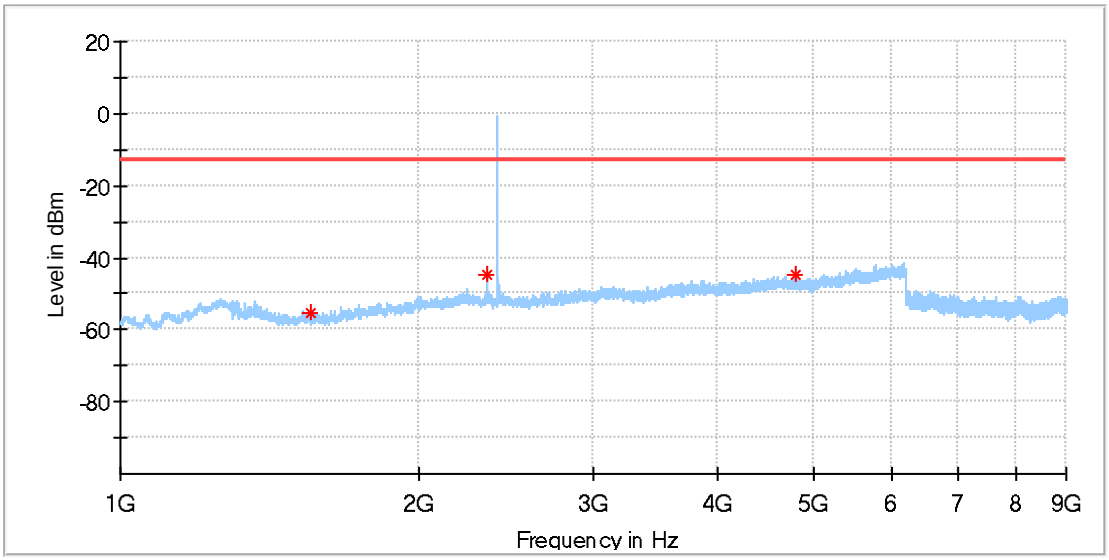
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1399.500000	-47.15	---	-13.00	34.15	100.0	H	183.0	-93.0
4804.000000	-45.56	---	-13.00	32.56	100.0	H	142.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



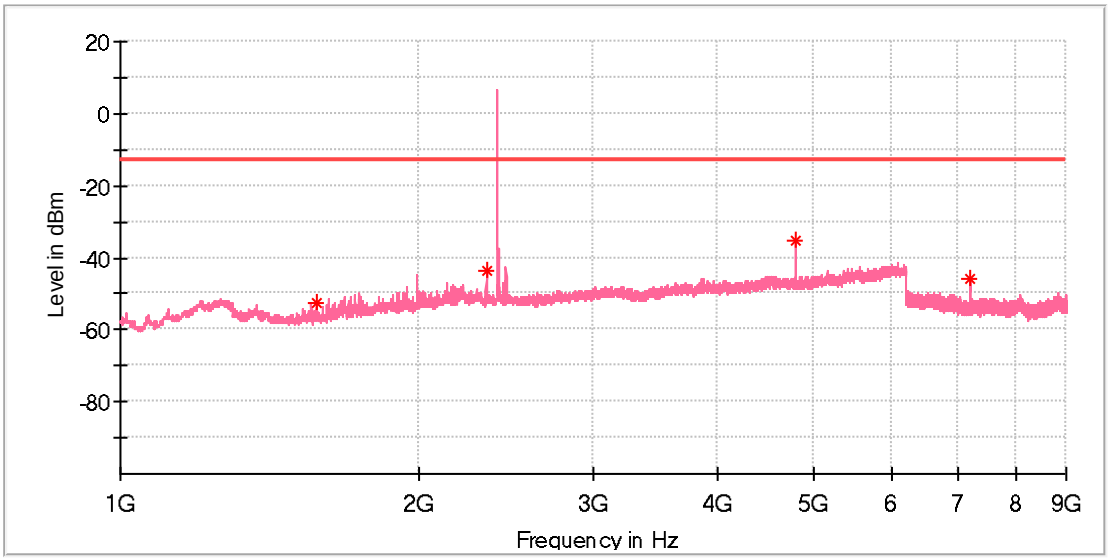
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1399.500000	-48.20	---	-13.00	35.20	100.0	V	267.0	-92.8
2099.000000	-44.21	---	-13.00	31.21	100.0	V	9.0	-88.6
4803.500000	-34.63	---	-13.00	21.63	100.0	V	98.0	-84.0
7205.083333	-48.44	---	-13.00	35.44	100.0	V	94.0	-87.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



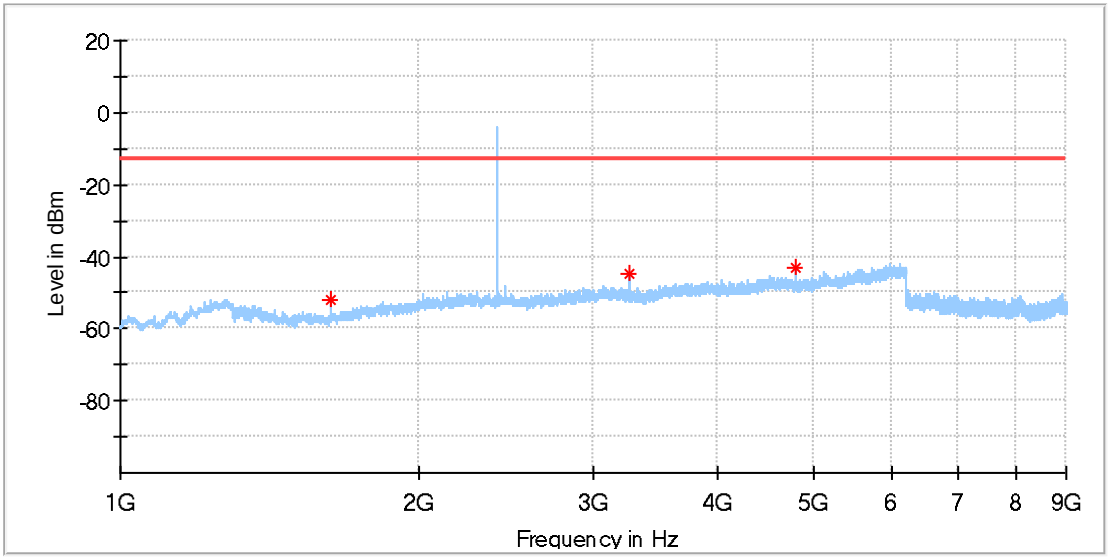
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1559.000000	-55.20	---	-13.00	42.20	100.0	H	129.0	-92.9
2339.500000	-44.73	---	-13.00	31.73	100.0	H	102.0	-87.6
4804.000000	-44.96	---	-13.00	31.96	100.0	H	197.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



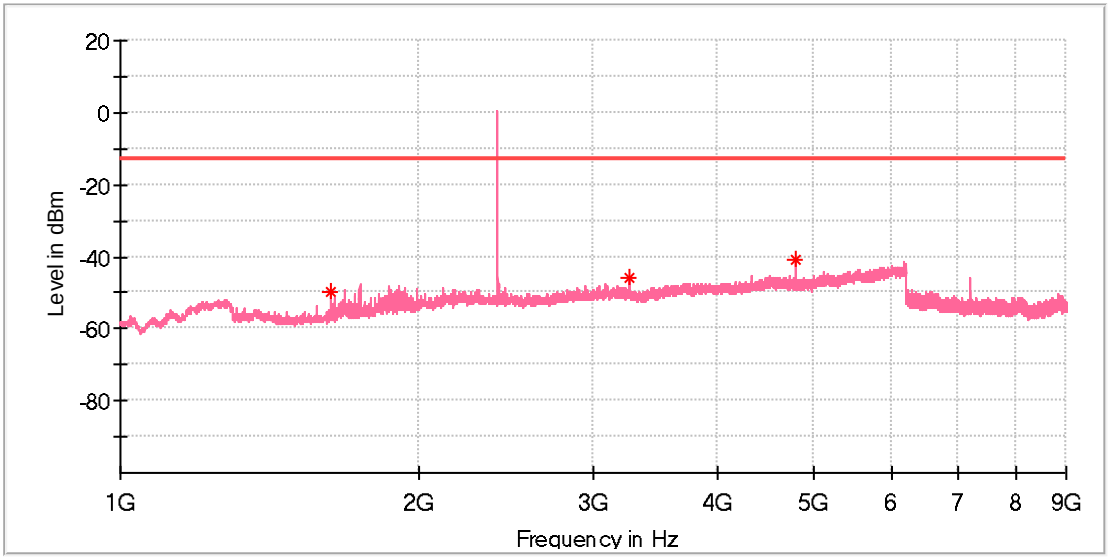
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1576.500000	-52.72	---	-13.00	39.72	100.0	V	71.0	-93.0
2339.500000	-43.65	---	-13.00	30.65	100.0	V	76.0	-87.9
4804.500000	-35.14	---	-13.00	22.14	100.0	V	102.0	-84.0
7206.950000	-45.96	---	-13.00	32.96	100.0	V	66.0	-87.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



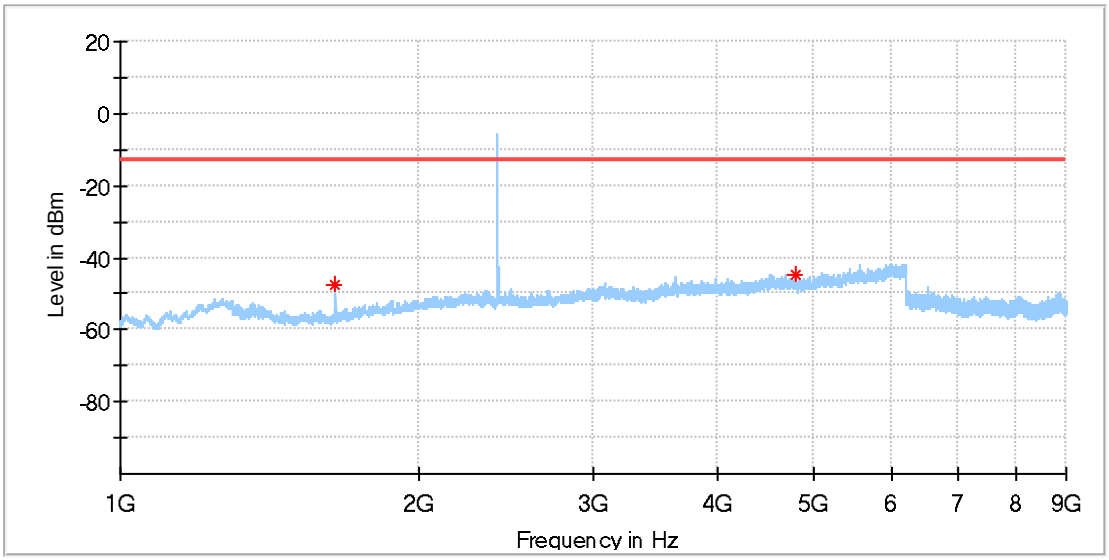
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1628.500000	-51.96	---	-13.00	38.96	100.0	H	25.0	-92.9
3257.000000	-44.87	---	-13.00	31.87	100.0	H	159.0	-87.0
4804.000000	-43.28	---	-13.00	30.28	100.0	H	355.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



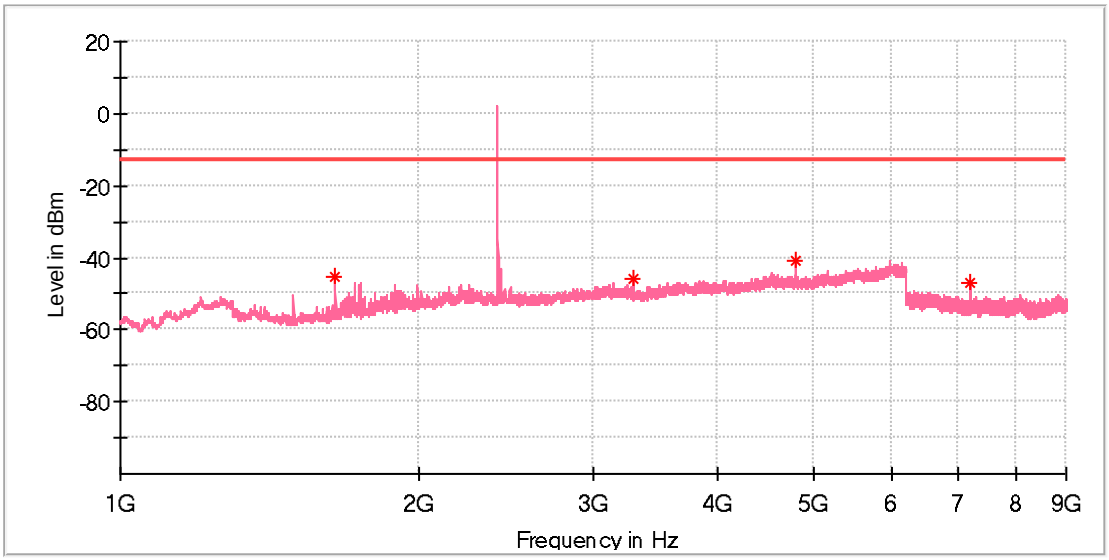
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1628.000000	-49.53	---	-13.00	36.53	100.0	V	258.0	-92.6
3257.000000	-45.67	---	-13.00	32.67	100.0	V	354.0	-86.8
4804.000000	-40.86	---	-13.00	27.86	100.0	V	63.0	-84.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1648.500000	-47.26	---	-13.00	34.26	100.0	H	154.0	-92.4
4803.500000	-44.55	---	-13.00	31.55	100.0	H	358.0	-83.9

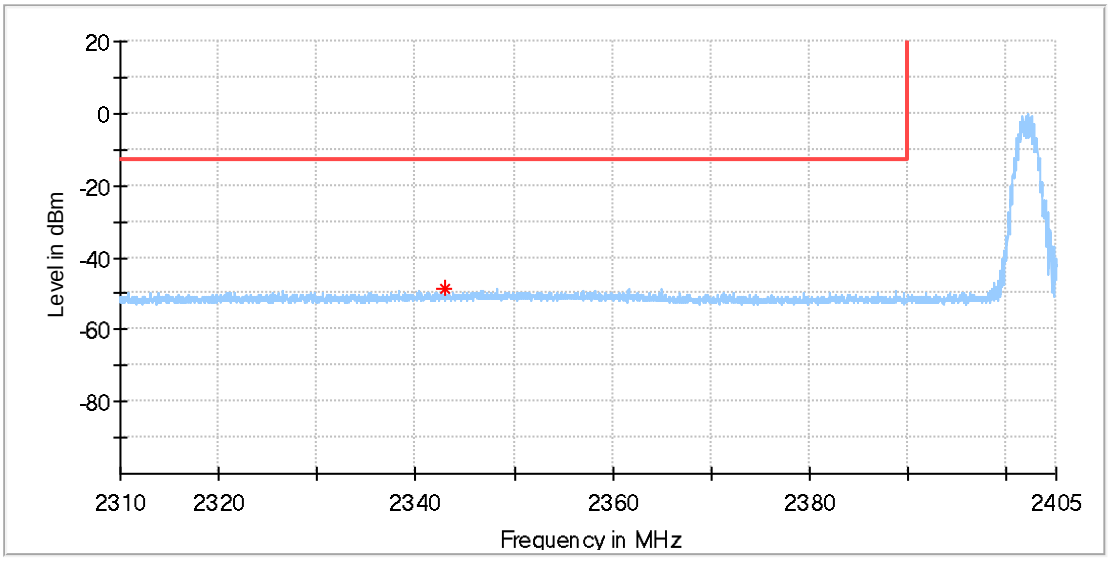
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1648.000000	-45.34	---	-13.00	32.34	100.0	V	11.0	-92.4
3297.500000	-45.94	---	-13.00	32.94	100.0	V	30.0	-87.3
4804.500000	-40.77	---	-13.00	27.77	100.0	V	107.0	-84.0
7205.316667	-46.84	---	-13.00	33.84	100.0	V	116.0	-87.3

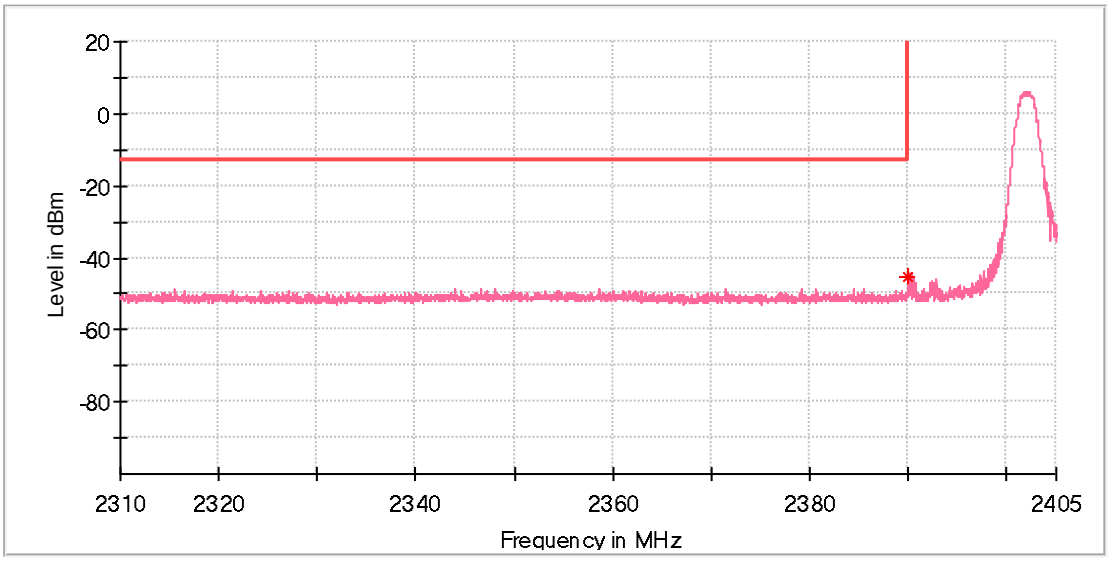
1.6 Bluetooth with eMTC, bandedge

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2342.893750	-48.40	---	-13.00	35.40	100.0	H	103.0	-87.6

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 2 20M QPSK 1RB CH18900
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



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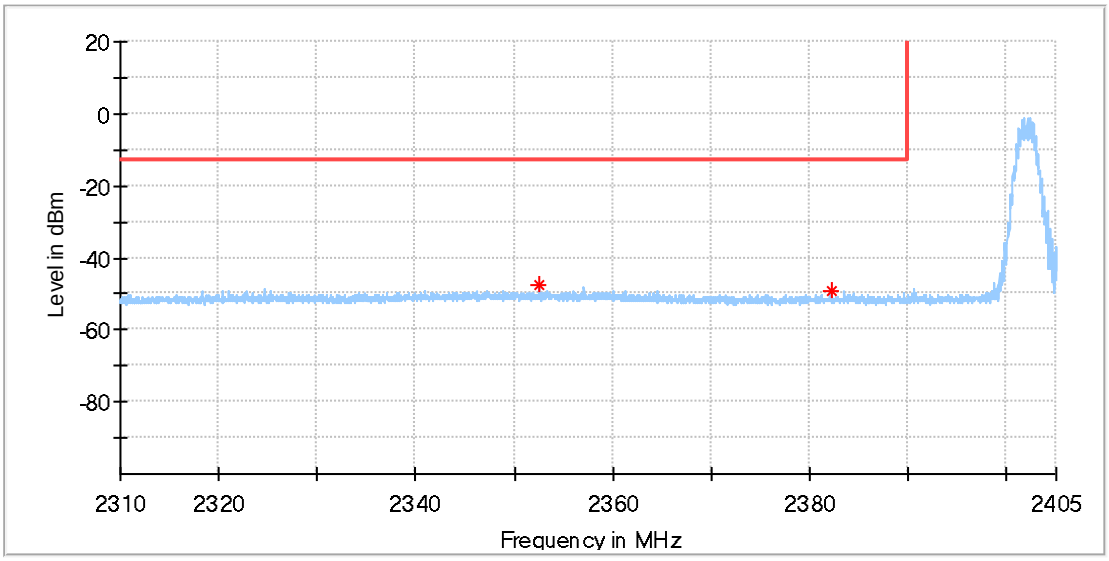
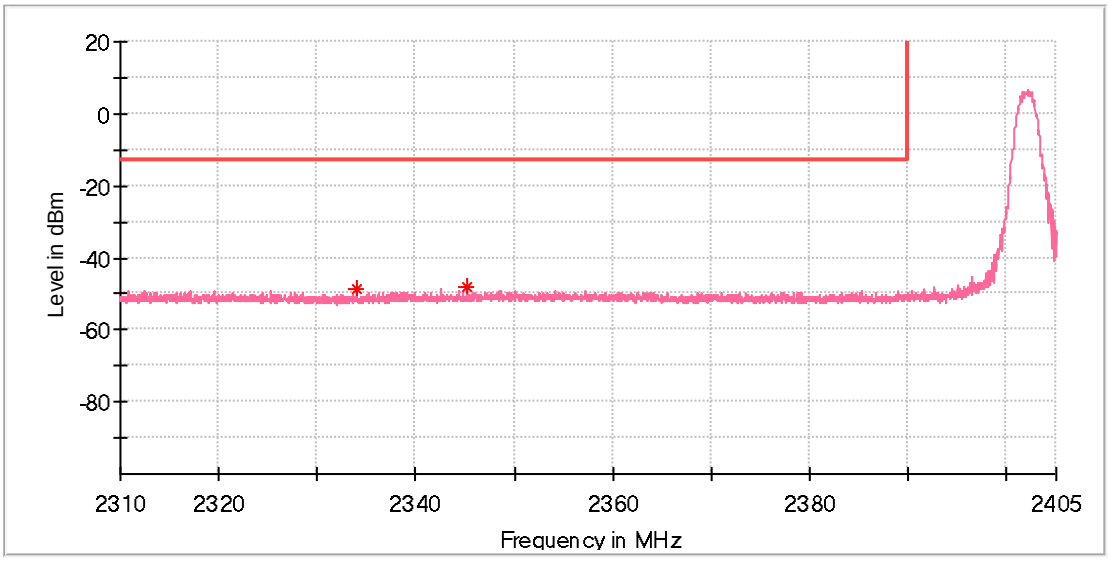
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2389.990000	-45.14	---	-13.00	32.14	100.0	V	133.0	-88.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



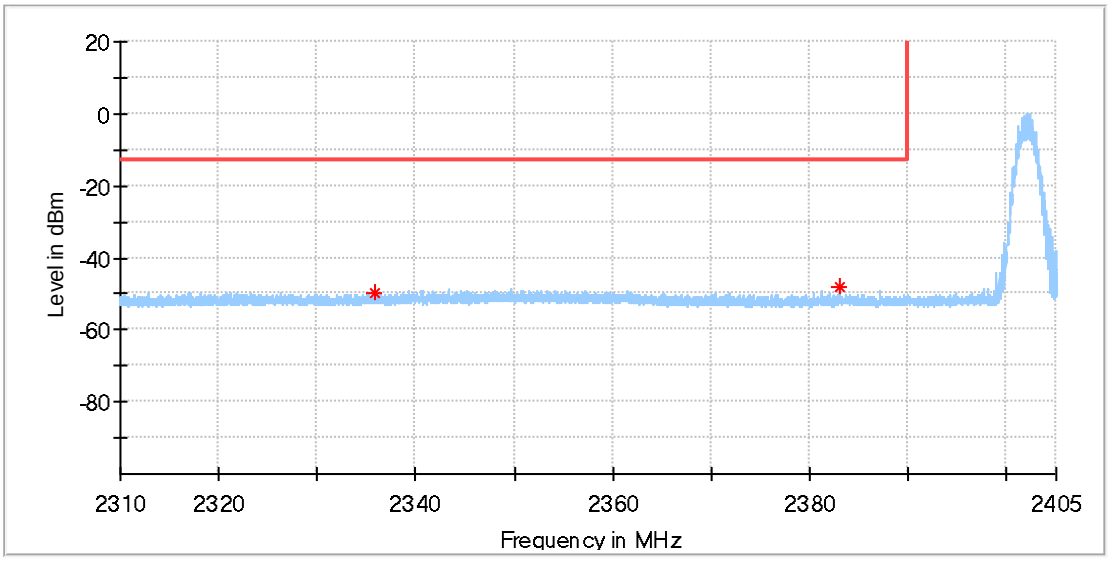
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2352.583750	-47.72	---	-13.00	34.72	100.0	H	304.0	-87.4
2382.200000	-49.22	---	-13.00	36.22	100.0	H	11.0	-88.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 4 5M QPSK 1RB CH20375
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



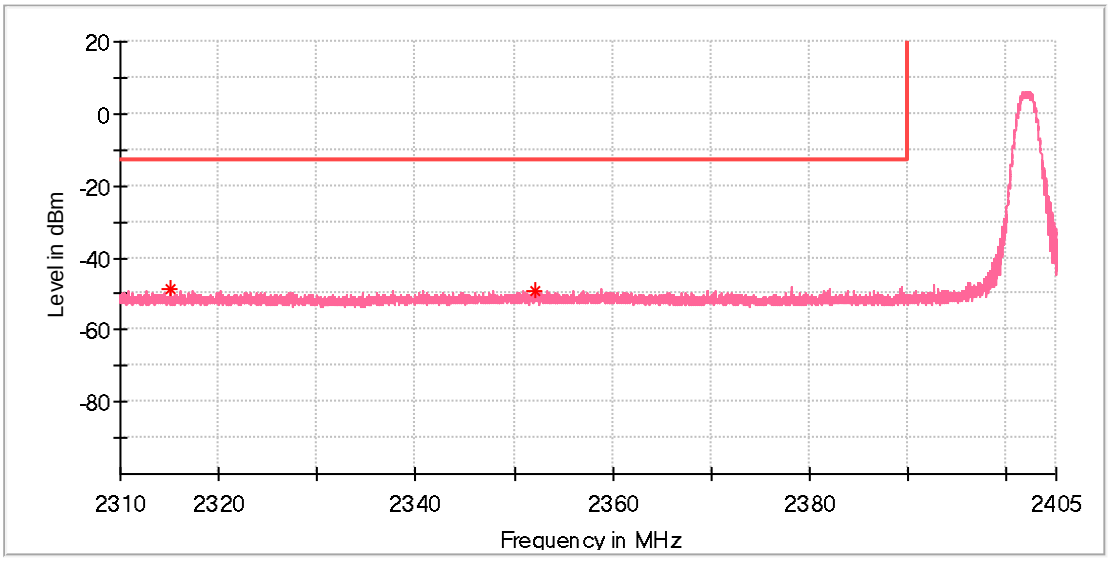
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2333.963750	-48.62	---	-13.00	35.62	100.0	V	28.0	-88.0
2345.150000	-48.07	---	-13.00	35.07	100.0	V	155.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



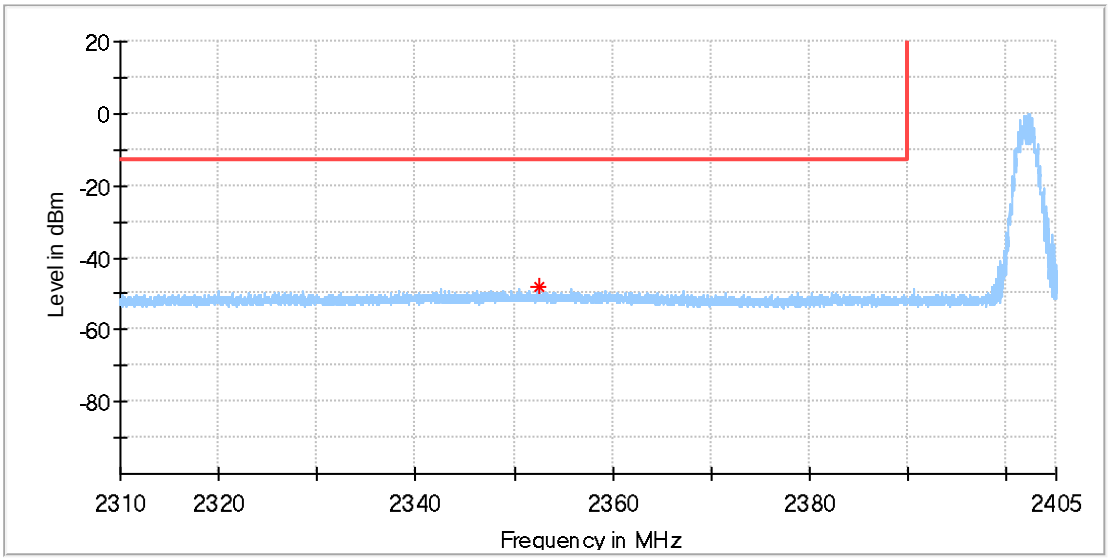
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2335.824490	-49.55	---	-13.00	36.55	100.0	H	214.0	-87.7
2382.956123	-48.07	---	-13.00	35.07	100.0	H	199.0	-88.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 5 5M QPSK 1RB CH20625
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



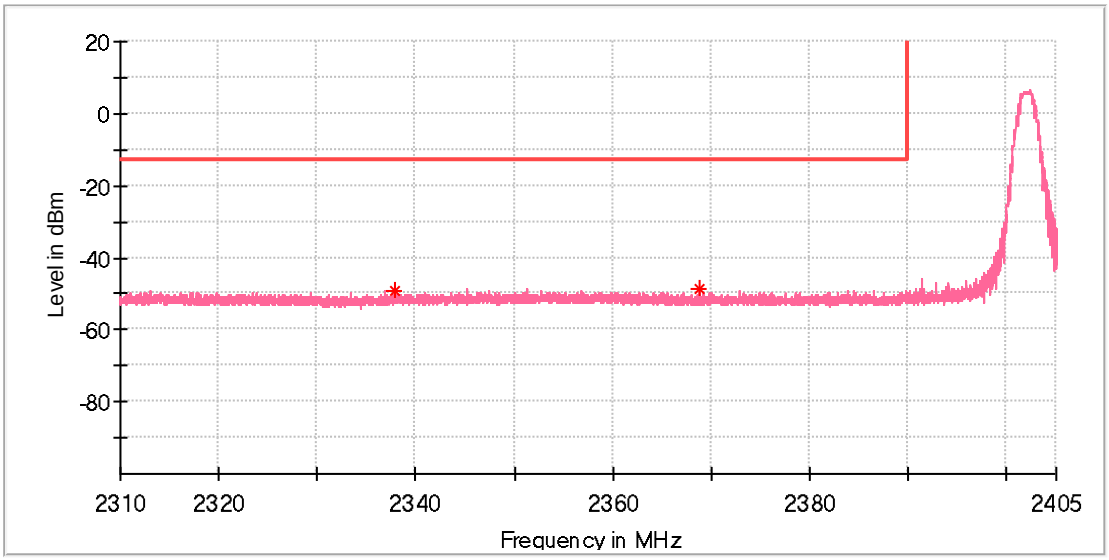
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2315.128061	-48.89	---	-13.00	35.89	100.0	V	109.0	-87.7
2352.207143	-49.00	---	-13.00	36.00	100.0	V	124.0	-87.7

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



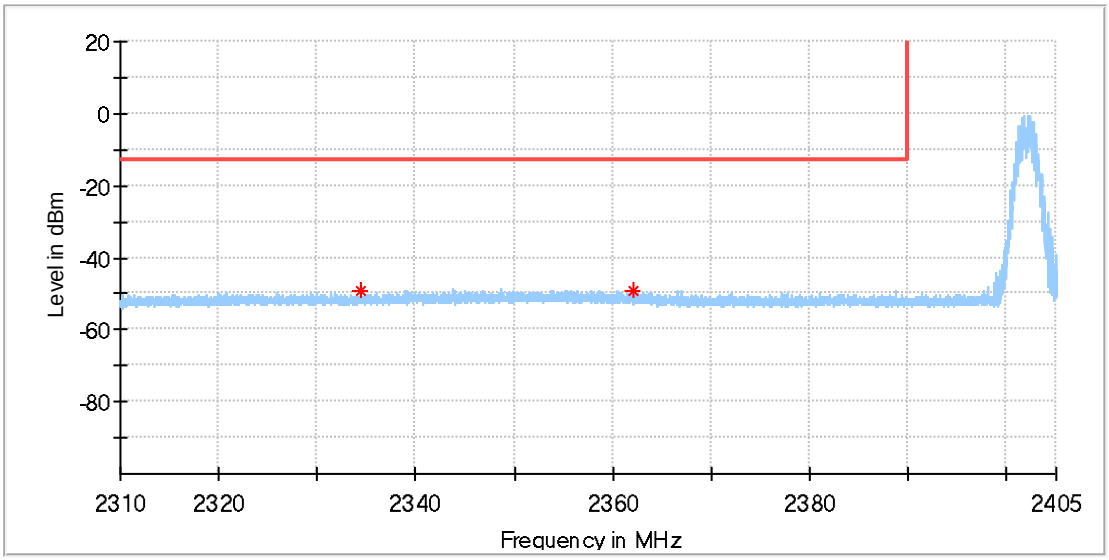
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2352.536735	-48.22	---	-13.00	35.22	100.0	H	24.0	-87.4

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 12 10M QPSK 1RB CH23060
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



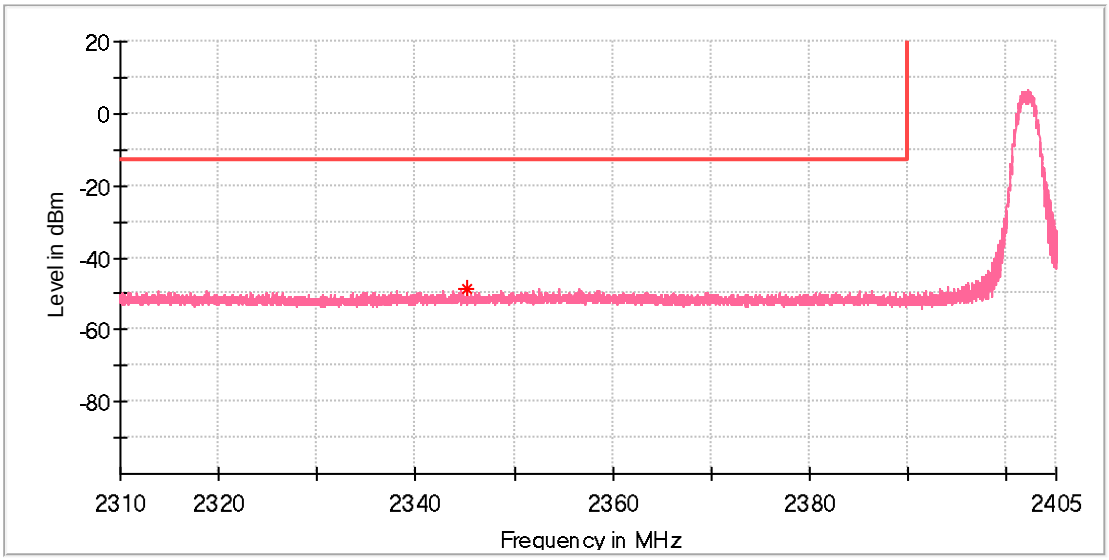
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2337.802041	-49.02	---	-13.00	36.02	100.0	V	126.0	-87.9
2368.822449	-48.68	---	-13.00	35.68	100.0	V	141.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



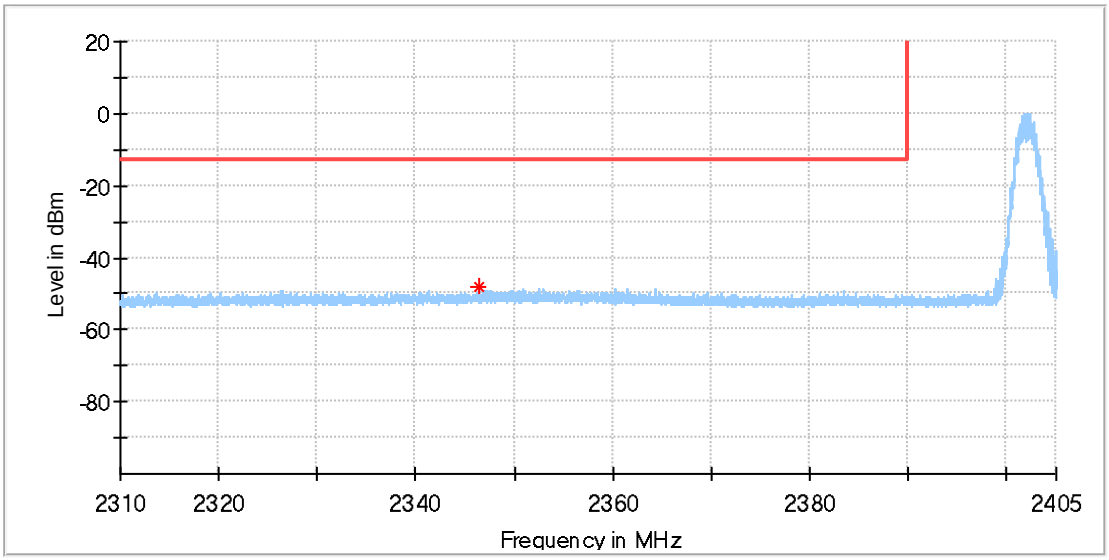
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2334.477041	-49.49	---	-13.00	36.49	100.0	H	235.0	-87.7
2361.978572	-49.02	---	-13.00	36.02	100.0	H	65.0	-87.7

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 13 10M QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



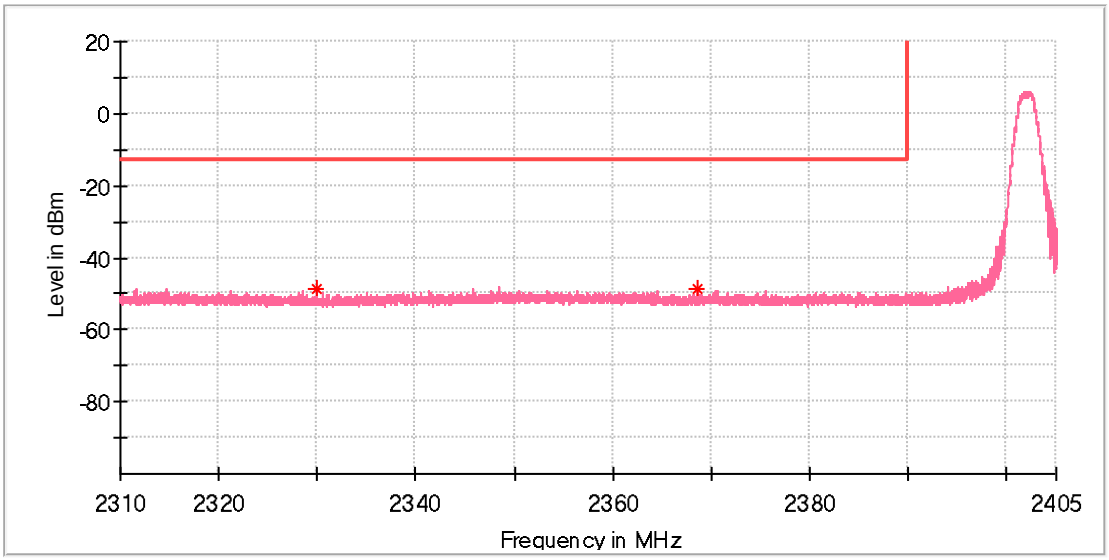
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2345.266327	-48.73	---	-13.00	35.73	100.0	V	0.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



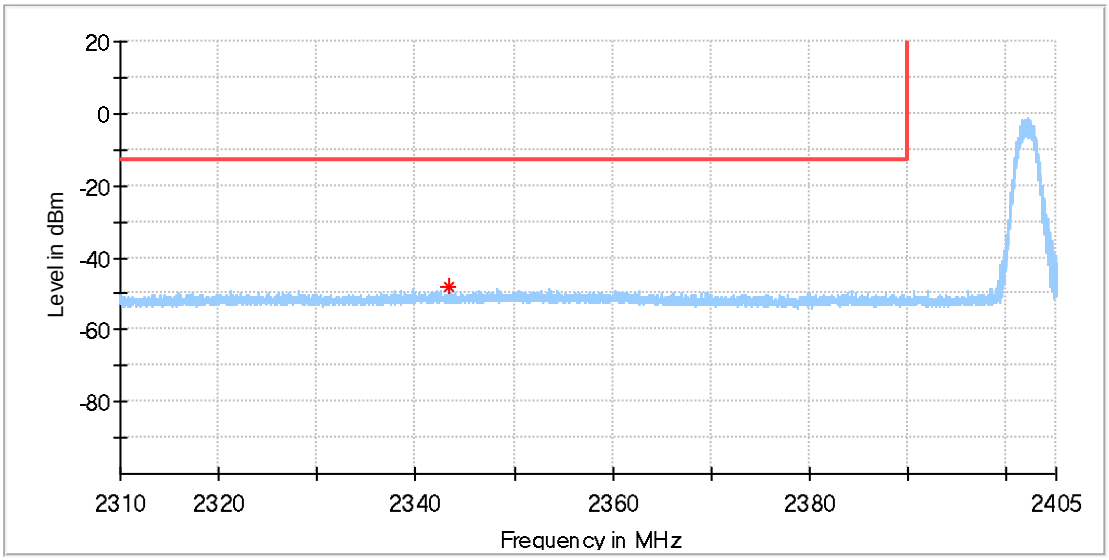
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2346.458674	-48.19	---	-13.00	35.19	100.0	H	341.0	-87.5

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26697
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



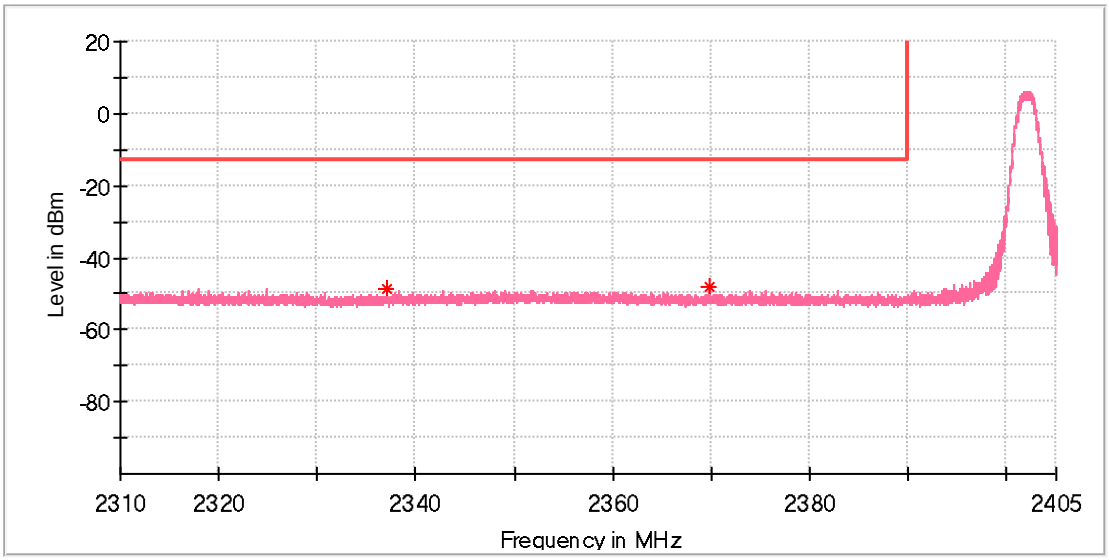
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2329.901531	-48.91	---	-13.00	35.91	100.0	V	227.0	-88.1
2368.502551	-48.57	---	-13.00	35.57	100.0	V	355.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2343.424490	-48.15	---	-13.00	35.15	100.0	H	85.0	-87.6

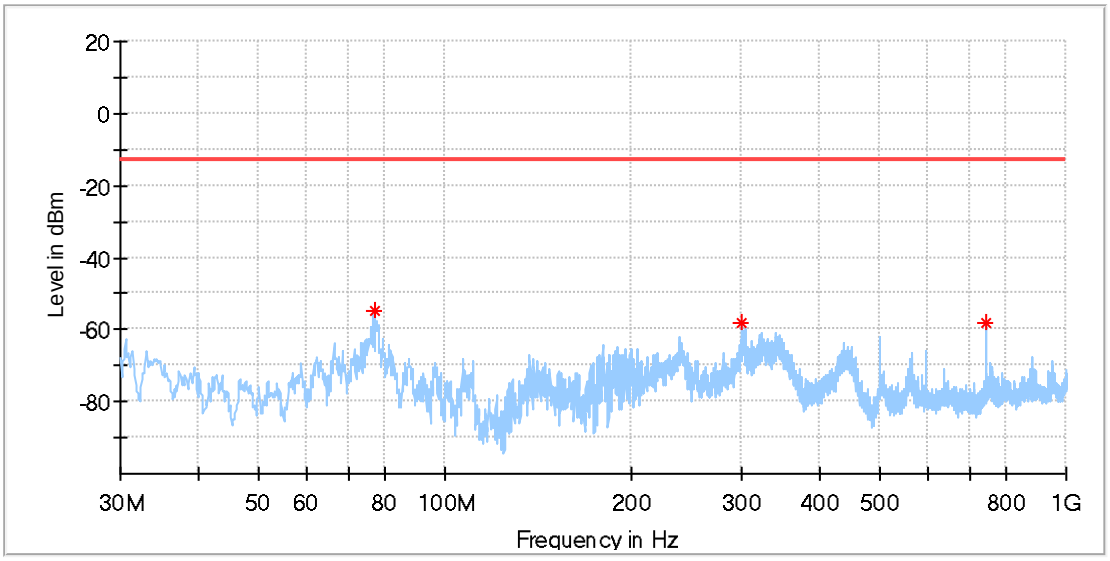
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & eMTC Band 26 1.4M QPSK 1RB CH26797
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2336.968367	-48.84	---	-13.00	35.84	100.0	V	244.0	-87.9
2369.782143	-48.21	---	-13.00	35.21	100.0	V	4.0	-87.8

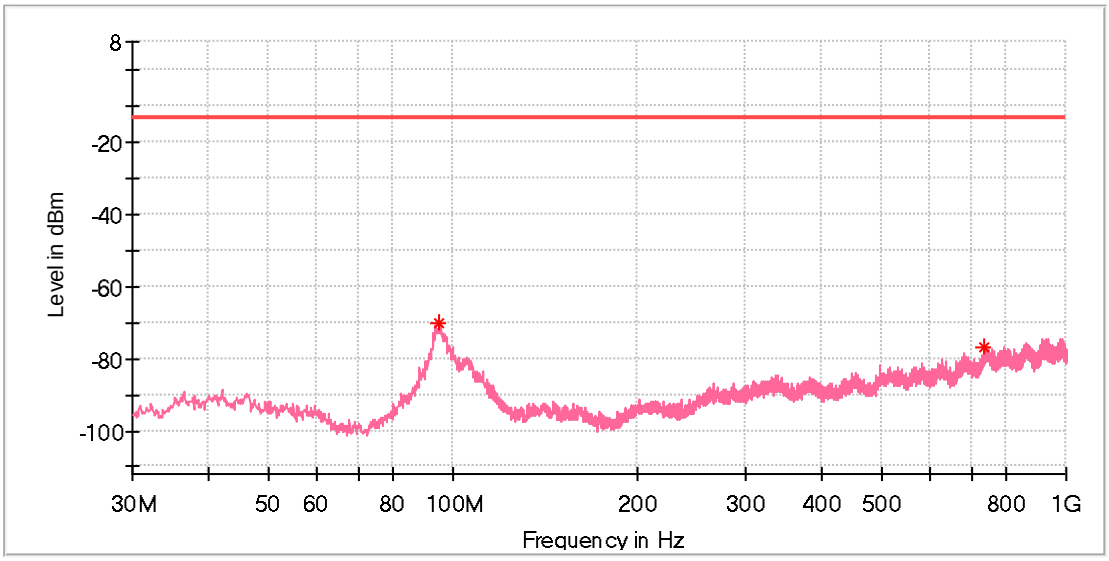
1.7 Bluetooth with NB-IoT, below 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



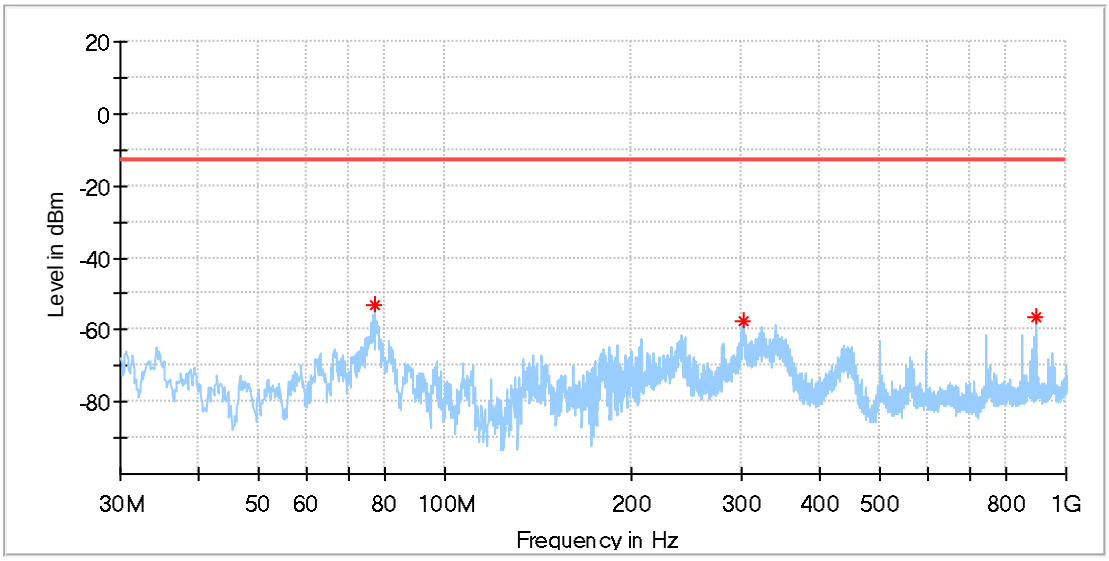
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
77.166250	-54.82	---	-13.00	41.82	100.0	H	50.0	-123.8
301.236250	-57.90	---	-13.00	44.90	100.0	H	349.0	-114.0
742.586250	-58.24	---	-13.00	45.24	100.0	H	5.0	-104.5

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



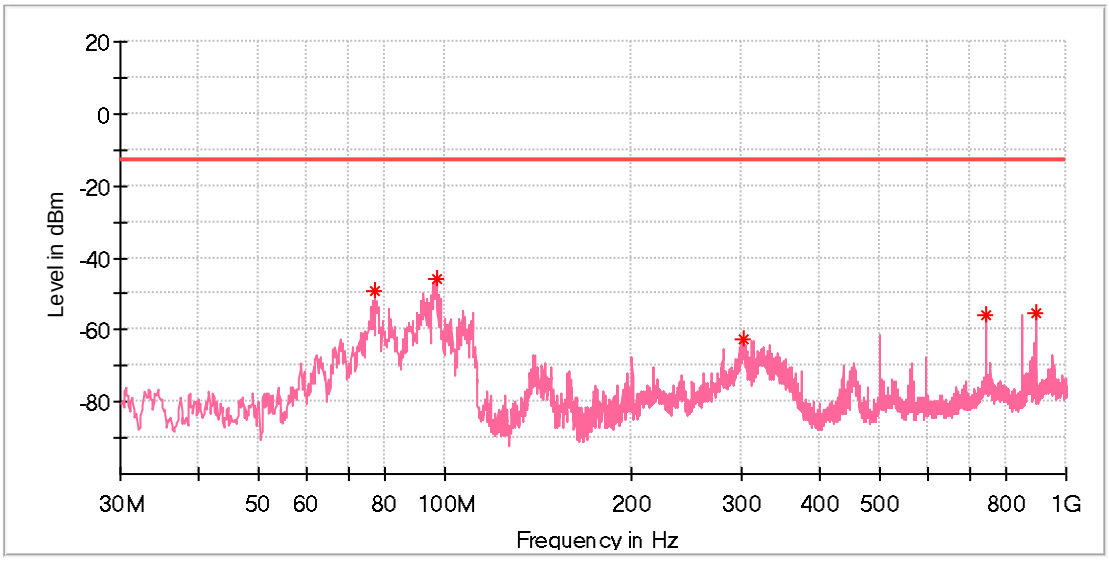
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.747500	-70.02	---	-13.00	57.02	100.0	V	148.0	-99.6
736.766250	-76.60	---	-13.00	63.60	100.0	V	262.0	-102.2

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



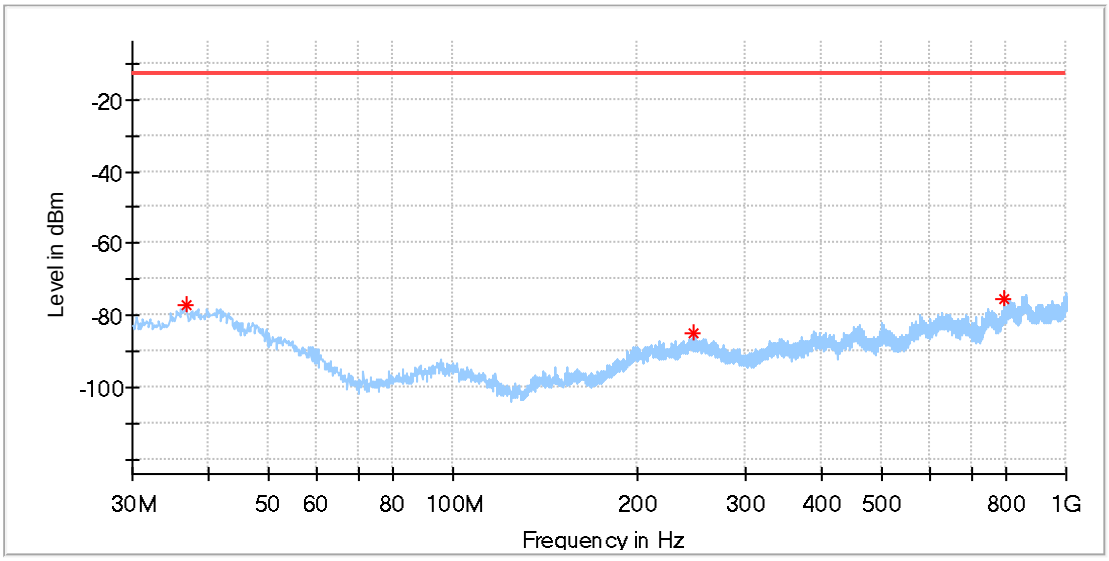
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
77.166250	-53.36	---	-13.00	40.36	100.0	H	75.0	-123.8
302.570000	-57.81	---	-13.00	44.81	100.0	H	353.0	-114.2
893.906250	-56.42	---	-13.00	43.42	100.0	H	323.0	-102.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



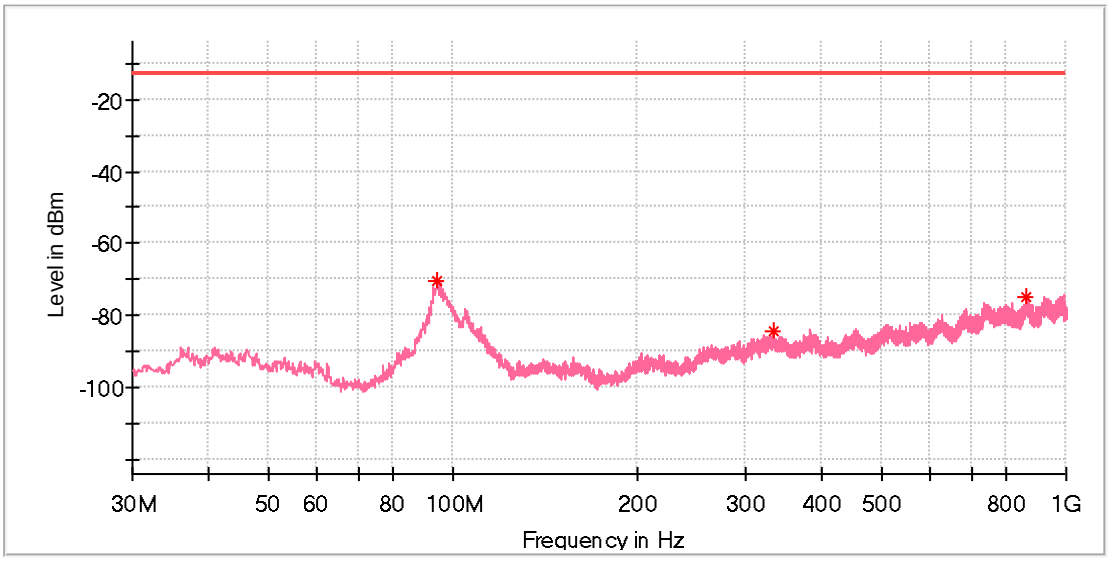
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
77.166250	-49.25	---	-13.00	36.25	100.0	V	89.0	-122.0
96.687500	-46.12	---	-13.00	33.12	100.0	V	6.0	-101.7
301.357500	-62.69	---	-13.00	49.69	100.0	V	327.0	-111.1
742.586250	-56.17	---	-13.00	43.17	100.0	V	327.0	-102.0
893.906250	-55.23	---	-13.00	42.23	100.0	V	248.0	-102.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



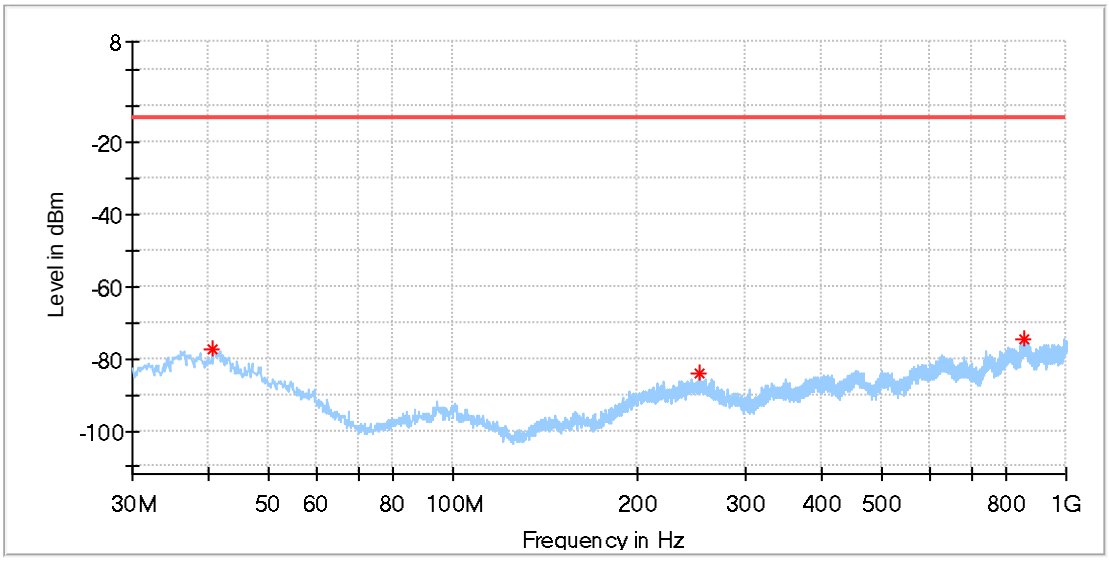
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.668750	-77.25	---	-13.00	64.25	100.0	H	307.0	-113.2
246.673750	-84.92	---	-13.00	71.92	100.0	H	189.0	-110.0
791.207500	-75.31	---	-13.00	62.31	100.0	H	353.0	-103.5

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



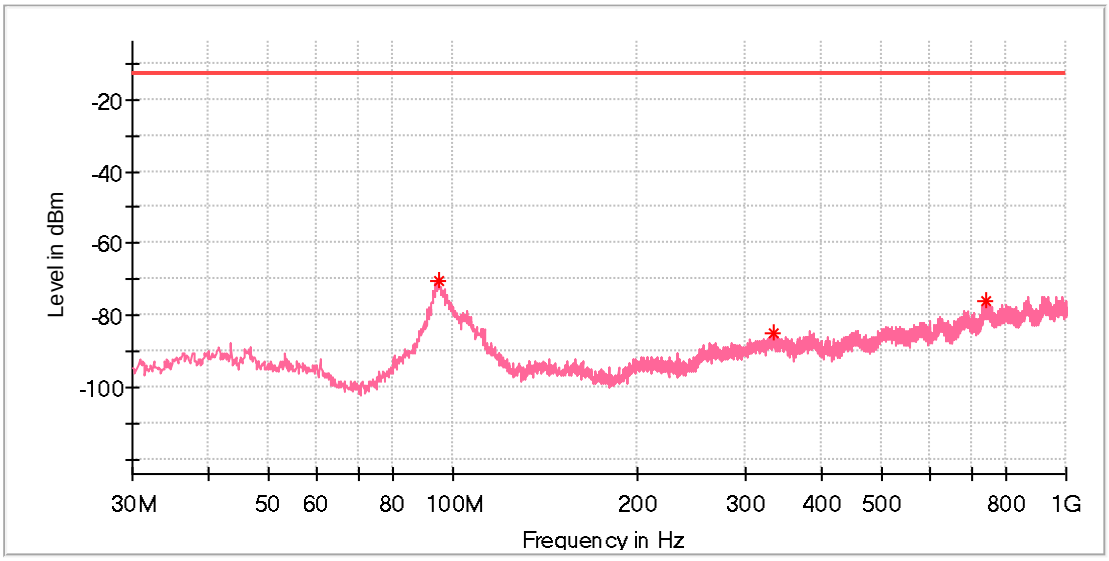
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.383750	-70.38	---	-13.00	57.38	100.0	V	115.0	-99.6
333.610000	-84.20	---	-13.00	71.20	100.0	V	141.0	-111.8
859.592500	-75.13	---	-13.00	62.13	100.0	V	97.0	-101.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



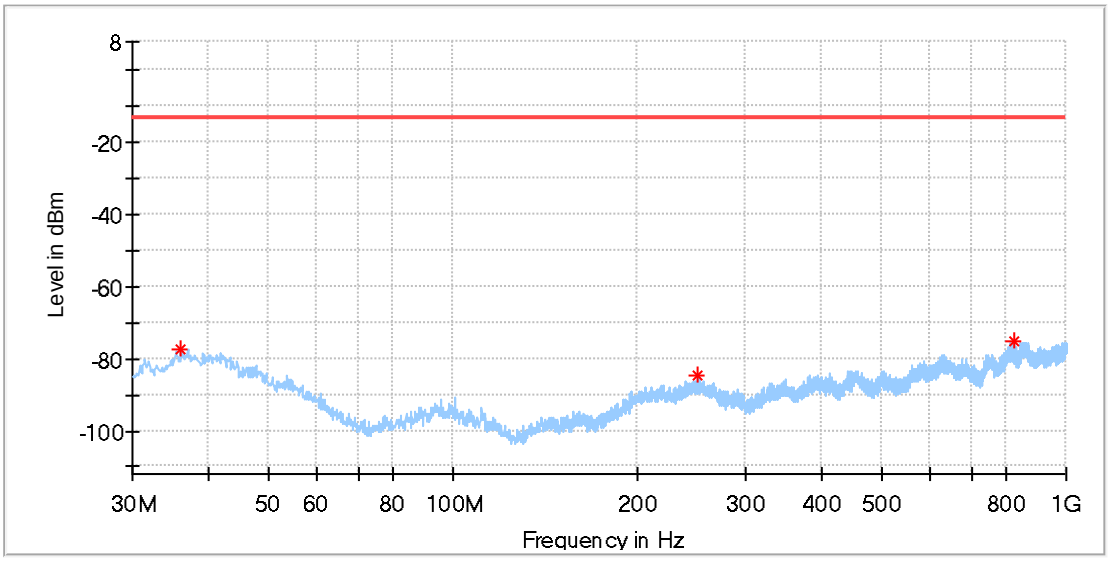
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.670000	-77.26	---	-13.00	64.26	100.0	H	3.0	-112.6
252.130000	-84.34	---	-13.00	71.34	100.0	H	311.0	-110.4
854.863750	-74.37	---	-13.00	61.37	100.0	H	7.0	-100.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



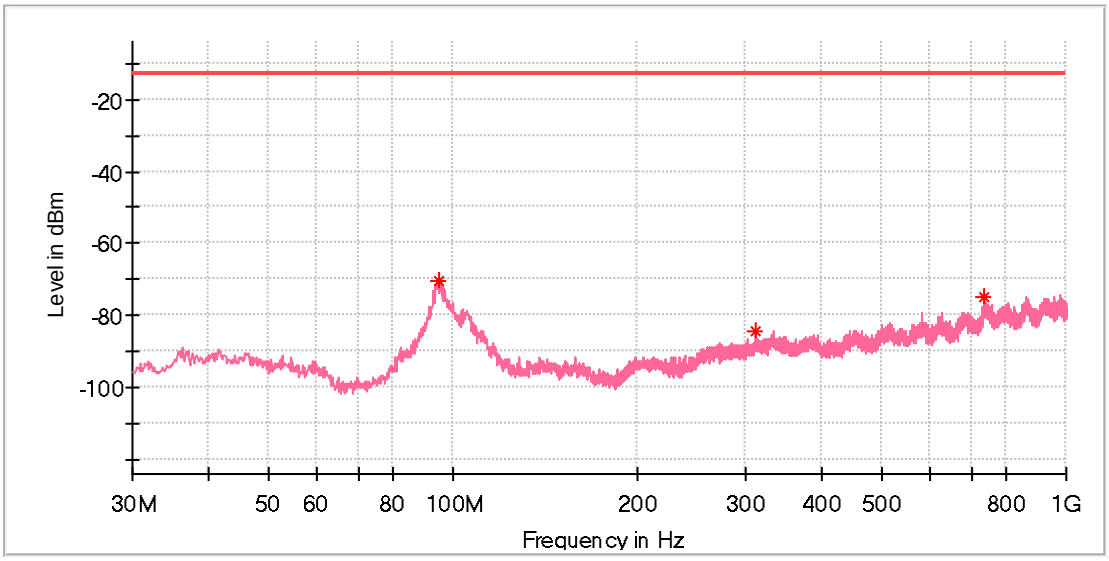
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.747500	-70.66	---	-13.00	57.66	100.0	V	153.0	-99.6
333.610000	-85.20	---	-13.00	72.20	100.0	V	207.0	-111.8
740.161250	-76.06	---	-13.00	63.06	100.0	V	251.0	-102.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



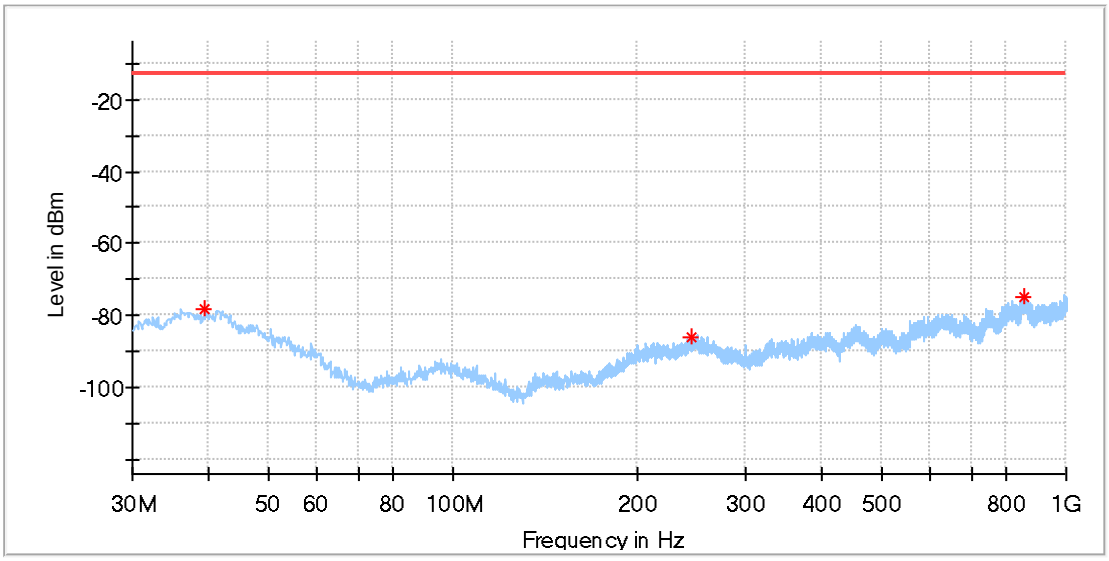
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.941250	-77.25	---	-13.00	64.25	100.0	H	0.0	-113.4
251.281250	-84.75	---	-13.00	71.75	100.0	H	235.0	-110.3
822.005000	-75.21	---	-13.00	62.21	100.0	H	67.0	-101.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



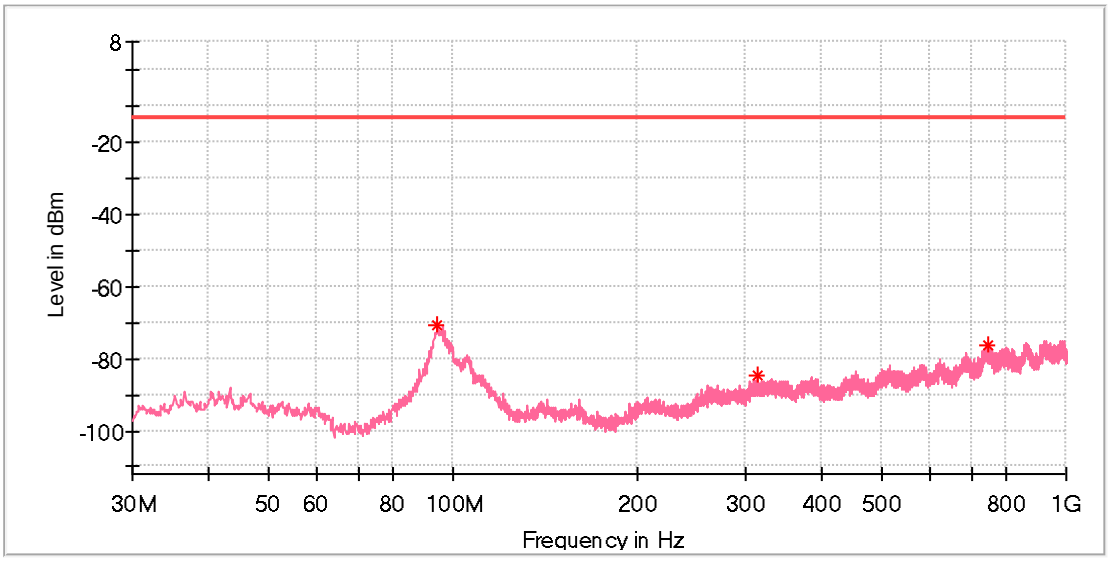
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.990000	-70.14	---	-13.00	57.14	100.0	V	72.0	-99.6
312.027500	-84.20	---	-13.00	71.20	100.0	V	137.0	-111.3
736.645000	-74.88	---	-13.00	61.88	100.0	V	110.0	-102.3

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.457500	-78.10	---	-13.00	65.10	100.0	H	289.0	-113.9
244.976250	-85.84	---	-13.00	72.84	100.0	H	300.0	-110.0
857.046250	-74.95	---	-13.00	61.95	100.0	H	0.0	-100.4

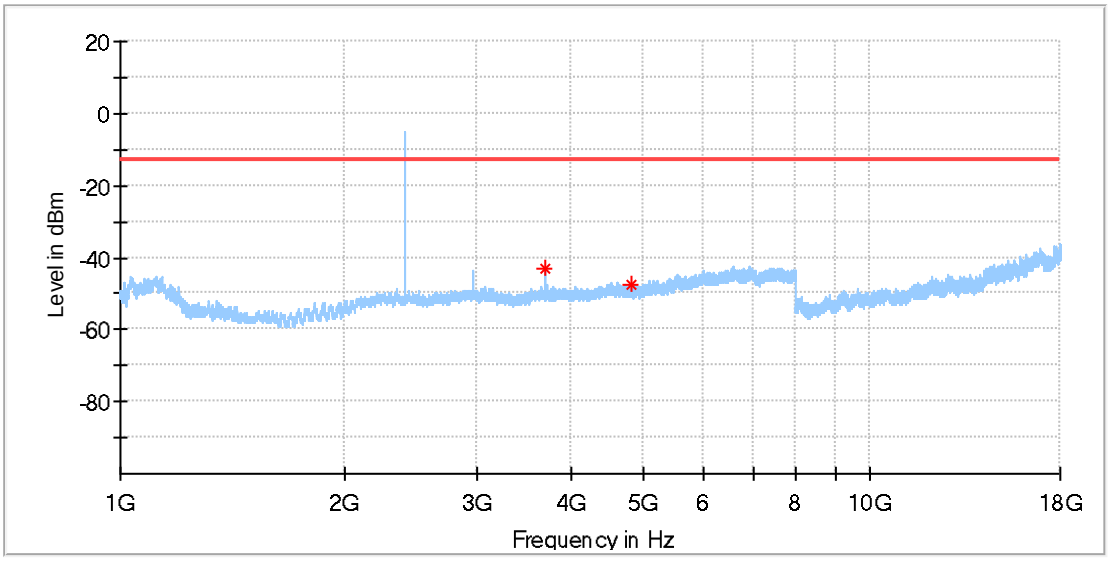
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.505000	-70.93	---	-13.00	57.93	100.0	V	217.0	-99.6
313.482500	-84.82	---	-13.00	71.82	100.0	V	162.0	-111.3
743.313750	-76.12	---	-13.00	63.12	100.0	V	263.0	-102.1

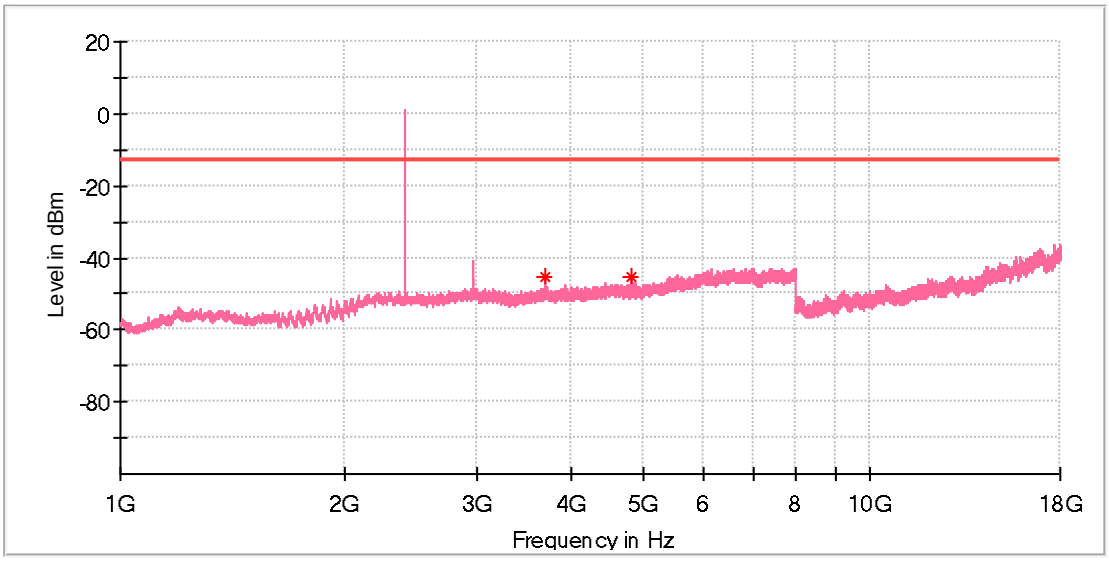
1.8 Bluetooth with NB-IoT, above 1GHz

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



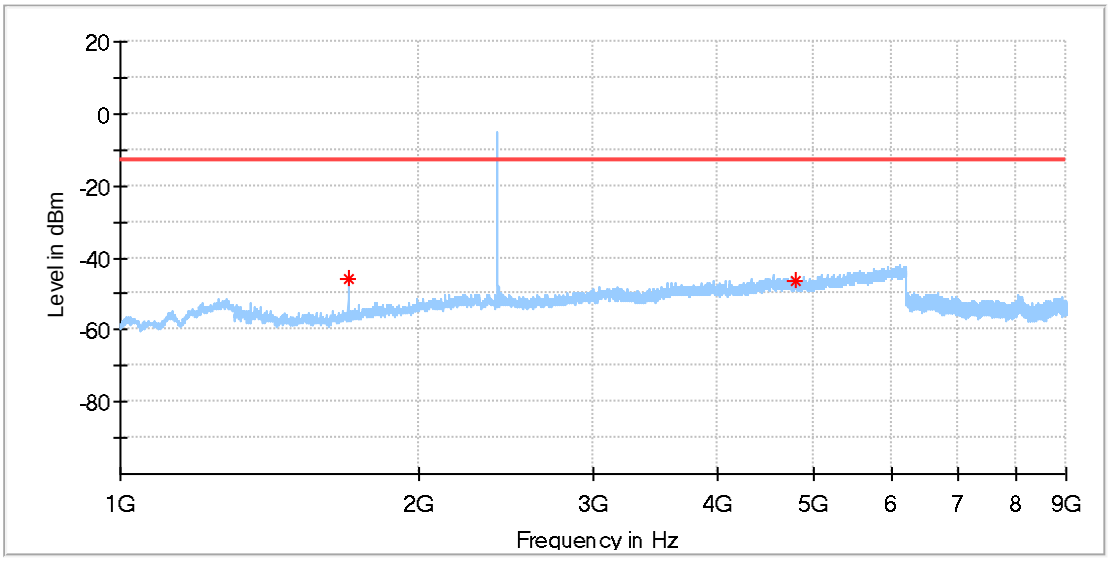
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3700.000000	-42.90	---	-13.00	29.90	100.0	H	136.0	-86.7
4803.000000	-47.34	---	-13.00	34.34	100.0	H	192.0	-85.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



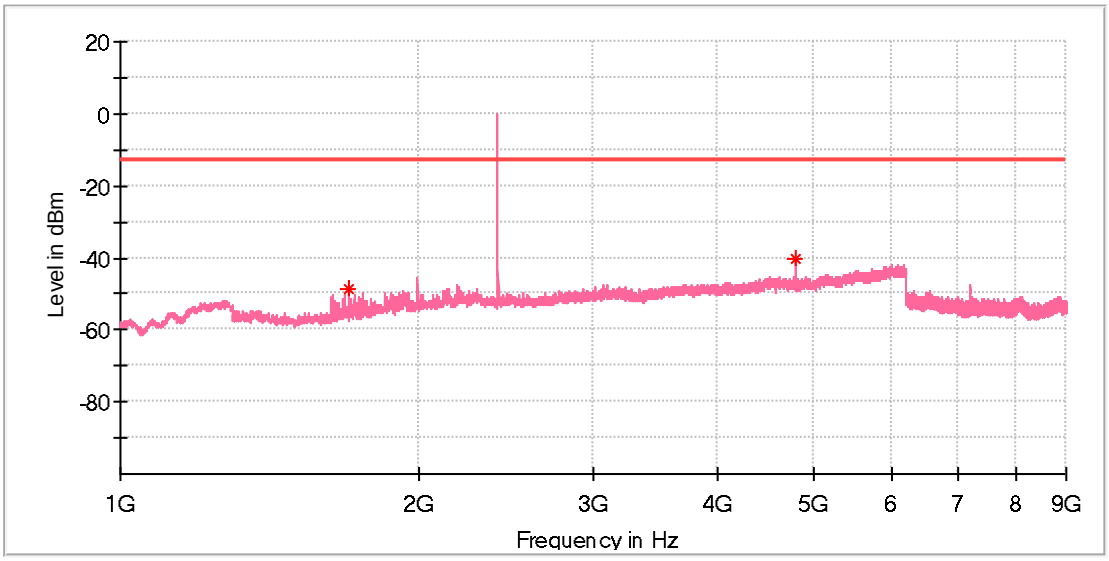
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3700.000000	-45.49	---	-13.00	32.49	100.0	V	192.0	-86.7
4803.000000	-45.30	---	-13.00	32.30	100.0	V	128.0	-85.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



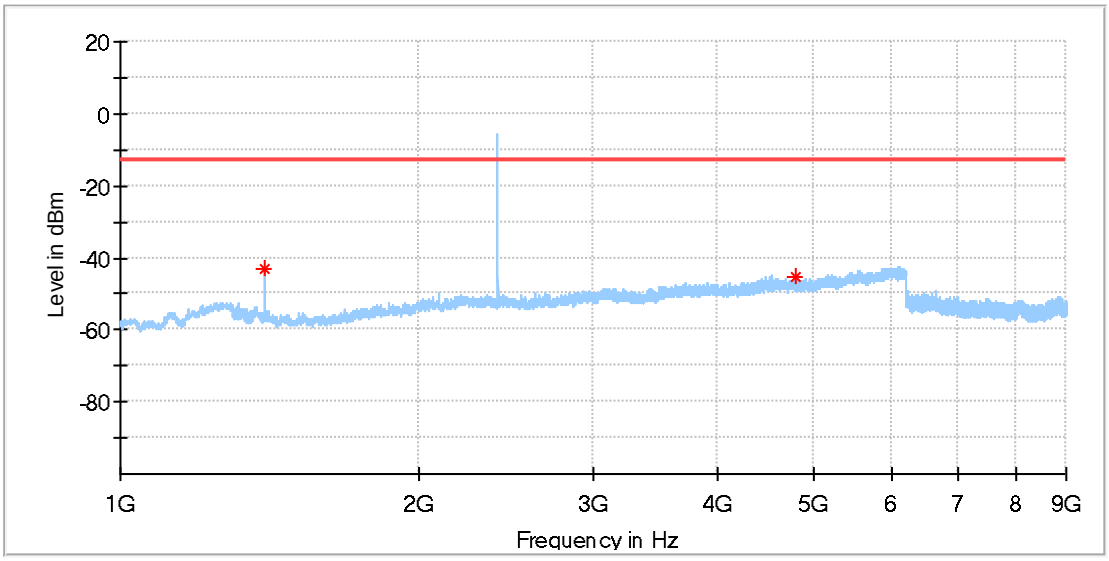
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.500000	-45.72	---	-13.00	32.72	100.0	H	39.0	-92.4
4804.500000	-46.19	---	-13.00	33.19	100.0	H	6.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



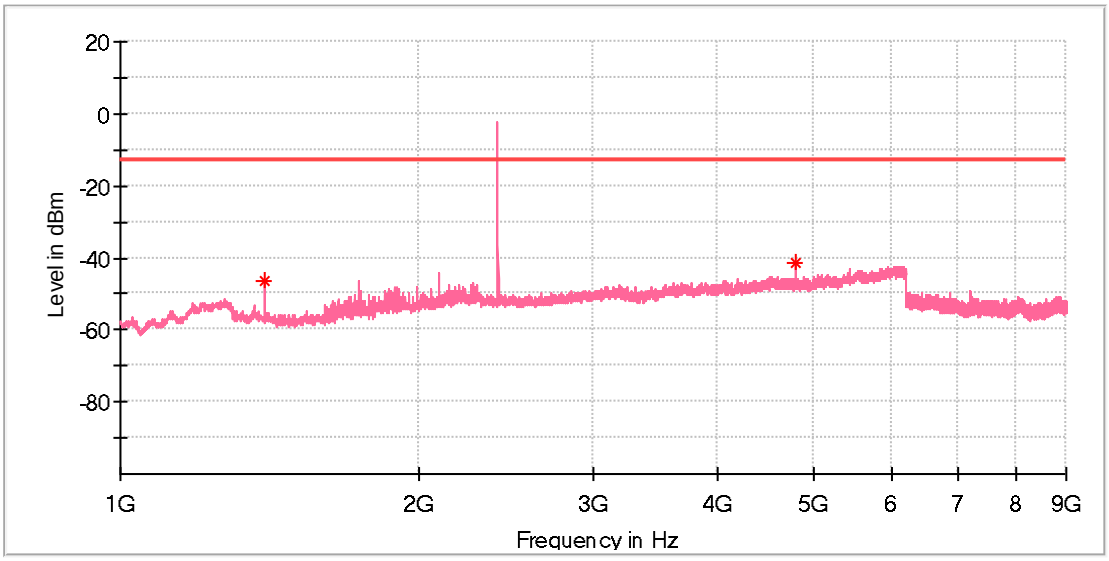
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.000000	-48.42	---	-13.00	35.42	100.0	V	5.0	-92.1
4804.500000	-40.17	---	-13.00	27.17	100.0	V	243.0	-84.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



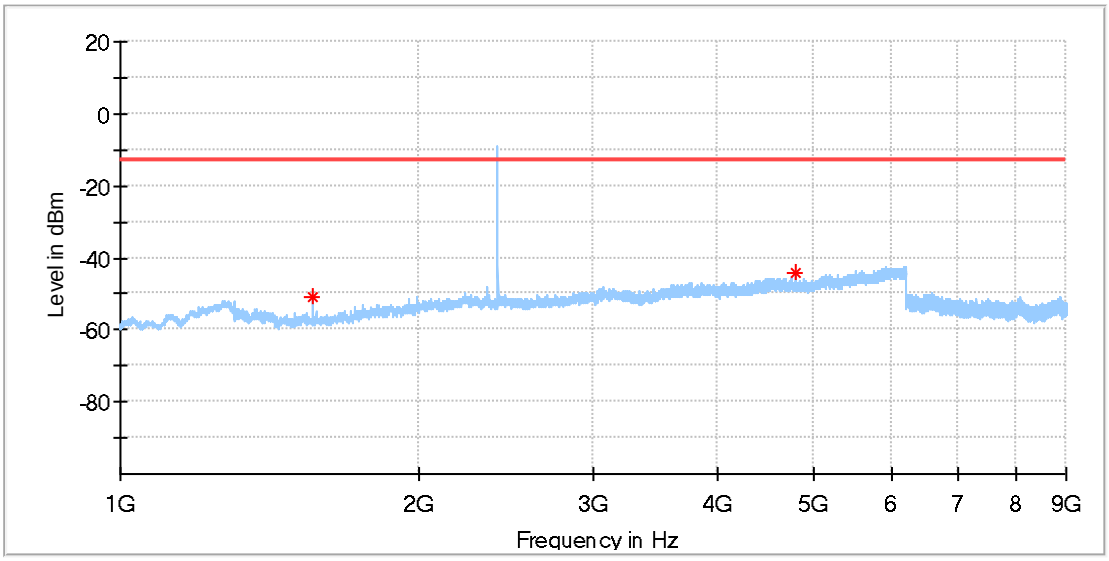
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1398.000000	-42.90	---	-13.00	29.90	100.0	H	46.0	-93.0
4804.000000	-45.37	---	-13.00	32.37	100.0	H	190.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



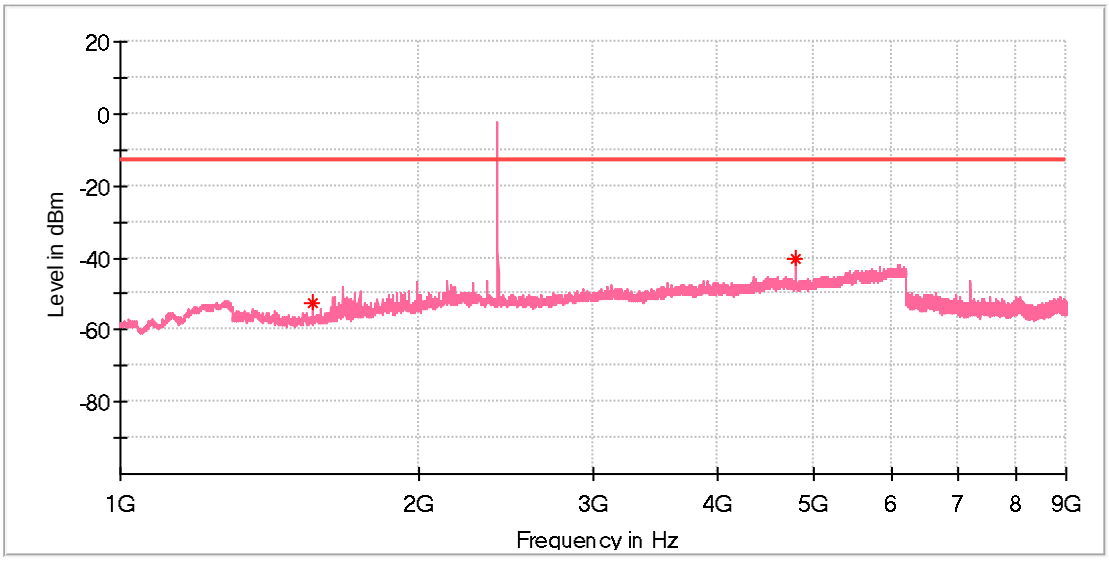
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1398.000000	-46.61	---	-13.00	33.61	100.0	V	234.0	-92.9
4804.500000	-41.24	---	-13.00	28.24	100.0	V	251.0	-84.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



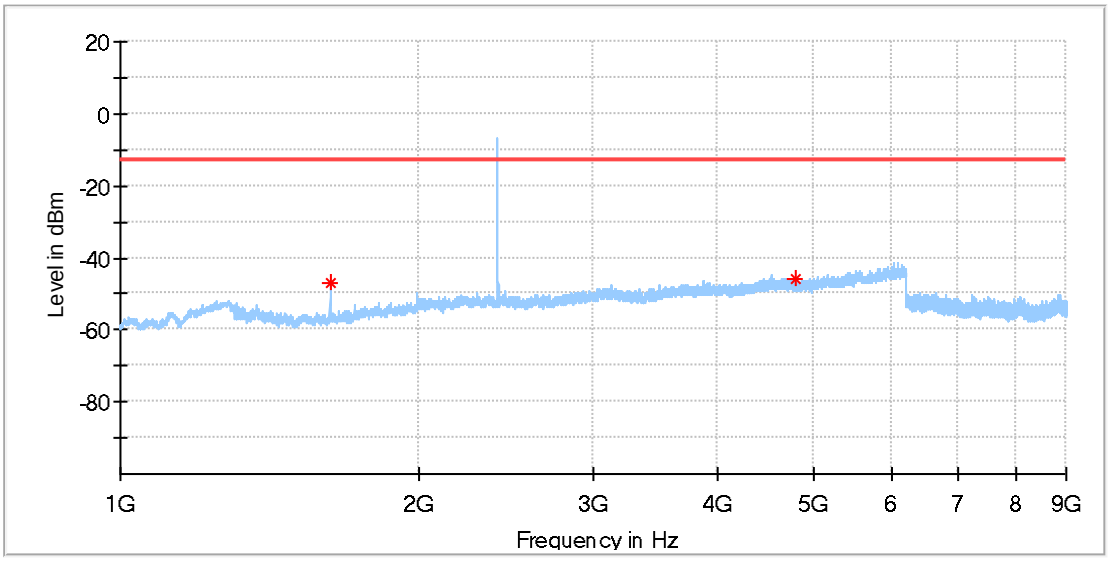
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1563.500000	-50.62	---	-13.00	37.62	100.0	H	19.0	-93.0
4804.000000	-43.92	---	-13.00	30.92	100.0	H	187.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



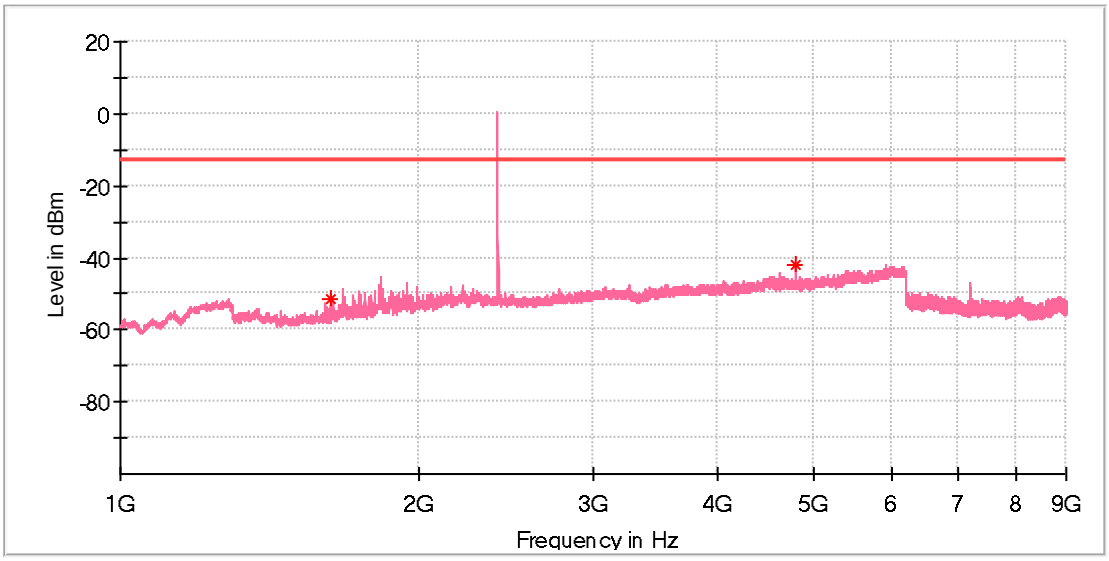
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1564.000000	-52.35	---	-13.00	39.35	100.0	V	344.0	-93.0
4803.500000	-40.27	---	-13.00	27.27	100.0	V	248.0	-84.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



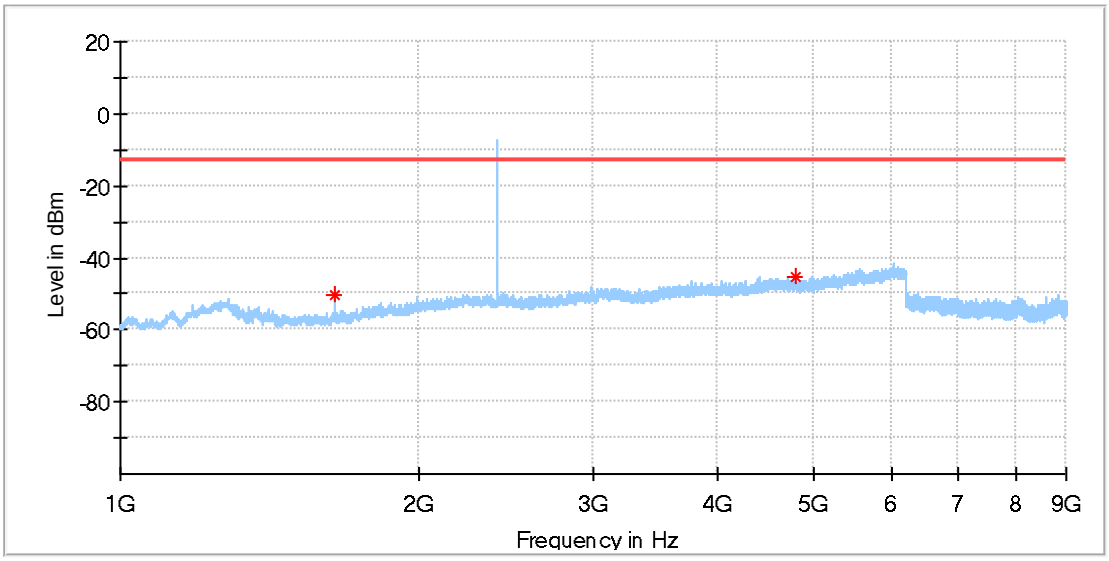
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1628.000000	-46.95	---	-13.00	33.95	100.0	H	36.0	-92.9
4804.000000	-45.85	---	-13.00	32.85	100.0	H	264.0	-83.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



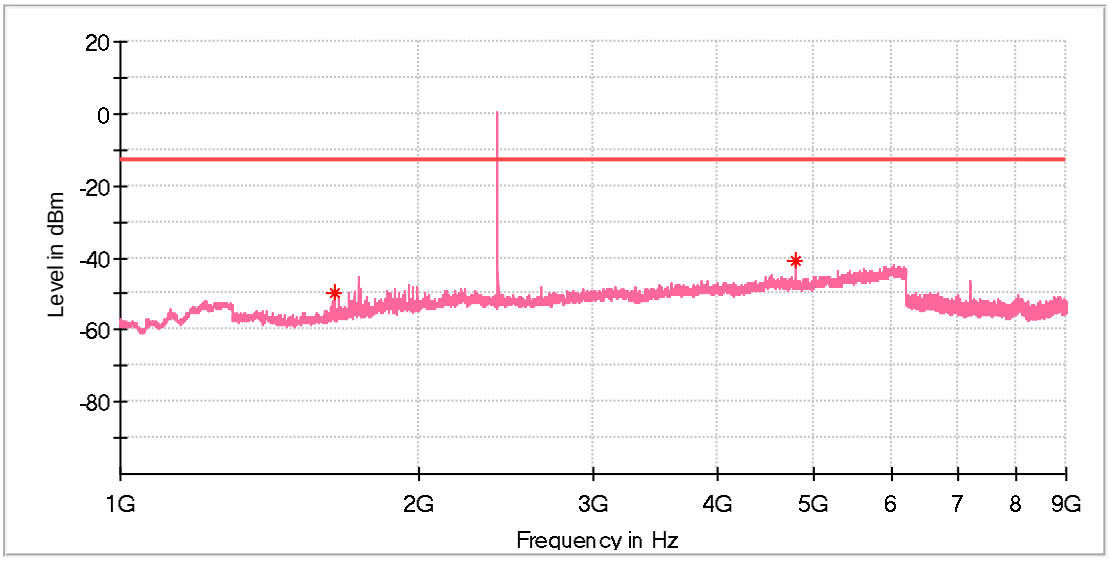
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1627.500000	-51.64	---	-13.00	38.64	100.0	V	146.0	-92.6
4804.000000	-41.97	---	-13.00	28.97	100.0	V	63.0	-84.0

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1647.500000	-50.31	---	-13.00	37.31	100.0	H	222.0	-92.4
4803.500000	-45.56	---	-13.00	32.56	100.0	H	187.0	-83.9

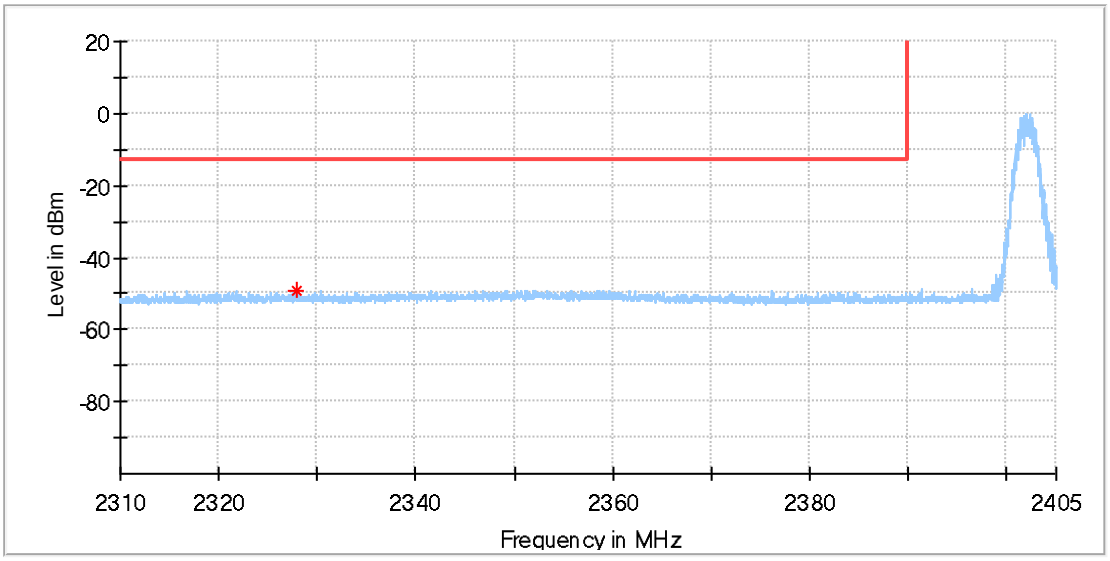
EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1647.500000	-49.66	---	-13.00	36.66	100.0	V	31.0	-92.4
4804.500000	-40.62	---	-13.00	27.62	100.0	V	61.0	-84.0

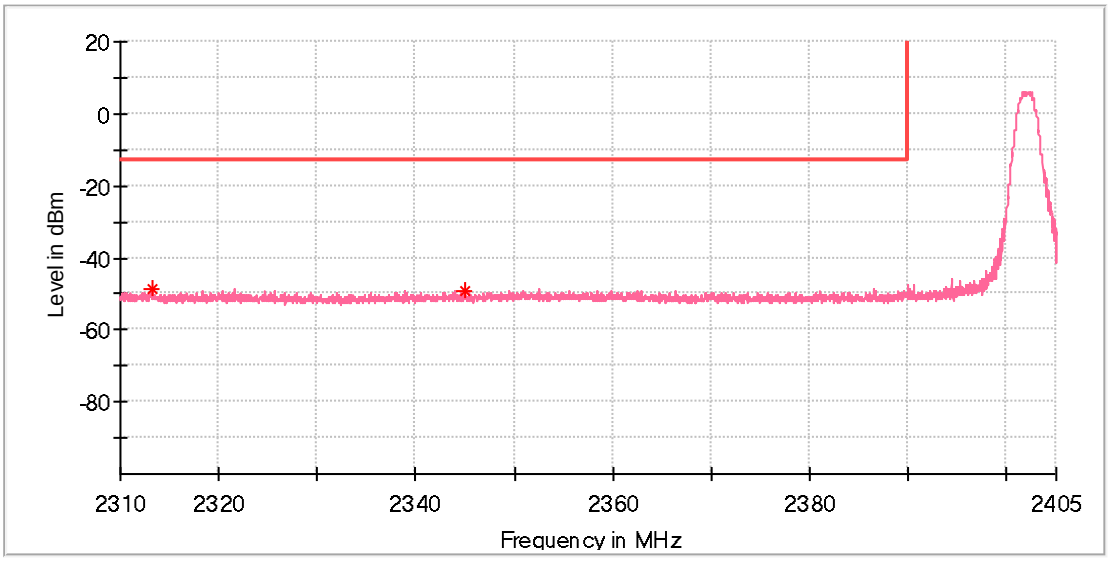
1.9 Bluetooth with NB-IoT, bandedge

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



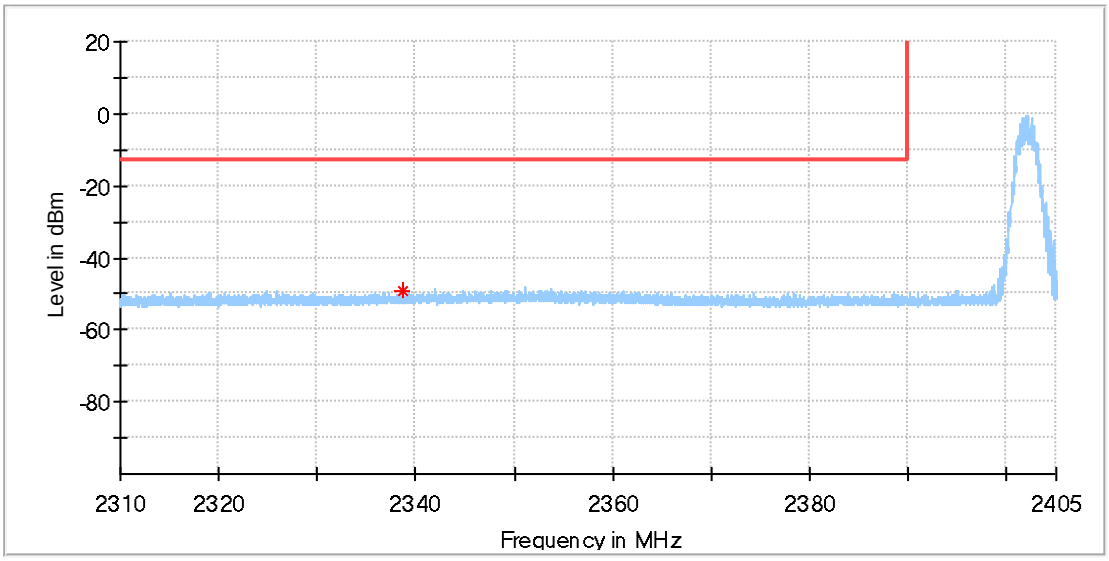
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2327.812500	-49.25	---	-13.00	36.25	100.0	H	304.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 2 QPSK 1RB CH18601
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



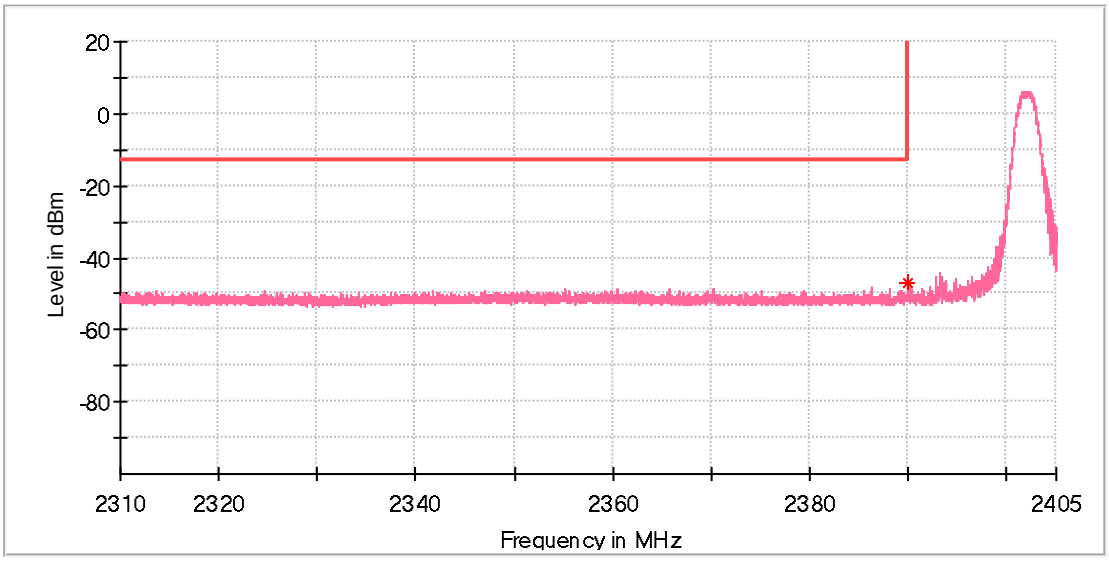
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2313.206250	-48.65	---	-13.00	35.65	100.0	V	127.0	-87.6
2344.912500	-48.96	---	-13.00	35.96	100.0	V	85.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



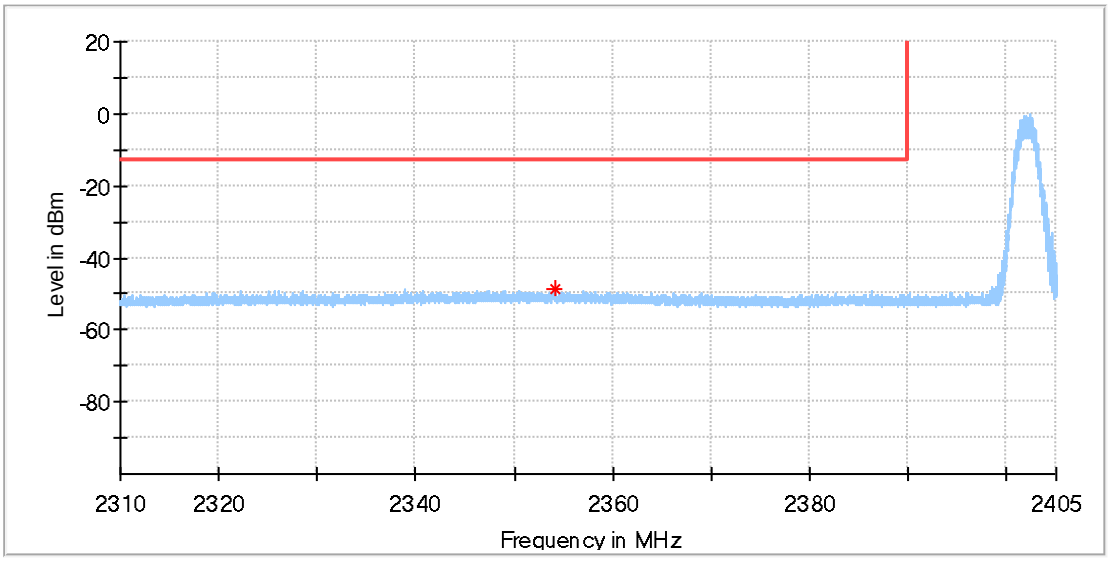
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2338.664796	-49.30	---	-13.00	36.30	100.0	H	318.0	-87.6

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 5 QPSK 1RB CH20649
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



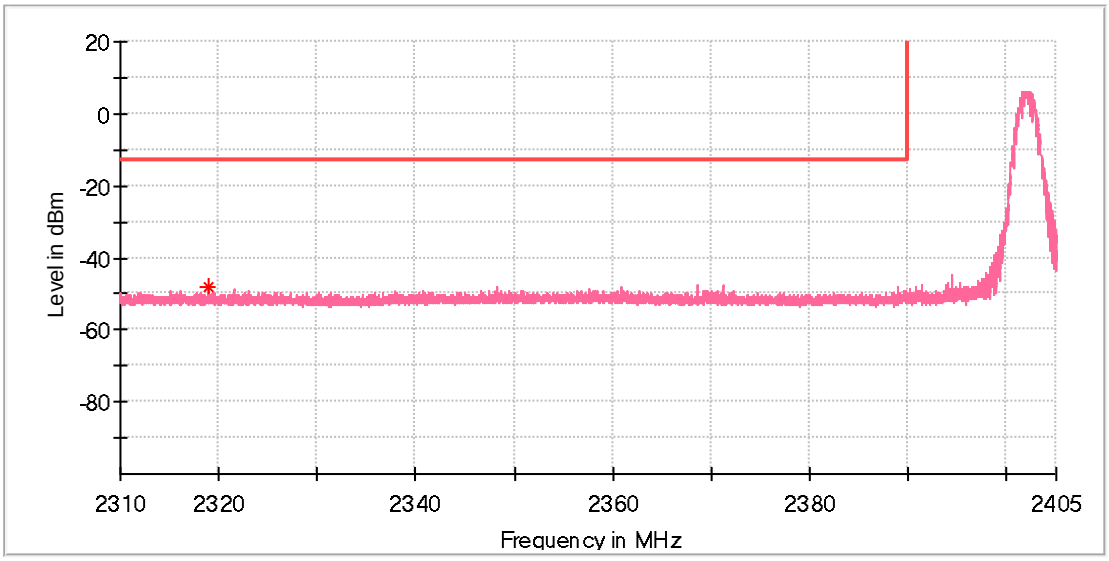
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2389.916327	-46.75	---	-13.00	33.75	100.0	V	103.0	-88.1

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



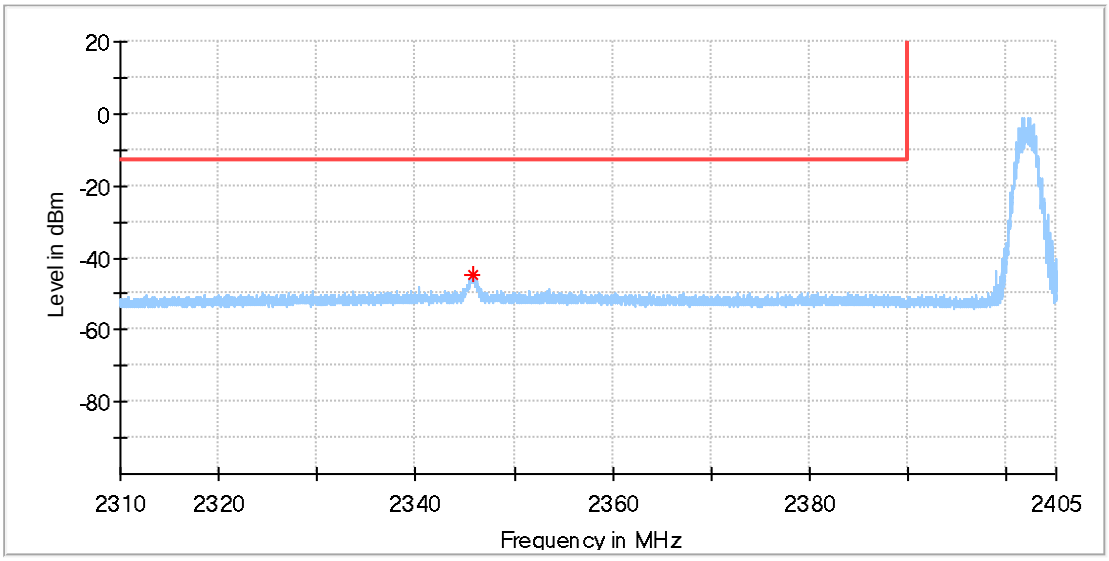
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2354.116837	-48.72	---	-13.00	35.72	100.0	H	62.0	-87.4

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 12 QPSK 1RB CH23011
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



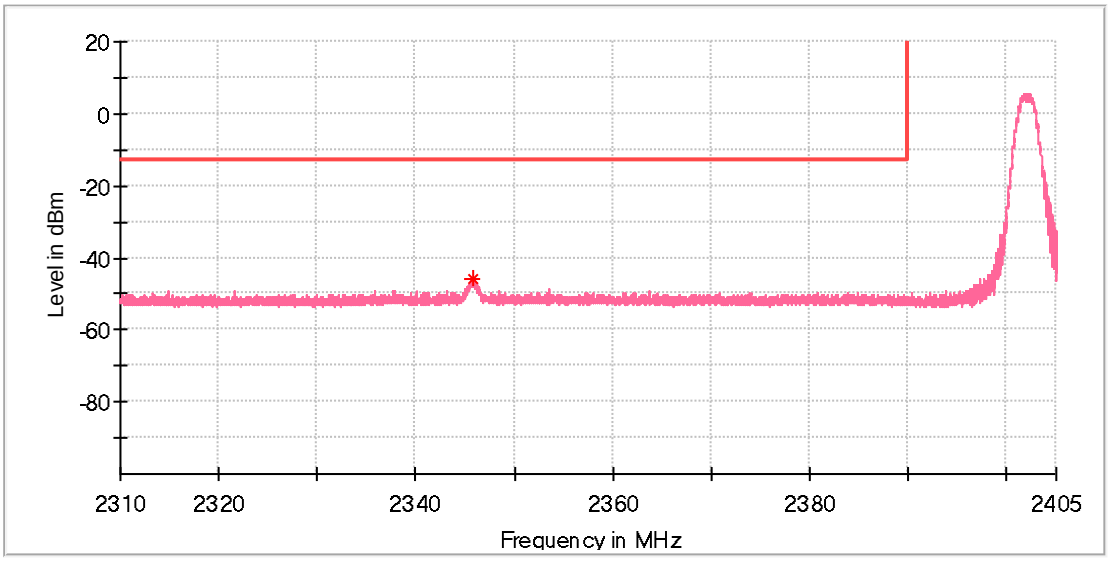
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2318.908674	-48.10	---	-13.00	35.10	100.0	V	123.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



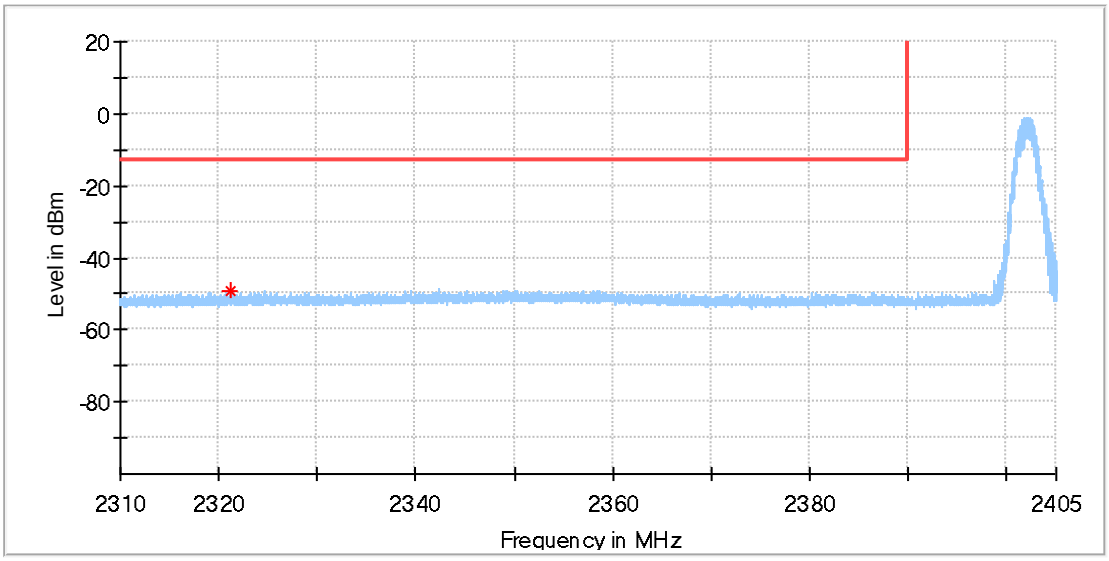
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2345.896429	-44.97	---	-13.00	31.97	100.0	H	298.0	-87.5

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 13 QPSK 1RB CH23230
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



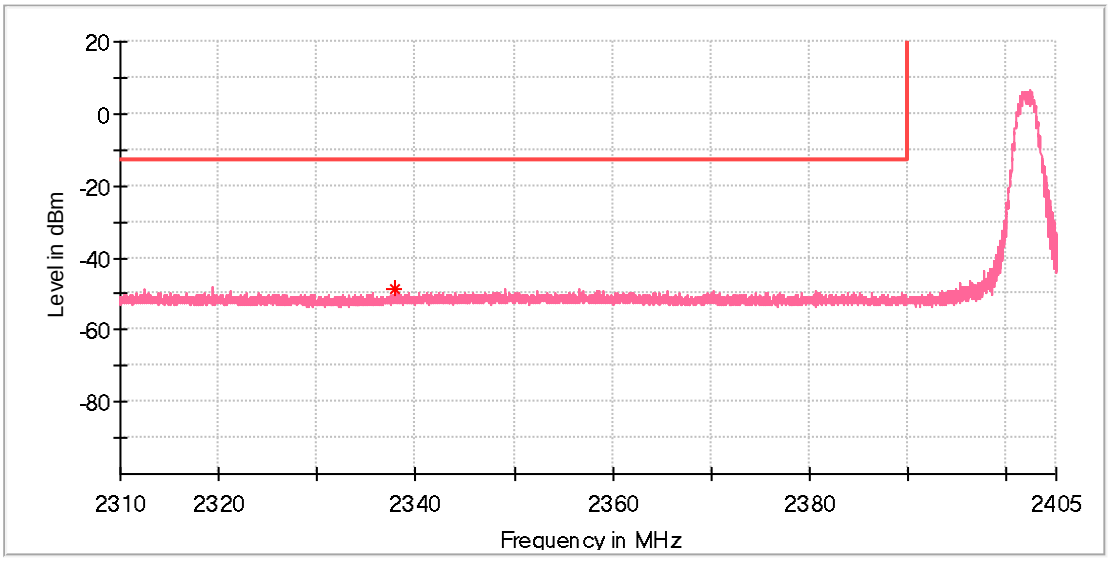
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2345.847959	-45.87	---	-13.00	32.87	100.0	V	127.0	-87.8

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



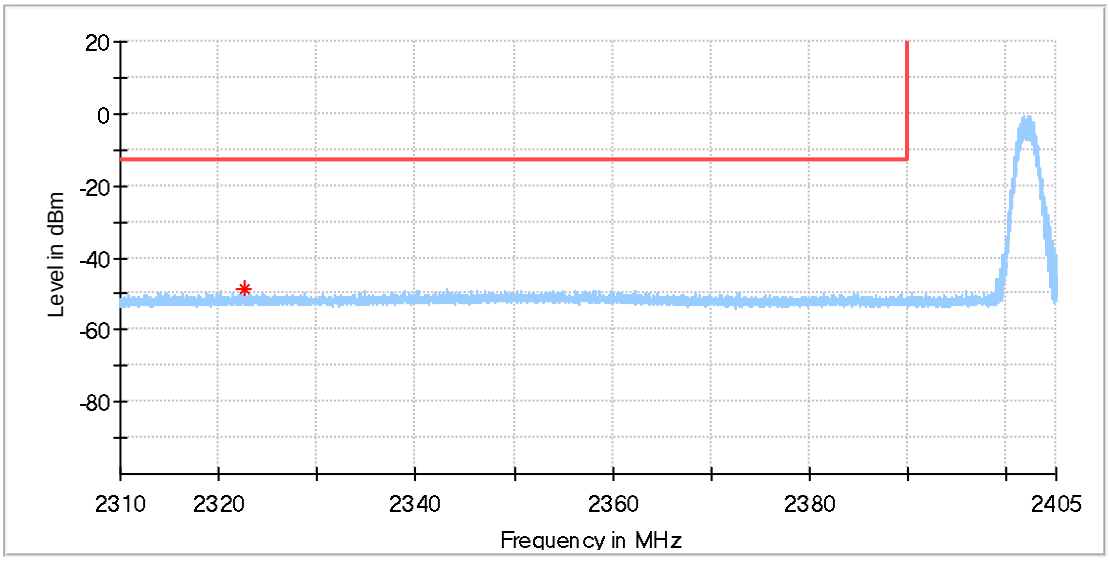
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2321.215816	-49.45	---	-13.00	36.45	100.0	H	227.0	-87.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



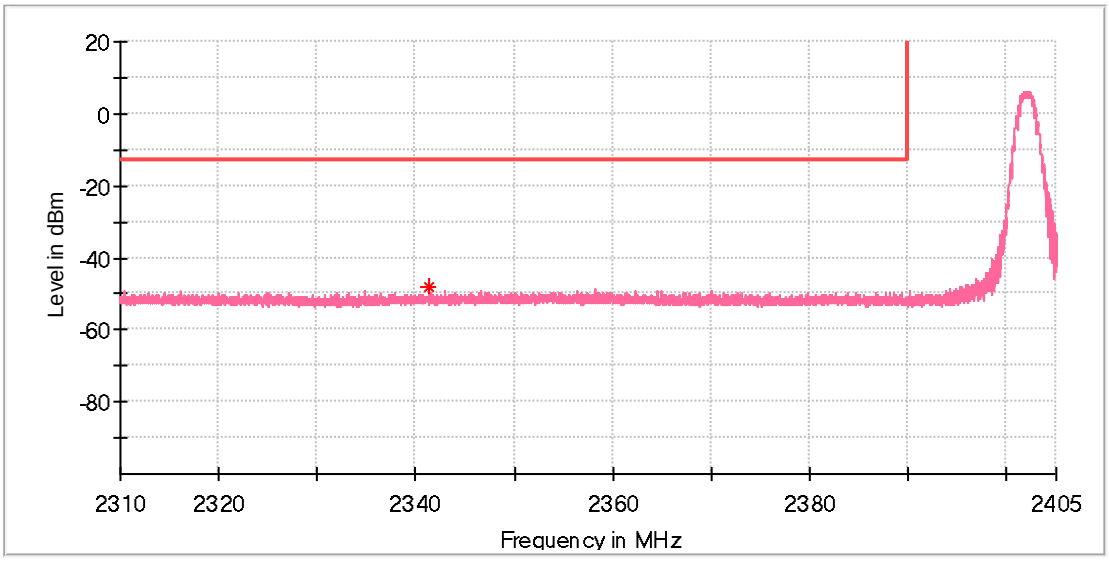
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2337.889286	-48.47	---	-13.00	35.47	100.0	V	219.0	-87.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2322.640816	-48.79	---	-13.00	35.79	100.0	H	195.0	-87.9

EUT Name:	AMAZON LOCKER
Model:	ZL-ODIN-V1
Test Mode:	Co-locate_BLE 1M CH0 & NBIOT Band 26 QPSK 1RB CH26691
Test Voltage::	Battery
Remark:	Temp 24 Humi:45%
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2341.398470	-48.36	---	-13.00	35.36	100.0	V	166.0	-87.9