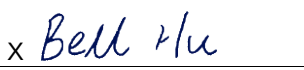


Prüfbericht-Nr.: Test report no.:	CN253LBU 002	Auftrags-Nr.: Order no.:	168538804	Seite 1 von 14 Page 1 of 14
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2025-02-17	
Auftraggeber: Client:	Suzhou BLUESTONE New Power Co., Ltd. Building 2A-101 #No.69, Weixin Road, Suzhou Industrial Park, 215000 Jiangsu Province, P.R. China			
Prüfgegenstand: Test item:	T-BOX			
Bezeichnung / Typ-Nr.: Identification / Type no.:	CF-T12VNA08			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 22 CFR Title 47 FCC Part 24 CFR Title 47 FCC Part 27		RSS-132 Issue 4 RSS-133 Issue 7 RSS-139 Issue 4	
Wareneingangsdatum: Date of sample receipt:	2025-02-26	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no:	A003926364-002~075 A003957759-001~002			
Prüfzeitraum: Testing period:	2025-03-25 - 2025-03-31			
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:			genehmigt von: authorized by:	
Datum: Date: 2025-07-08	Signed by: Jonathan Li		Ausstellungsdatum: Issue date: 2025-07-08	Signed by: Bell Hu
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: 2A8GZ3004006 IC ID: 33788-3004006 HVIN: 3004006 Contains FCC ID: XMR201905AG35LA, IC: 10224A- 2019AG35NA This report is for co-location and spurious radiated emission of GSM/WCDMA/LTE test.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet			
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(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 above mentioned 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.				

Prüfbericht-Nr.: CN253LBU 002
Test report no.:

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Prüfbericht - Nr.: CN253LBU 002
Test Report No.:

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Test Summary

5.1.1 FIELD STRENGTH OF SPURIOUS RADIATION

RESULT: Pass

5.1.2 CO-LOCATED RADIATED SPURIOUS EMISSION

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 Radiated Spurious Emissions

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, China

FCC Accreditation Designation No.: 694916

ISED Wireless Device Testing Laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101439	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2024-09-29	2025-09-28
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180070	2024-09-29	2025-09-28
Amplifier	R&S	SCU40A	100475	2024-09-29	2025-09-28
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2025-09-27
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2025-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2025-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2025-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
All emissions, radiated	±4.17 dB

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 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, 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 product is a T-BOX which supports Bluetooth and GSM/WCDMA/LTE wireless technology. This product contains LTE module "AG35-LA" (FCC ID: XMR201905AG35LA IC: 10224A-2019AG35NA).

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

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	T-BOX
Type Designation:	CF-T12VNA08
FCC ID:	2A8GZ3004006
IC ID:	33788-3004006
Operating Voltage:	DC 13.5V
Operating Temperature Range:	-40 °C ~ +85 °C
Technical Specification of Bluetooth LE	
Operating Frequency:	2402-2480MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Data Rate:	1Mbps
Channel Separation:	2 MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	0.72 dBi
Technical Specification of GSM / WCDMA / LTE	
GSM Operating Band:	GSM 850: 824 to 849 MHz GSM 1900: 1850 to 1910 MHz
WCDMA Operating Band:	WCDMA Band 2: 1850 to 1910 MHz WCDMA Band 4: 1710 to 1755 MHz WCDMA Band 5: 824 to 849 MHz
LTE Operating Band:	LTE Band 2: 1850 to 1910 MHz LTE Band 4: 1710 to 1755 MHz LTE Band 5: 824 to 849 MHz LTE Band 7: 2500 to 2570MHz LTE Band 12: 699 to 716 MHz LTE Band 13: 777 to 787 MHz LTE Band 17: 704 to 716 MHz
Type of Modulation:	GSM: GMSK(GPRS/EGPRS), 8PSK(EGPRS) WCDMA & LTE: QPSK, 16QAM
Antenna Type:	Internal Antenna
Antenna Gain:	0 dBi (Provided by the Client)

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Radiated Spurious Emissions (2G, 3G,4G)
- B. On, GSM/WCDMA/LTE + BT Co-location mode
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-------------------------|------------------------------|
| - Application Form | - User Manual |
| - Operation Description | - ID Label and Location Info |

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, KDB 971168 D01 and ANSI C63.26.

According to clause 3.1, all tests were performed on model *CF-T12VNA08* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	N/A
DC power Supply	Topward	3303D	809332	0-30 Volts, 0-3 Amps

4.4 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.

4.5 Test Setup Diagram

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

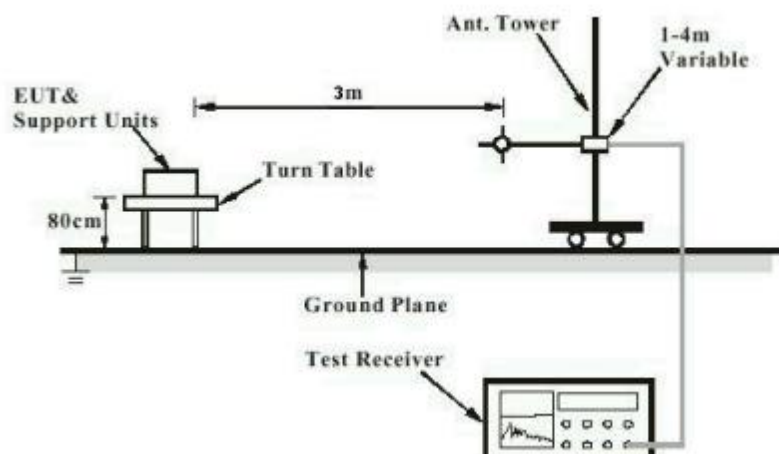
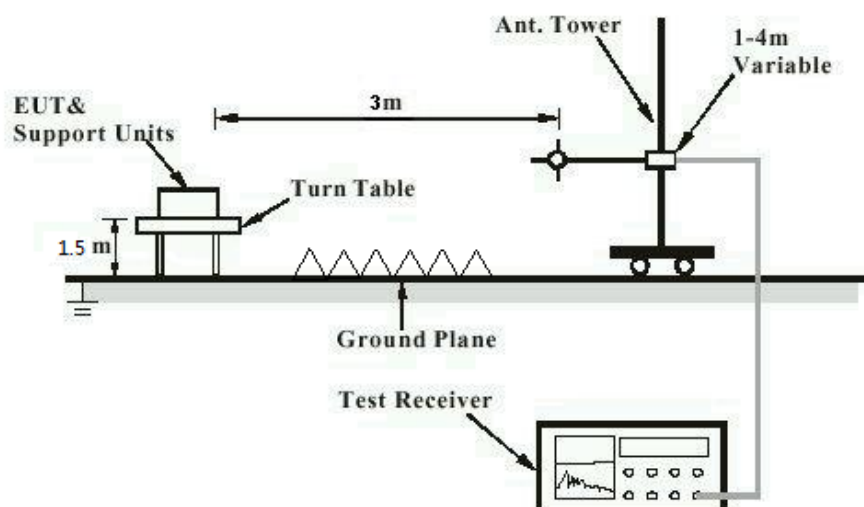


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Field Strength of Spurious Radiation

RESULT:**Pass****Test Specification**

Test standard	: CFR Title 47 FCC Part 22	RSS-132 Issue 4
	: CFR Title 47 FCC Part 24	RSS-133 Issue 7
	: CFR Title 47 FCC Part 27	RSS-139 Issue 4
	: CFR Title 47 FCC Part 2	RSS-Gen Issue 5
Basic standard:	: ANSI C63.26	
Limits:	KDB 996369 D04	
	The emissions not exceed the highest limit.	
Kind of test site	: 3m Semi-anechoic Chamber	

Test Setup

Date of testing	: 2025-03-25 to 2025-03-31
Input voltage	: DC 13.5V
Operation mode	: A
Test channel	: Middle
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

The emissions beyond the limit are the fundamental radio frequency of modules.

For the measurement records, refer to the following plots, only the worst case mode are shown in this report.

For the measurement records, refer to the appendix A.

The limit calculation:

Limit = P_{Meas} (dBm) – [43+10log(P_{Meas})] = -13 dBm

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in this report. The measurement is performed for all operational modes and both antenna polarization, only the data of the worst mode is recorded in this report.

5.1.2 Co-Located Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3 CFR Title 47 FCC Part 22 CFR Title 47 FCC Part 24 CFR Title 47 FCC Part 27 RSS-132 Issue 4 RSS-133 Issue 7 RSS-139 Issue 4
Basic standard	: ANSI C63.10: 2013 & ANSI C63.26 KDB 789033 D02 v01r03
Limits	: The emissions not exceed the highest limit.
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2025-03-25 to 2025-03-31
Input voltage	: DC 13.5V
Operation mode	: B
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

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

7 List of Tables

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Appendix A: Test Results of Radiated Spurious Emissions

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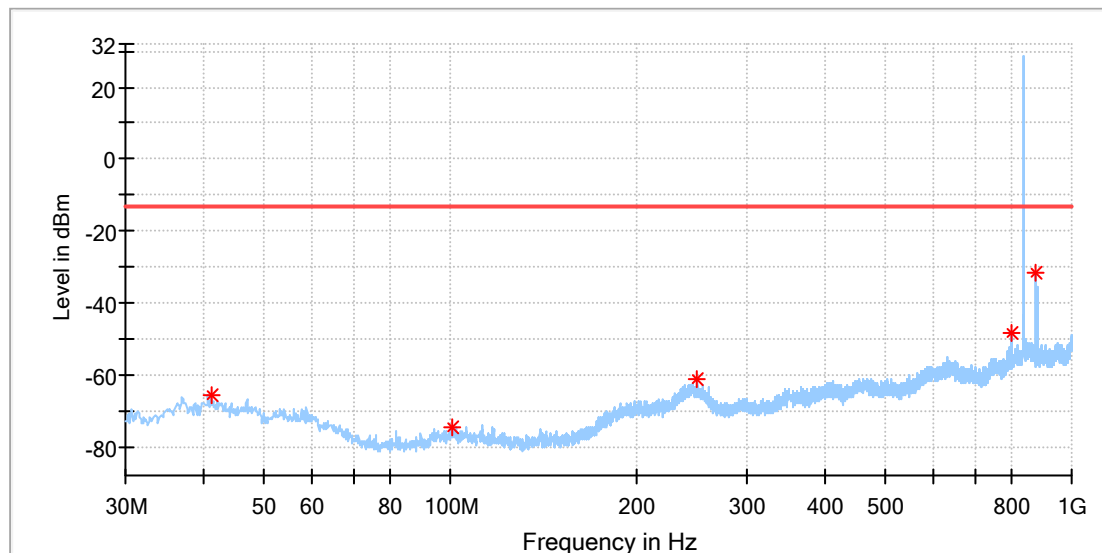
Appendix A.1: Test Results of Field Strength of Spurious Radiation, GSM Band

Note: The highest waveform in the figure is GSM Fundamental.

GSM 850

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 850_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

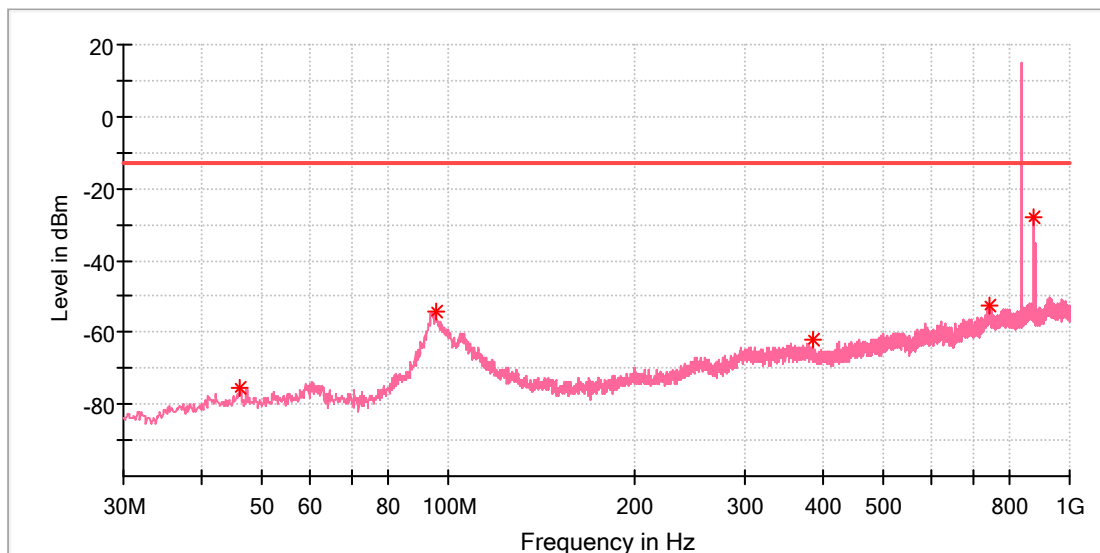


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.276250	-65.50	-13.00	52.50	100.0	H	189.0	-112.4
101.052500	-74.43	-13.00	61.43	100.0	H	218.0	-121.1
250.068750	-61.41	-13.00	48.41	100.0	H	99.0	-110.1
798.240000	-48.32	-13.00	35.32	100.0	H	193.0	-102.5
876.082500	-31.72	-13.00	18.72	100.0	H	134.0	-101.6

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 850_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 22
Tested By: Kei Zhang
Reviewed By: Terry Yin

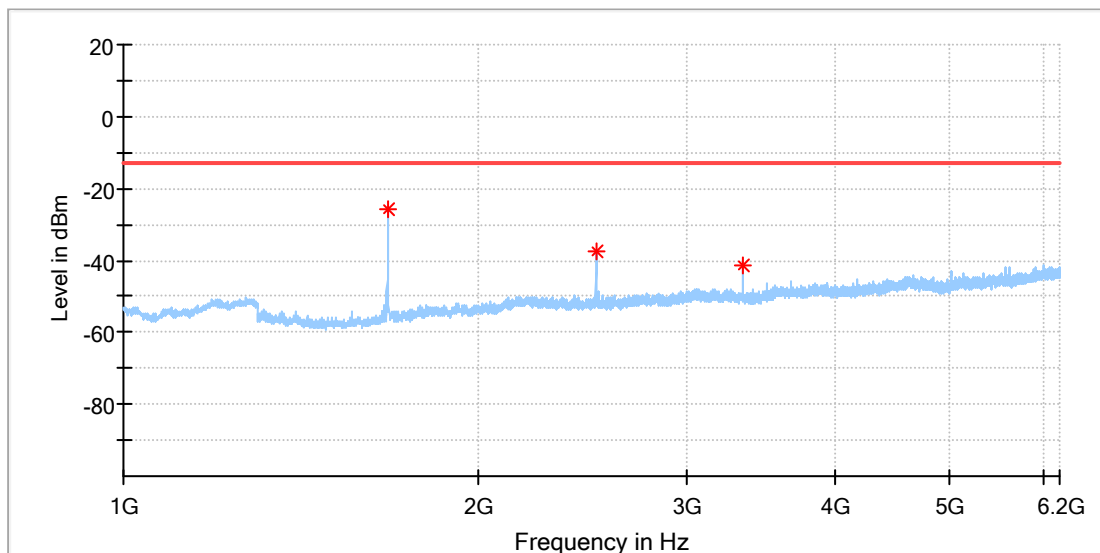


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
46.126250	-75.17	-13.00	62.17	100.0	V	140.0	-121.6
95.353750	-54.48	-13.00	41.48	100.0	V	326.0	-100.2
387.687500	-62.14	-13.00	49.14	100.0	V	147.0	-111.6
745.617500	-52.49	-13.00	39.49	100.0	V	129.0	-101.8
876.082500	-27.91	-13.00	14.91	100.0	V	238.0	-101.7

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 850_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

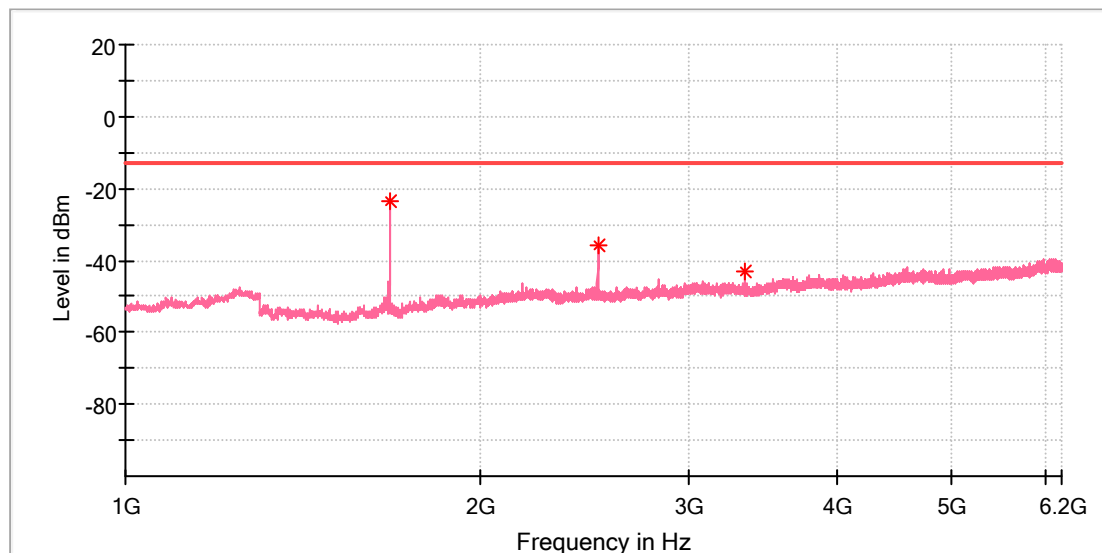


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1674.500000	-25.78	-13.00	12.78	150.0	H	145.0	-92.5
2510.500000	-37.23	-13.00	24.23	150.0	H	234.0	-88.6
3348.000000	-41.61	-13.00	28.61	150.0	H	298.0	-87.4

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 850_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 22
Tested By: Kei Zhang
Reviewed By: Terry Yin

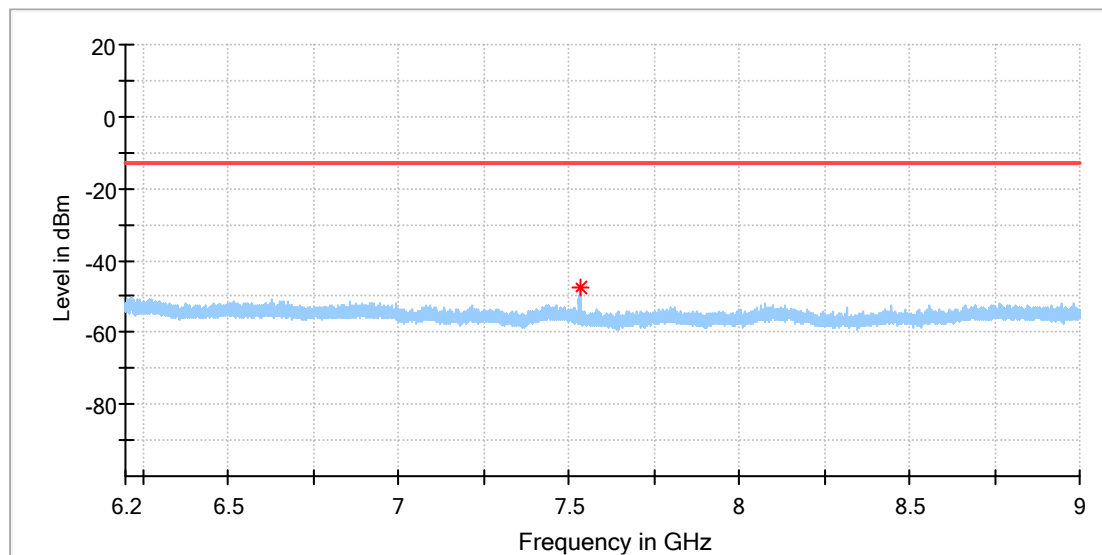


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1674.000000	-23.80	-13.00	10.80	150.0	V	15.0	-90.6
2510.500000	-35.59	-13.00	22.59	150.0	V	133.0	-86.5
3348.000000	-42.92	-13.00	29.92	150.0	V	280.0	-85.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 850_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

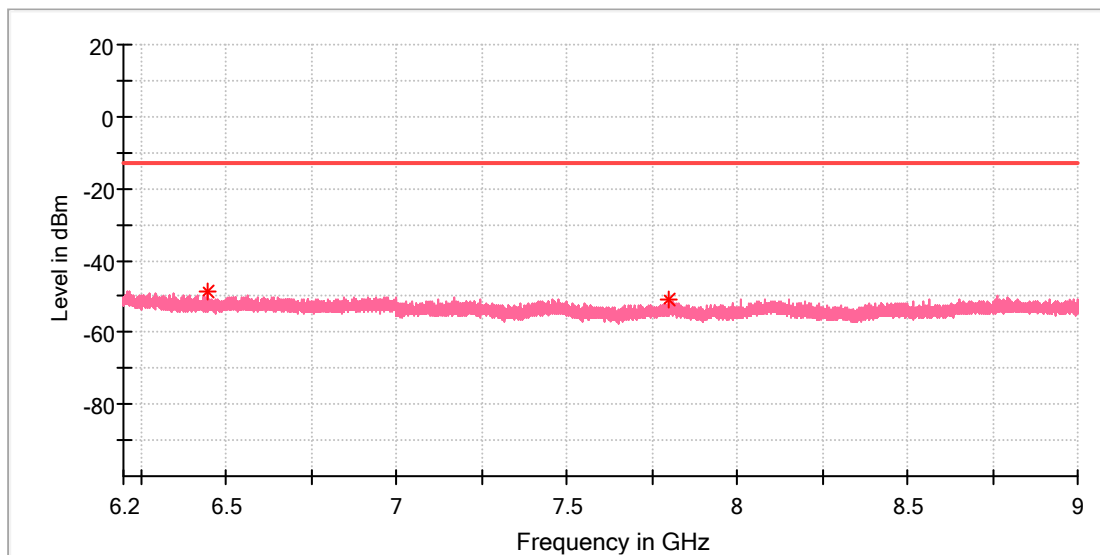


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7532.450000	-47.56	-13.00	34.56	150.0	H	313.0	-88.6

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 850_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



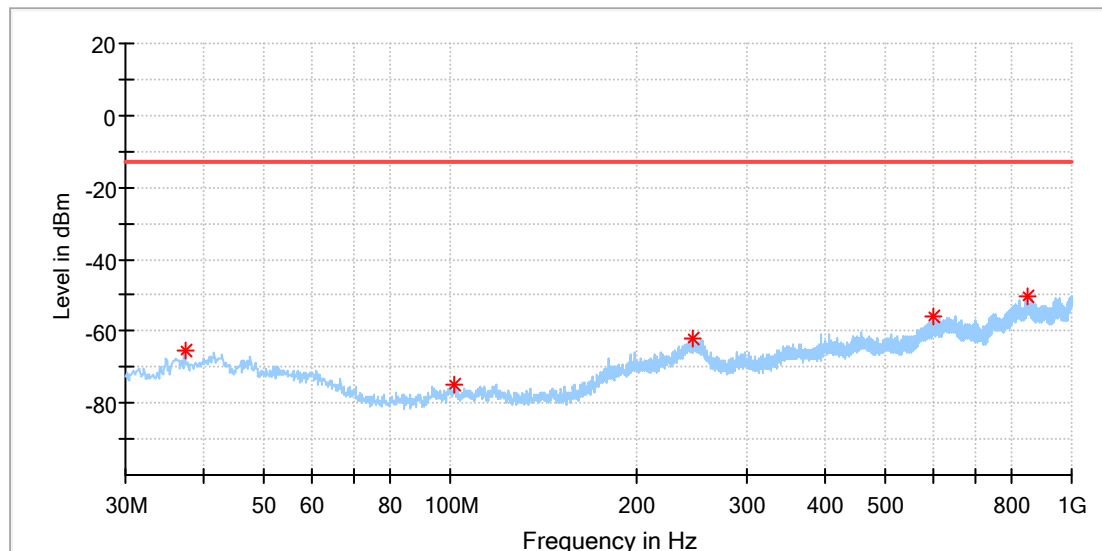
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6447.800000	-48.84	-13.00	35.84	150.0	V	355.0	-86.9
7798.100000	-51.05	-13.00	38.05	150.0	V	273.0	-86.7

GSM 1900

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

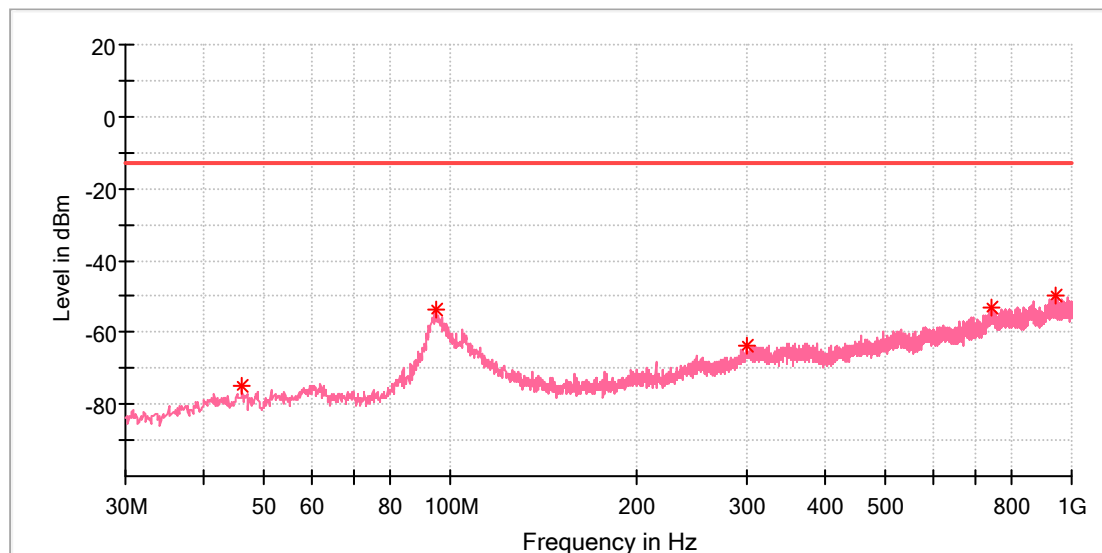


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.396250	-65.57	-13.00	52.57	100.0	H	301.0	-113.8
101.416250	-74.93	-13.00	61.93	100.0	H	296.0	-121.4
245.825000	-61.81	-13.00	48.81	100.0	H	140.0	-110.0
599.268750	-55.99	-13.00	42.99	100.0	H	76.0	-105.2
849.650000	-50.19	-13.00	37.19	100.0	H	357.0	-99.7

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

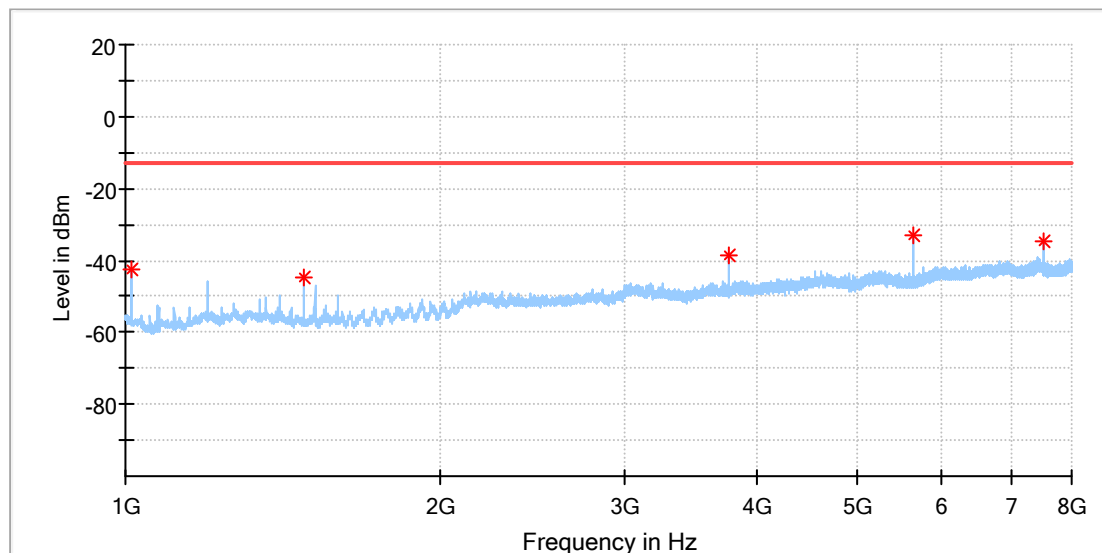


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
46.126250	-75.03	-13.00	62.03	100.0	V	290.0	-121.6
94.626250	-53.67	-13.00	40.67	100.0	V	335.0	-99.8
300.993750	-63.73	-13.00	50.73	100.0	V	191.0	-111.0
745.375000	-53.32	-13.00	40.32	100.0	V	133.0	-101.8
945.195000	-49.91	-13.00	36.91	100.0	V	181.0	-100.4

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

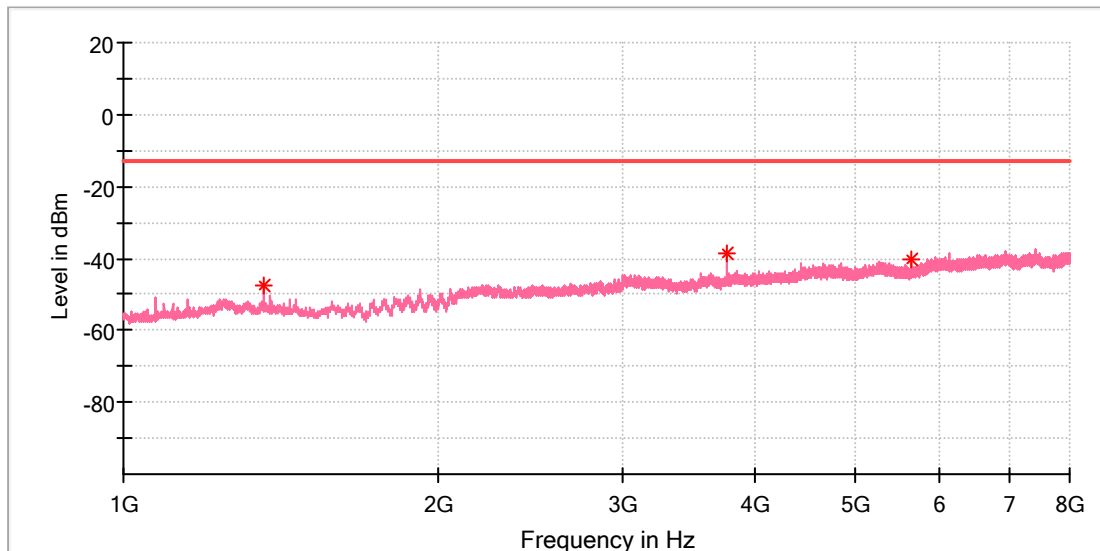


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1015.000000	-42.57	-13.00	29.57	150.0	H	217.0	-94.6
1477.500000	-44.73	-13.00	31.73	150.0	H	224.0	-94.4
3760.000000	-38.88	-13.00	25.88	150.0	H	319.0	-85.4
5640.000000	-33.26	-13.00	20.26	150.0	H	163.0	-83.1
7520.000000	-34.61	-13.00	21.61	150.0	H	0.0	-78.0

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

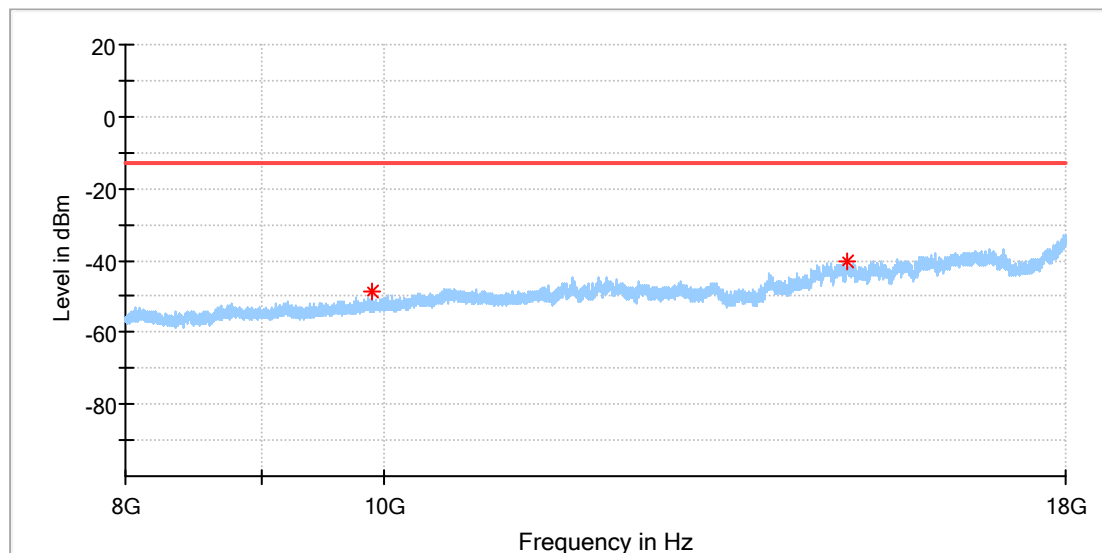


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1362.500000	-47.50	-13.00	34.50	150.0	V	97.0	-91.1
3760.000000	-38.70	-13.00	25.70	150.0	V	253.0	-83.1
5640.000000	-40.13	-13.00	27.13	150.0	V	350.0	-81.0

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

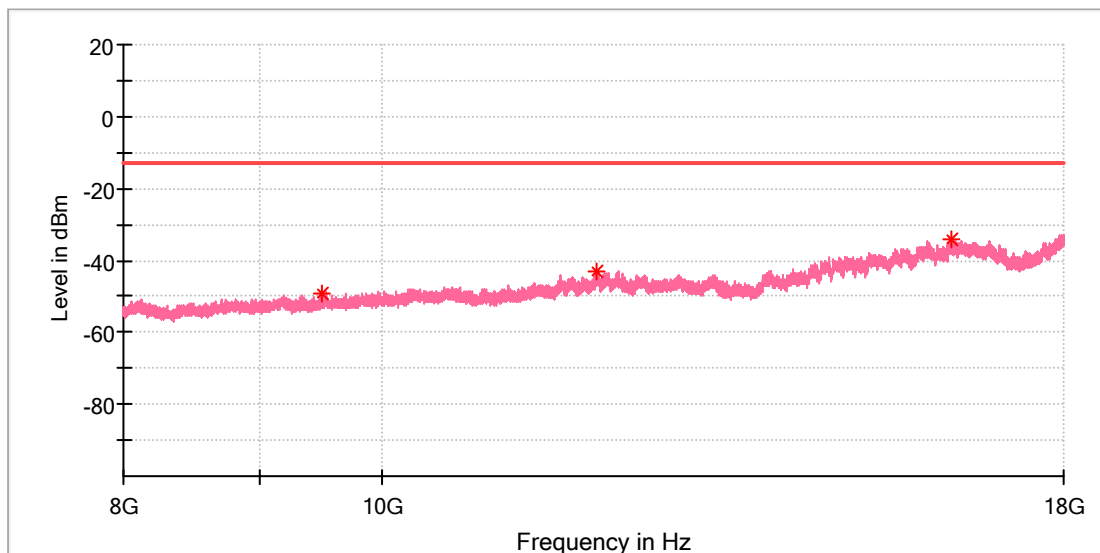


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9888.000000	-48.57	-13.00	35.57	150.0	H	100.0	-84.7
14915.000000	-40.10	-13.00	27.10	150.0	H	100.0	-75.7

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: GSM 1900_GPRS 1TX_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9501.000000	-48.99	-13.00	35.99	150.0	V	169.0	-84.5
12041.500000	-43.33	-13.00	30.33	150.0	V	139.0	-77.8
16329.000000	-34.24	-13.00	21.24	150.0	V	240.0	-70.6

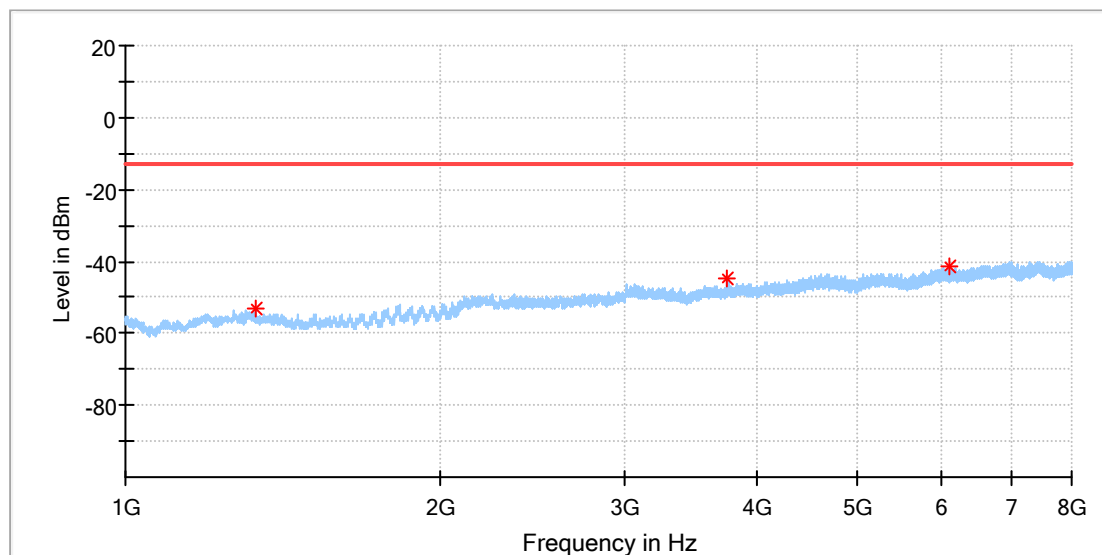
Appendix A.2: Test Results of Field Strength of Spurious Radiation, WCDMA Band

Note: The highest waveform in the figure is WCDMA Fundamental.

WCDMA Band 2

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band II_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

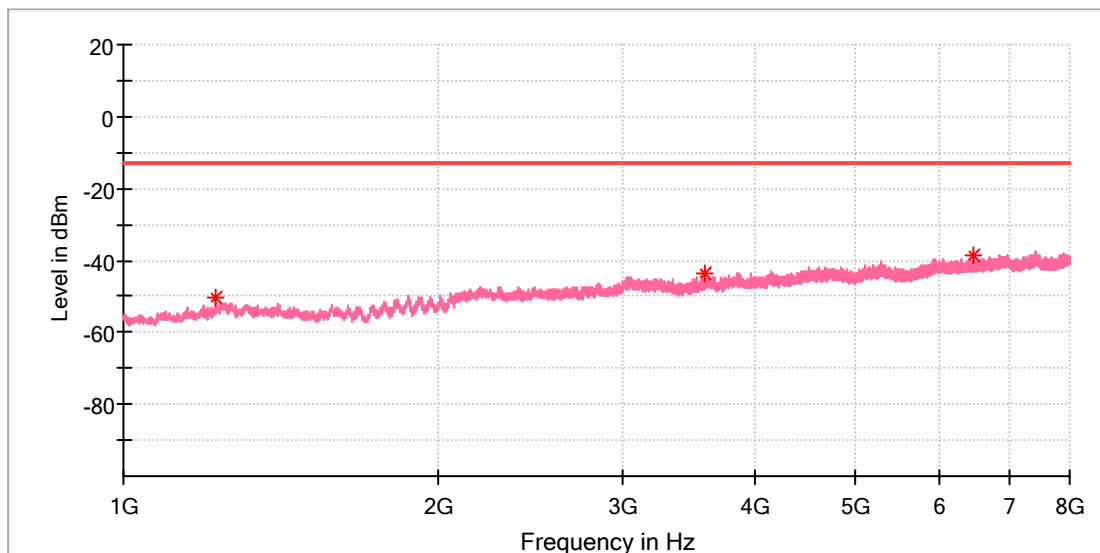


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1331.000000	-53.25	-13.00	40.25	150.0	H	9.0	-92.8
3757.500000	-44.94	-13.00	31.94	150.0	H	222.0	-85.4
6107.500000	-41.52	-13.00	28.52	150.0	H	81.0	-81.0

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band II_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

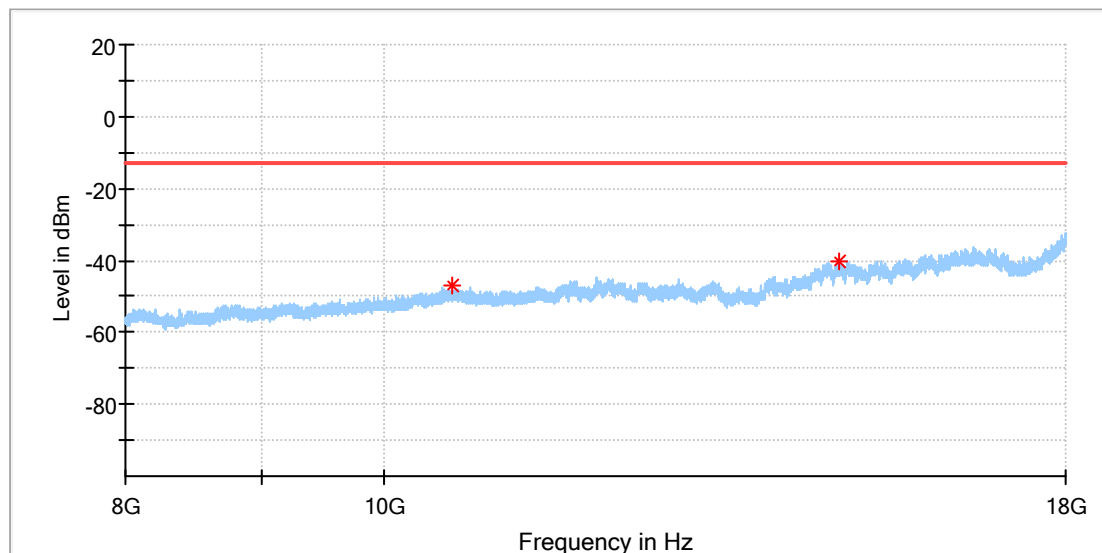


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1223.500000	-50.60	-13.00	37.60	150.0	V	359.0	-91.4
3595.500000	-43.81	-13.00	30.81	150.0	V	91.0	-83.7
6485.500000	-38.77	-13.00	25.77	150.0	V	349.0	-78.2

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band II_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

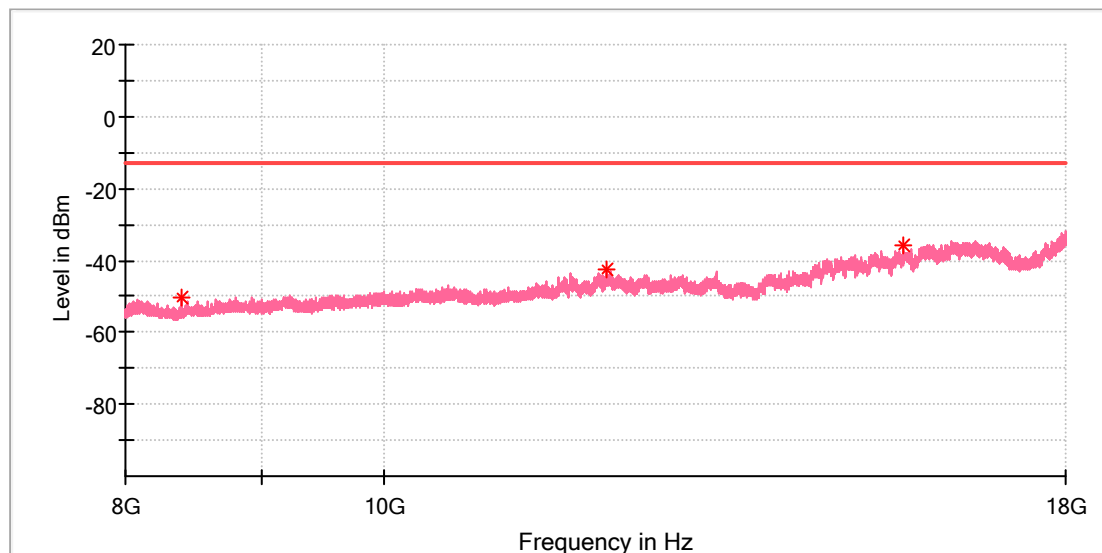


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
10604.500000	-46.87	-13.00	33.87	150.0	H	318.0	-82.5
14816.000000	-40.18	-13.00	27.18	150.0	H	0.0	-75.8

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band II_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin



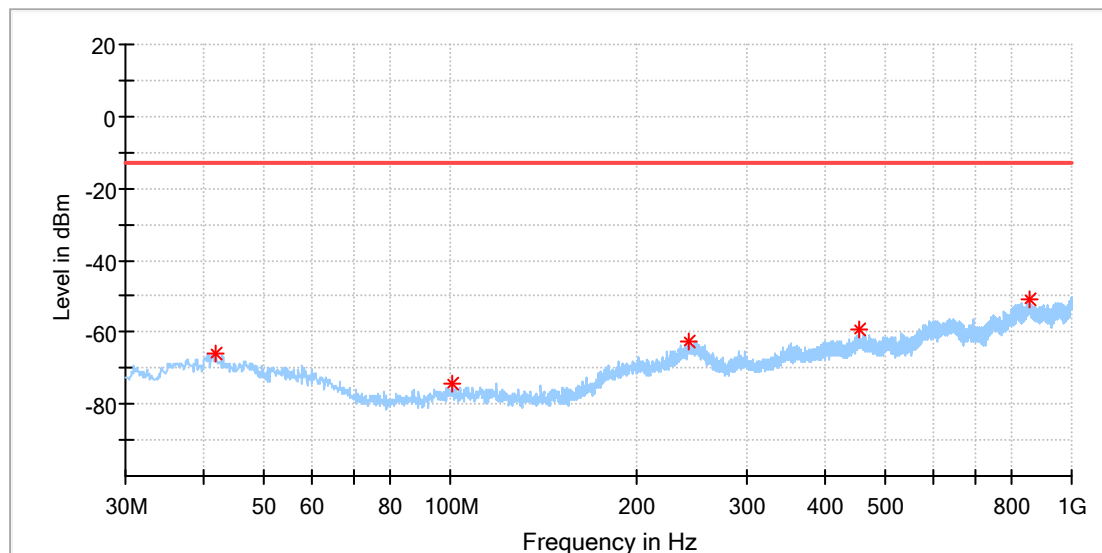
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8390.500000	-50.36	-13.00	37.36	150.0	V	331.0	-87.1
12120.000000	-42.45	-13.00	29.45	150.0	V	180.0	-78.3
15653.000000	-35.91	-13.00	22.91	150.0	V	180.0	-74.6

WCDMA Band 4

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

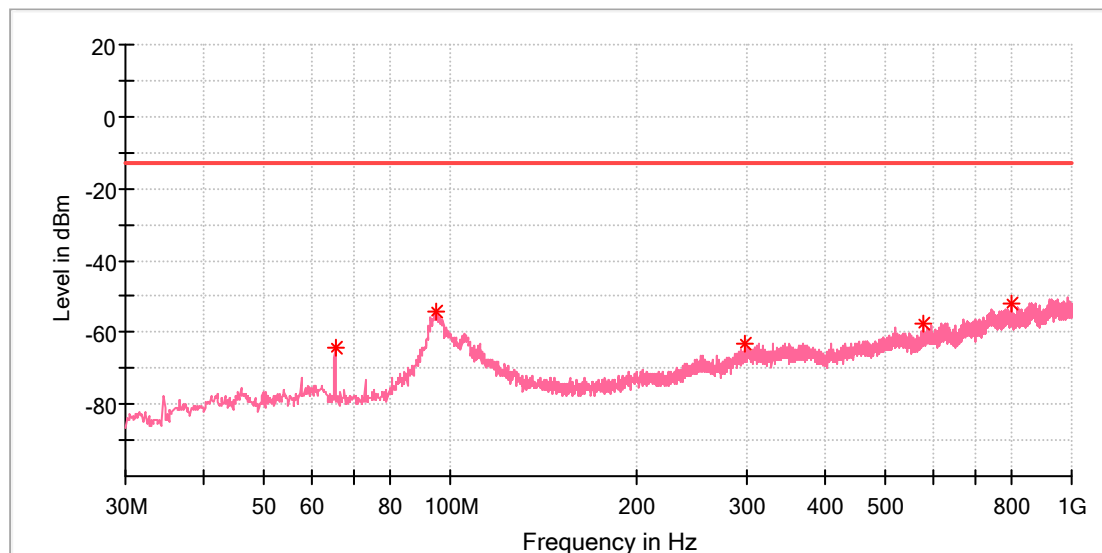


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.882500	-65.99	-13.00	52.99	100.0	H	191.0	-112.4
100.810000	-74.31	-13.00	61.31	100.0	H	182.0	-121.1
242.430000	-62.35	-13.00	49.35	100.0	H	314.0	-109.9
456.072500	-59.33	-13.00	46.33	100.0	H	100.0	-108.4
858.016250	-50.71	-13.00	37.71	100.0	H	34.0	-100.1

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

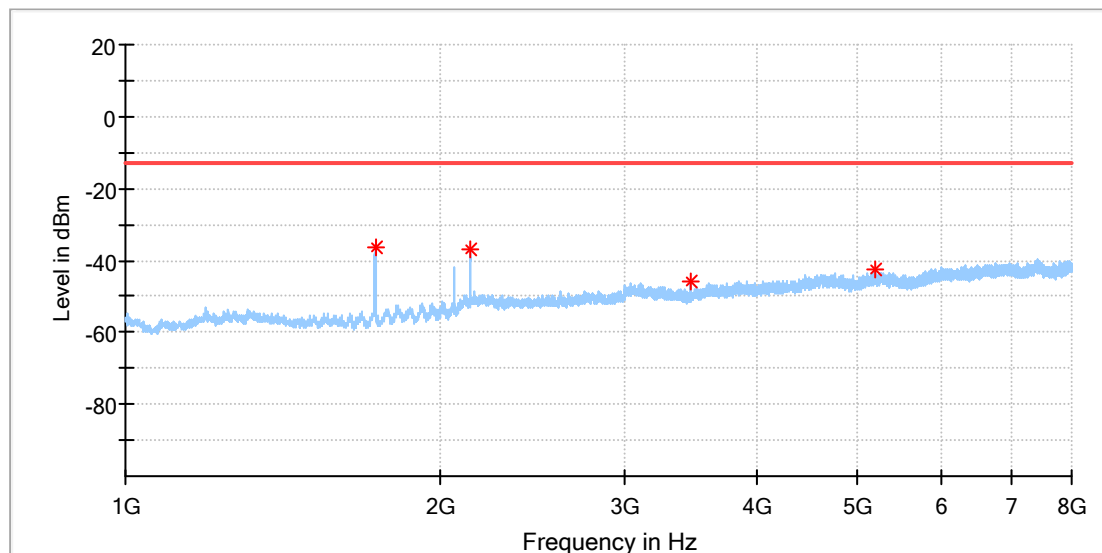


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.283750	-64.30	-13.00	51.30	100.0	V	240.0	-122.5
94.868750	-54.28	-13.00	41.28	100.0	V	358.0	-99.8
298.811250	-63.36	-13.00	50.36	100.0	V	227.0	-111.2
575.746250	-57.49	-13.00	44.49	100.0	V	179.0	-107.1
798.725000	-52.01	-13.00	39.01	100.0	V	111.0	-102.5

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

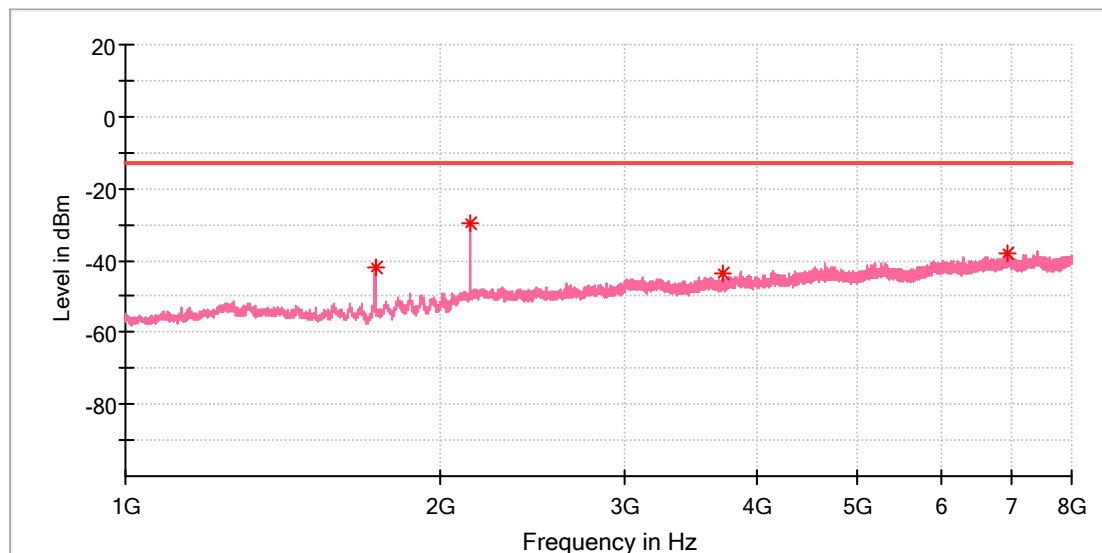


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1731.500000	-36.29	-13.00	23.29	150.0	H	255.0	-91.8
2134.500000	-37.06	-13.00	24.06	150.0	H	47.0	-88.7
3463.500000	-45.98	-13.00	32.98	150.0	H	220.0	-86.7
5196.500000	-42.32	-13.00	29.32	150.0	H	40.0	-82.2

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

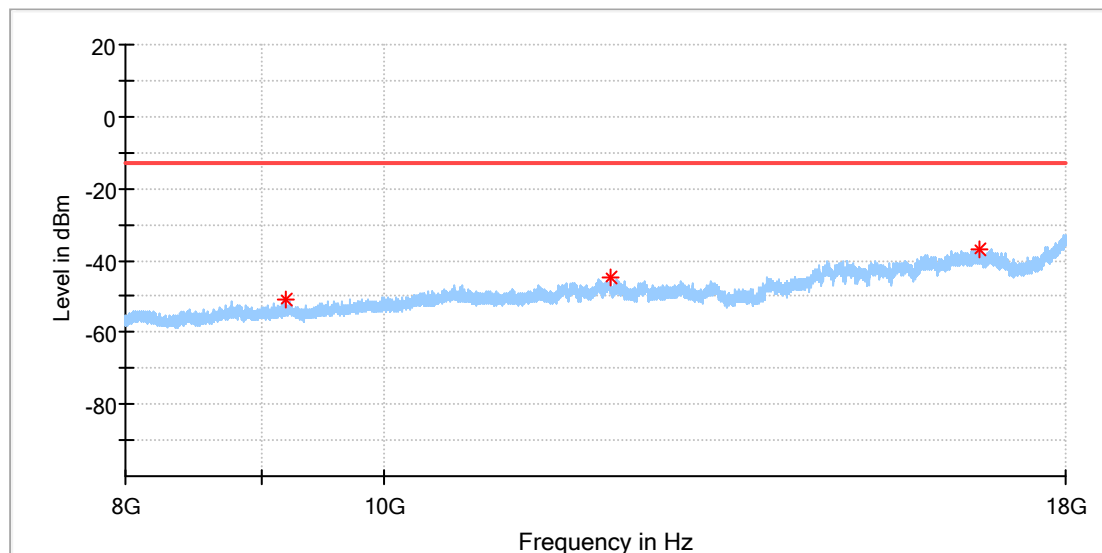


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1731.500000	-42.23	-13.00	29.23	150.0	V	210.0	-89.9
2133.500000	-29.56	-13.00	16.56	150.0	V	35.0	-86.6
3716.500000	-43.87	-13.00	30.87	150.0	V	102.0	-83.8
6944.000000	-37.96	-13.00	24.96	150.0	V	215.0	-77.0

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

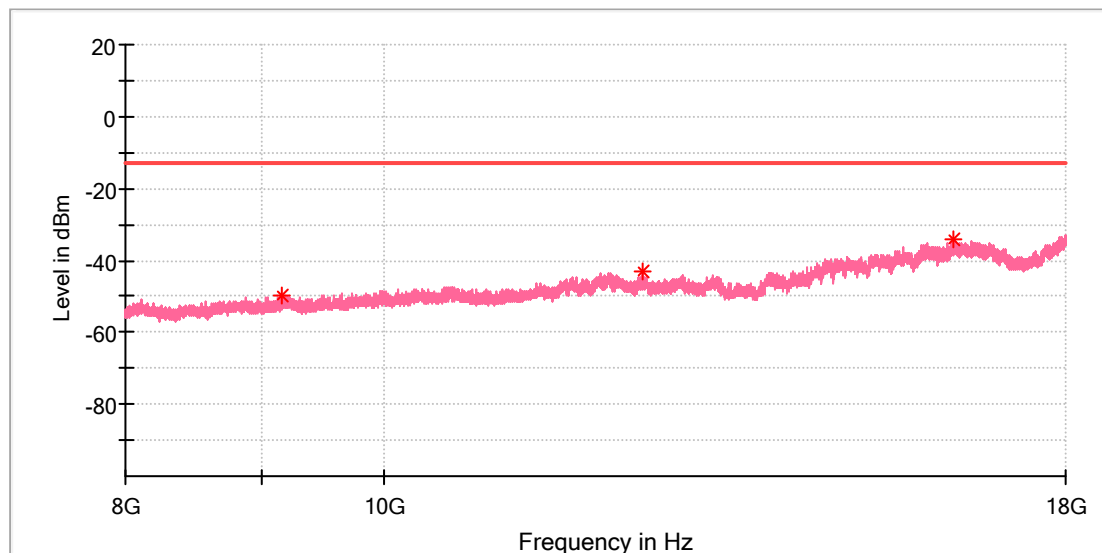


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9192.000000	-51.16	-13.00	38.16	150.0	H	264.0	-85.9
12148.000000	-44.67	-13.00	31.67	150.0	H	189.0	-79.6
16714.000000	-37.13	-13.00	24.13	150.0	H	101.0	-73.9

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band IV_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



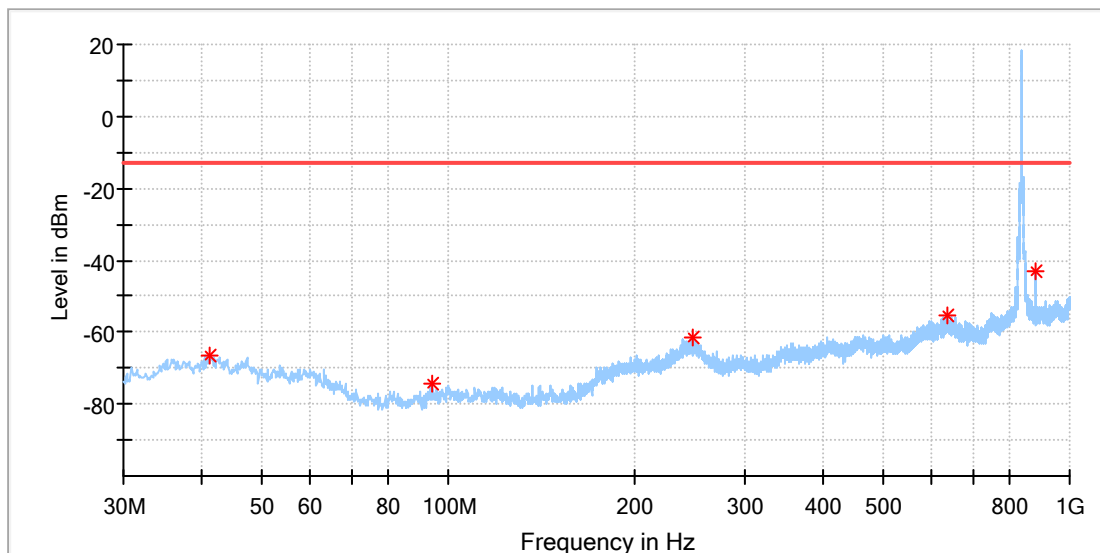
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9151.000000	-49.74	-13.00	36.74	150.0	V	323.0	-84.6
12505.000000	-43.25	-13.00	30.25	150.0	V	333.0	-78.8
16351.500000	-33.87	-13.00	20.87	150.0	V	313.0	-70.5

WCDMA Band 5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

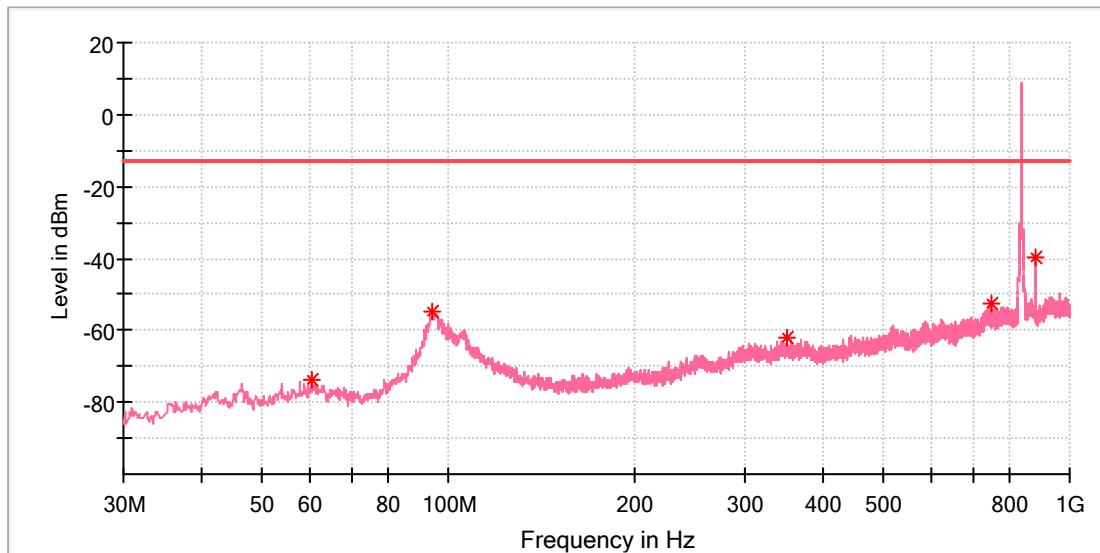


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.397500	-66.45	-13.00	53.45	100.0	H	198.0	-112.4
94.383750	-74.47	-13.00	61.47	100.0	H	234.0	-121.8
246.916250	-61.66	-13.00	48.66	100.0	H	217.0	-109.9
634.431250	-55.10	-13.00	42.10	100.0	H	66.0	-104.6
880.811250	-42.89	-13.00	29.89	100.0	H	133.0	-102.0

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

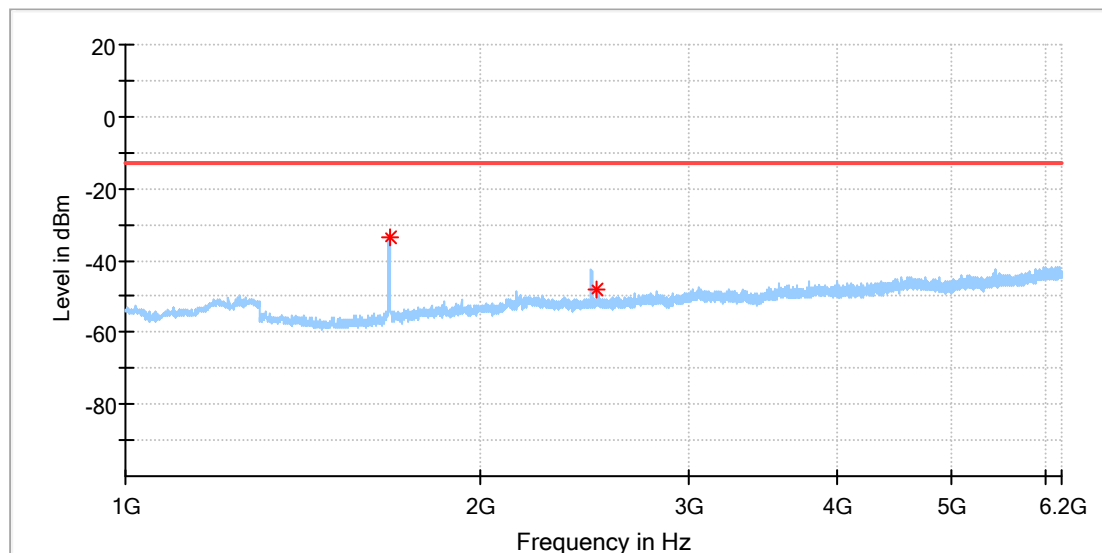


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
60.191250	-73.84	-13.00	60.84	100.0	V	123.0	-120.4
94.141250	-54.56	-13.00	41.56	100.0	V	52.0	-99.8
351.555000	-62.08	-13.00	49.08	100.0	V	162.0	-110.9
746.587500	-52.80	-13.00	39.80	100.0	V	356.0	-101.8
880.932500	-39.77	-13.00	26.77	100.0	V	232.0	-102.3

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

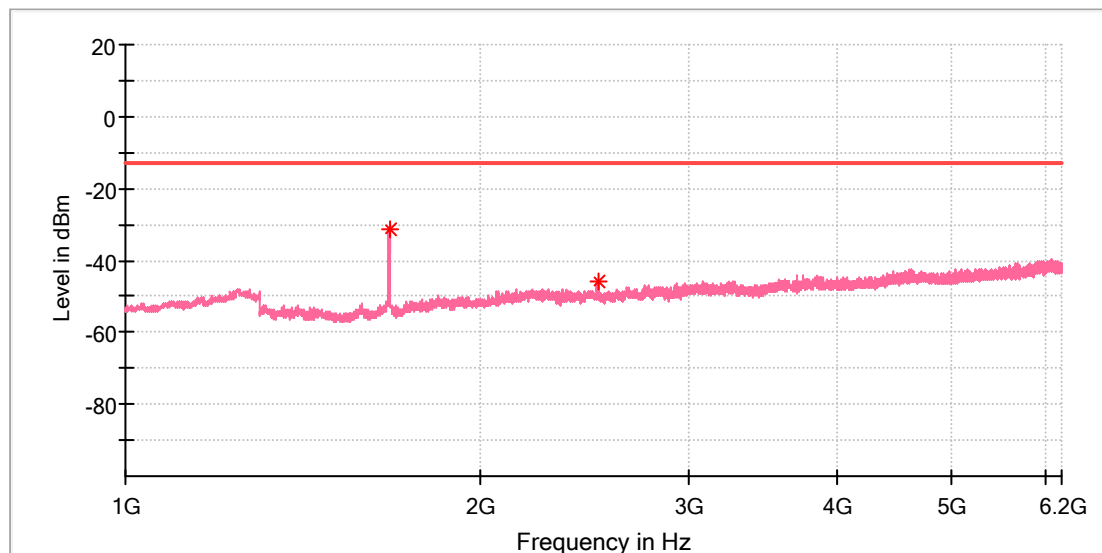


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1674.500000	-33.72	-13.00	20.72	150.0	H	111.0	-92.5
2509.500000	-47.87	-13.00	34.87	150.0	H	281.0	-88.6

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 22
Tested By: Kei Zhang
Reviewed By: Terry Yin

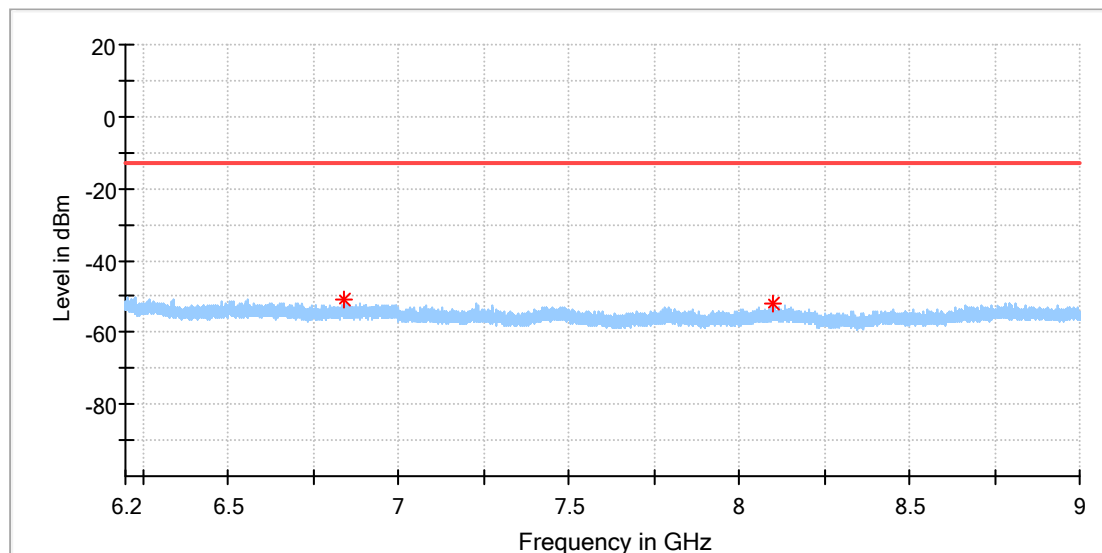


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1675.000000	-31.45	-13.00	18.45	150.0	V	295.0	-90.7
2511.500000	-46.02	-13.00	33.02	150.0	V	320.0	-86.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

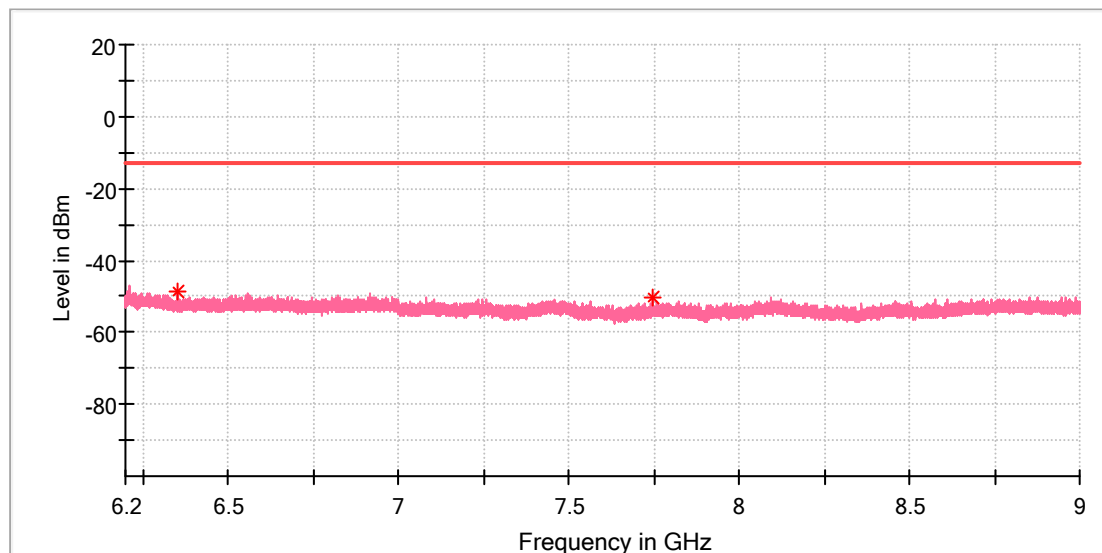


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6843.650000	-51.11	-13.00	38.11	150.0	H	80.0	-88.9
8098.633333	-52.16	-13.00	39.16	150.0	H	137.0	-88.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	WCDMA Band V_RMC12.2K_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6354.583333	-48.72	-13.00	35.72	150.0	V	20.0	-86.8
7744.550000	-50.52	-13.00	37.52	150.0	V	135.0	-87.1

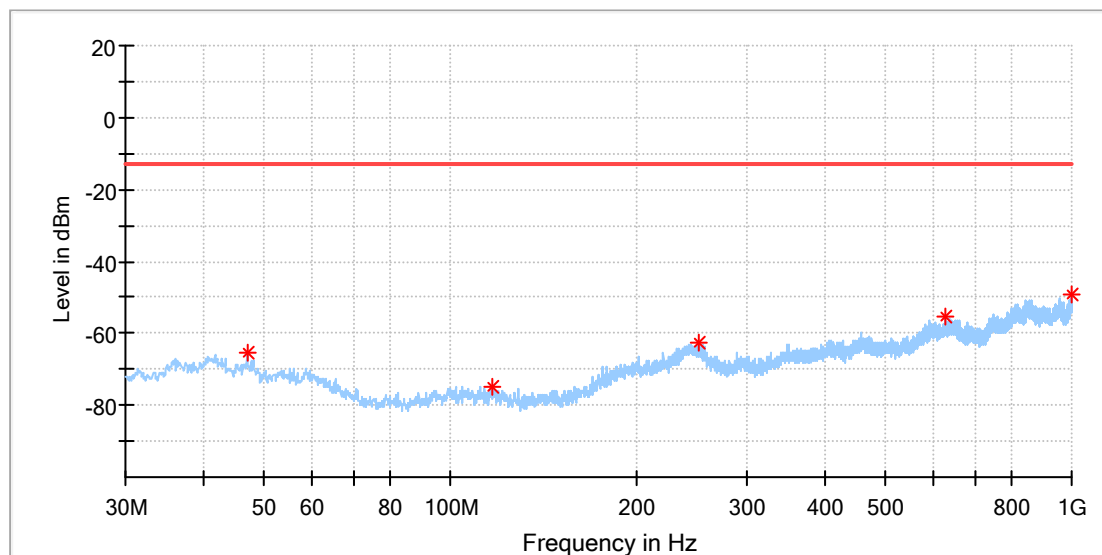
Appendix A.3: Test Results of Field Strength of Spurious Radiation, LTE Band

Note: The highest waveform in the figure is LTE Fundamental.

LTE Band 2

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

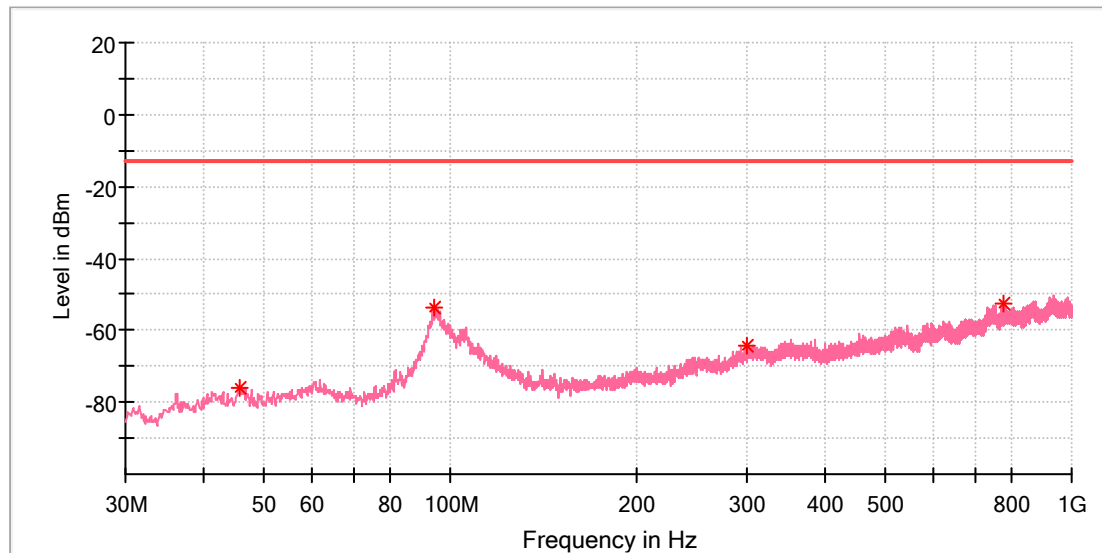


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
47.096250	-65.35	-13.00	52.35	100.0	H	309.0	-114.1
117.178750	-74.90	-13.00	61.90	100.0	H	240.0	-121.7
251.281250	-62.44	-13.00	49.44	100.0	H	0.0	-110.3
625.216250	-55.41	-13.00	42.41	100.0	H	0.0	-105.2
997.211250	-49.49	-13.00	36.49	100.0	H	234.0	-98.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

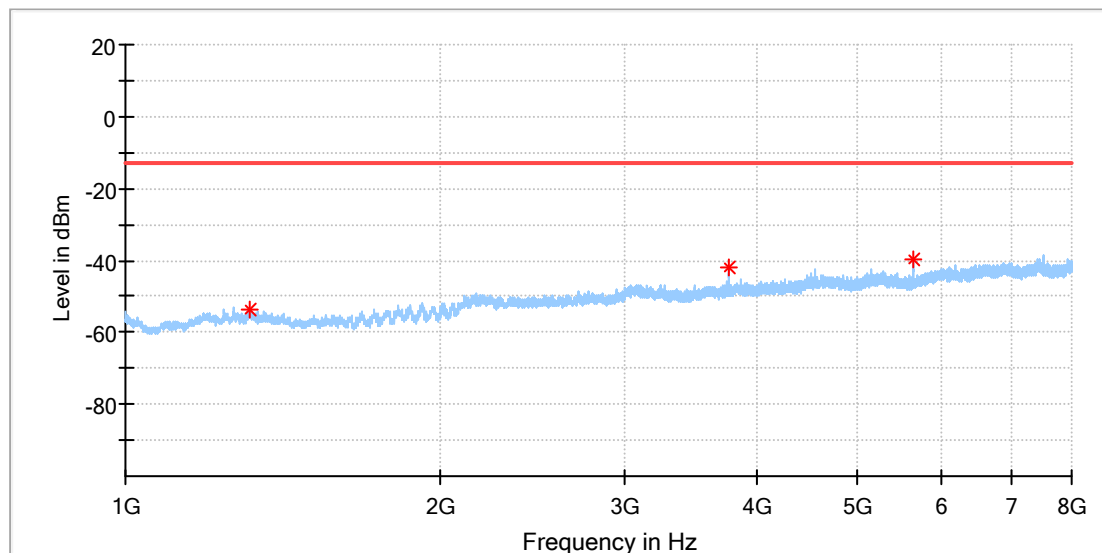


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.883750	-75.86	-13.00	62.86	100.0	V	343.0	-121.9
94.141250	-53.70	-13.00	40.70	100.0	V	242.0	-99.8
299.660000	-64.34	-13.00	51.34	100.0	V	195.0	-111.1
776.778750	-52.59	-13.00	39.59	100.0	V	330.0	-102.1

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

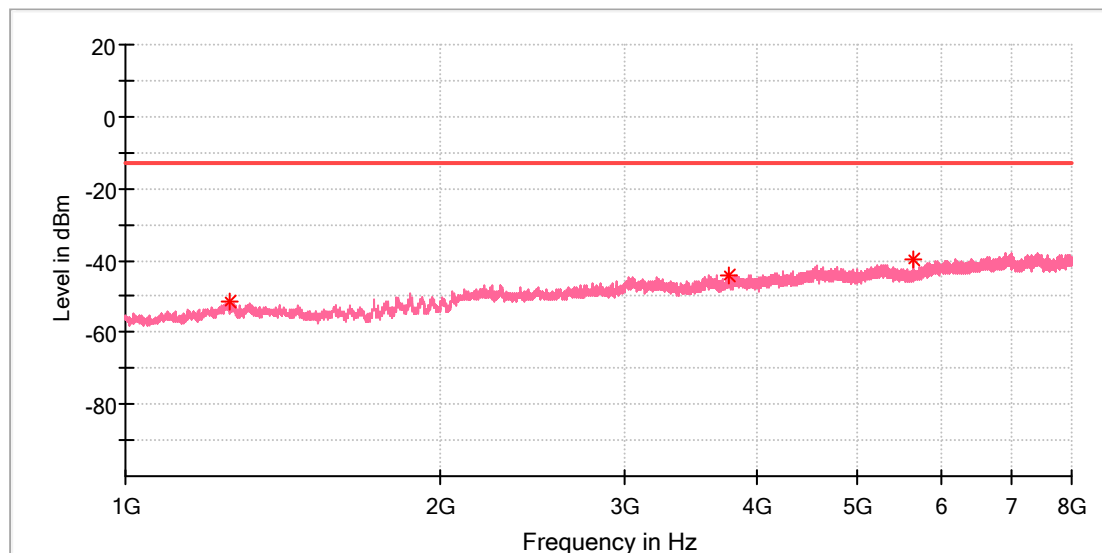


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1312.500000	-53.51	-13.00	40.51	150.0	H	135.0	-92.4
3759.000000	-41.81	-13.00	28.81	150.0	H	2.0	-85.4
5640.000000	-39.82	-13.00	26.82	150.0	H	139.0	-83.1

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

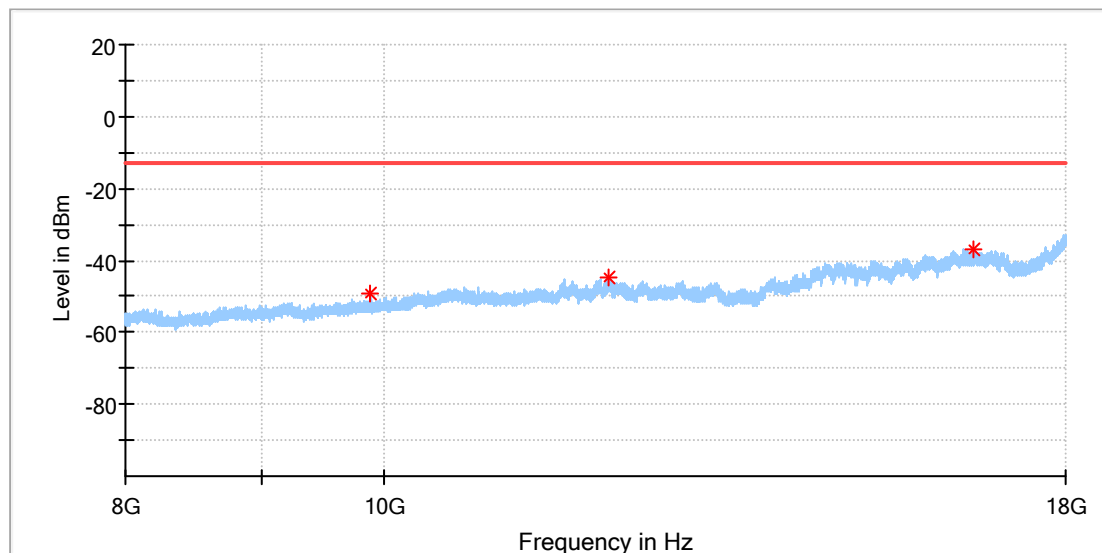


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1259.000000	-51.67	-13.00	38.67	150.0	V	192.0	-90.5
3758.500000	-43.93	-13.00	30.93	150.0	V	227.0	-83.1
5638.500000	-39.86	-13.00	26.86	150.0	V	108.0	-81.0

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 24
Tested By: Kei Zhang
Reviewed By: Terry Yin

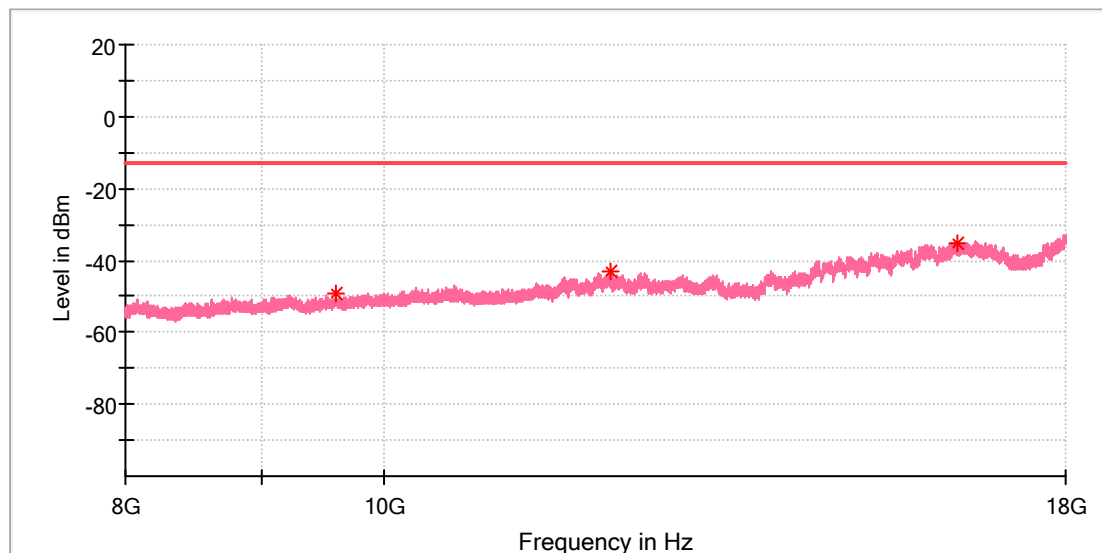


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9887.000000	-49.17	-13.00	36.17	150.0	H	230.0	-84.7
12146.000000	-44.50	-13.00	31.50	150.0	H	54.0	-79.7
16634.000000	-36.68	-13.00	23.68	150.0	H	34.0	-73.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 2_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



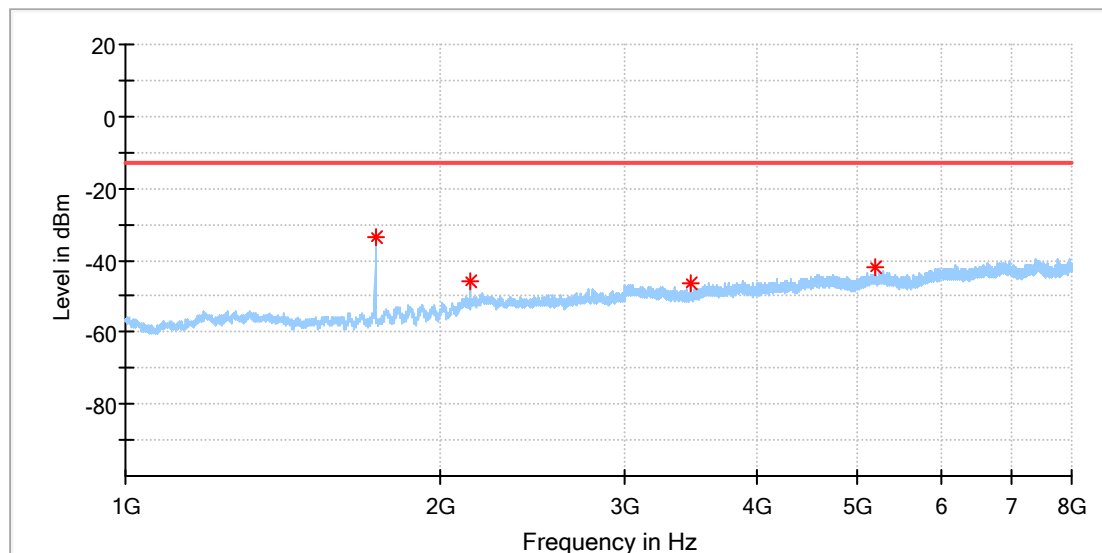
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9597.500000	-49.06	-13.00	36.06	150.0	V	52.0	-84.1
12155.500000	-43.23	-13.00	30.23	150.0	V	110.0	-77.9
16389.000000	-34.99	-13.00	21.99	150.0	V	52.0	-70.7

LTE Band 4

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 4_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

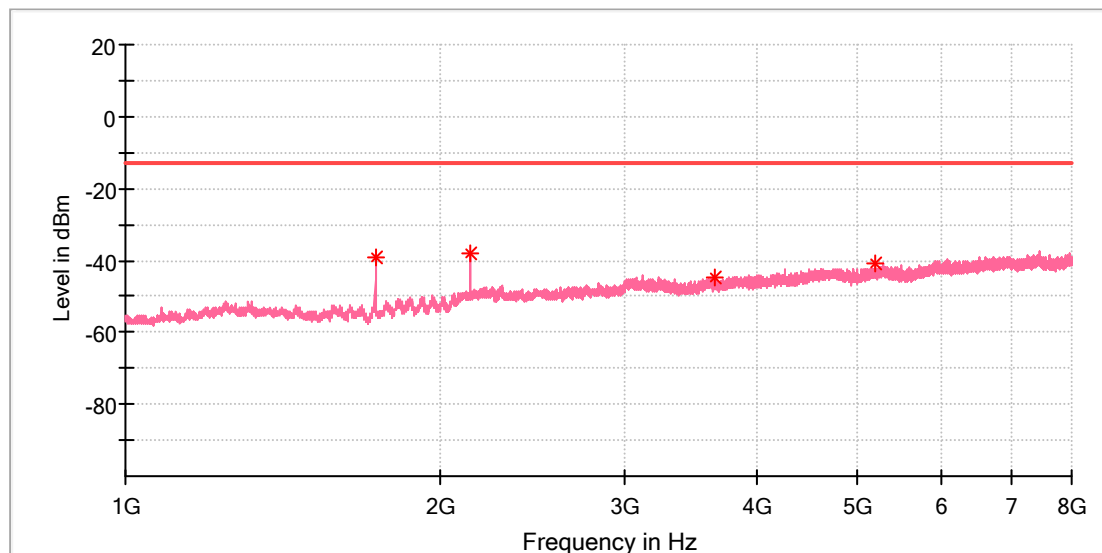


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1732.000000	-33.77	-13.00	20.77	150.0	H	203.0	-91.8
2132.500000	-45.81	-13.00	32.81	150.0	H	26.0	-88.8
3463.500000	-46.56	-13.00	33.56	150.0	H	271.0	-86.7
5196.000000	-41.82	-13.00	28.82	150.0	H	227.0	-82.2

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: LTE Band 4_1.4M_QPSK_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

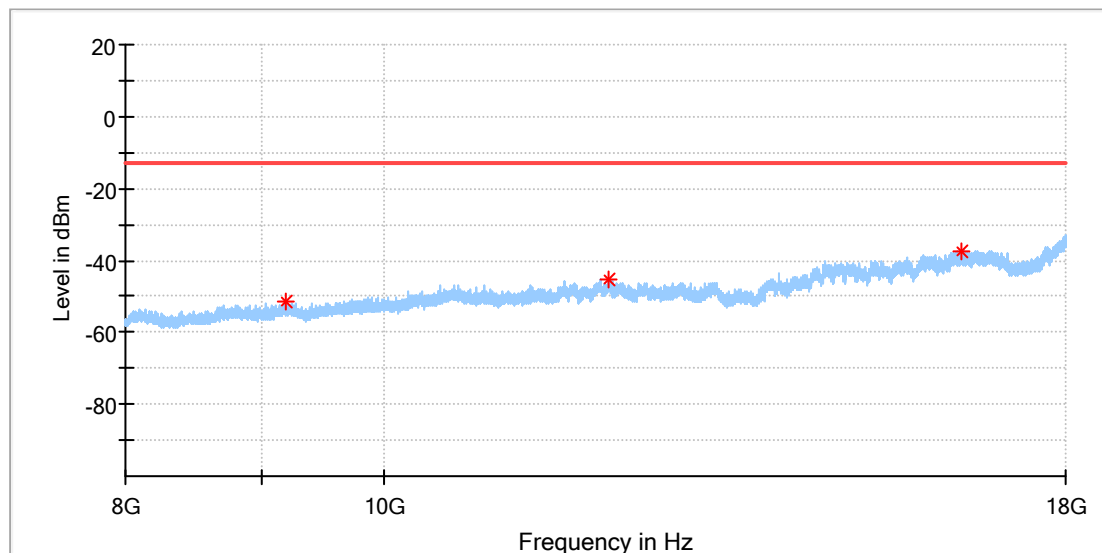


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1732.000000	-39.30	-13.00	26.30	150.0	V	208.0	-89.9
2133.000000	-38.26	-13.00	25.26	150.0	V	105.0	-86.6
3646.000000	-44.66	-13.00	31.66	150.0	V	80.0	-83.3
5196.000000	-41.03	-13.00	28.03	150.0	V	260.0	-80.3

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 4_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

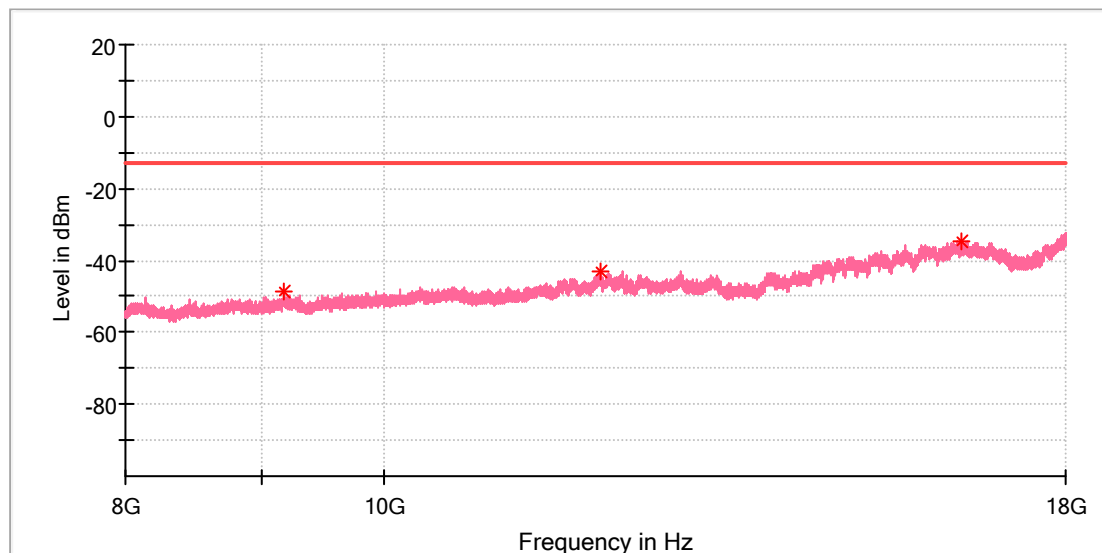


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9183.000000	-51.44	-13.00	38.44	150.0	H	27.0	-86.0
12131.500000	-45.37	-13.00	32.37	150.0	H	35.0	-80.0
16449.000000	-37.25	-13.00	24.25	150.0	H	0.0	-73.8

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: LTE Band 4_1.4M_QPSK_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



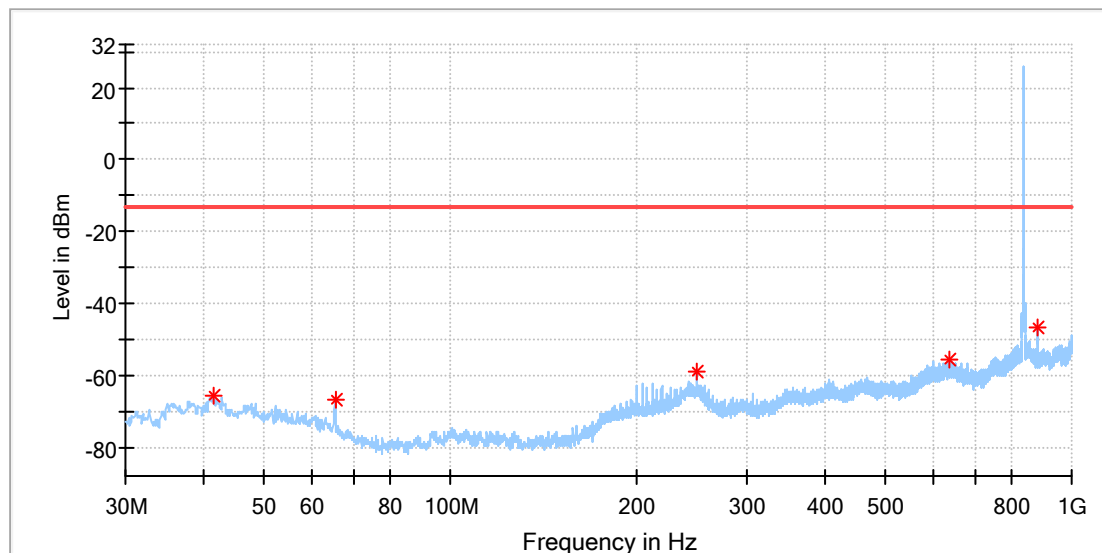
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9173.500000	-48.92	-13.00	35.92	150.0	V	80.0	-84.3
12050.000000	-42.97	-13.00	29.97	150.0	V	122.0	-77.6
16453.000000	-34.73	-13.00	21.73	150.0	V	183.0	-70.9

LTE Band 5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

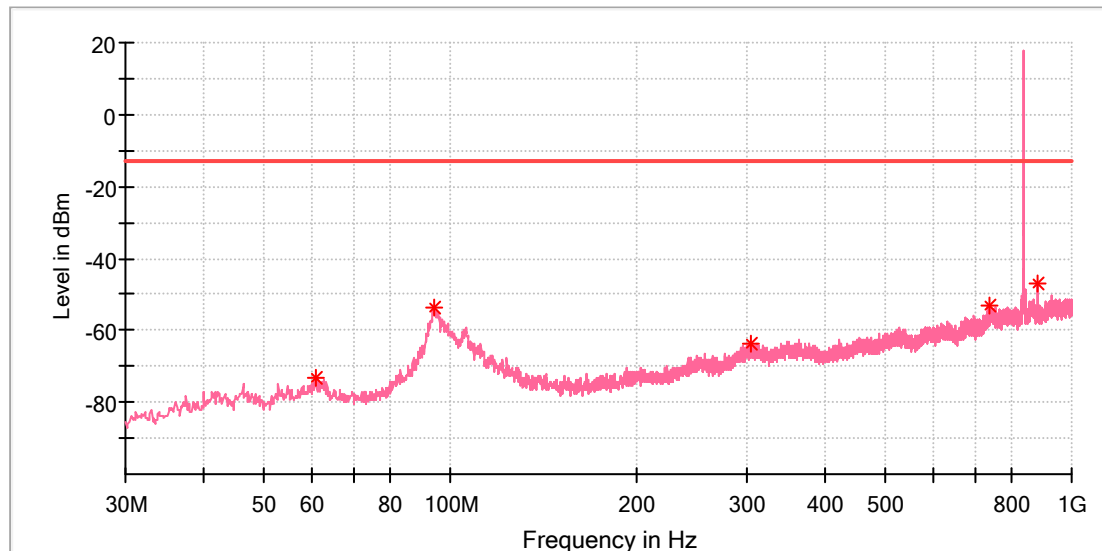


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.518750	-65.84	-13.00	52.84	100.0	H	262.0	-112.3
65.283750	-67.04	-13.00	54.04	100.0	H	256.0	-119.6
249.583750	-59.07	-13.00	46.07	100.0	H	284.0	-110.0
635.886250	-55.53	-13.00	42.53	100.0	H	54.0	-104.6
882.023750	-46.81	-13.00	33.81	100.0	H	304.0	-102.1

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

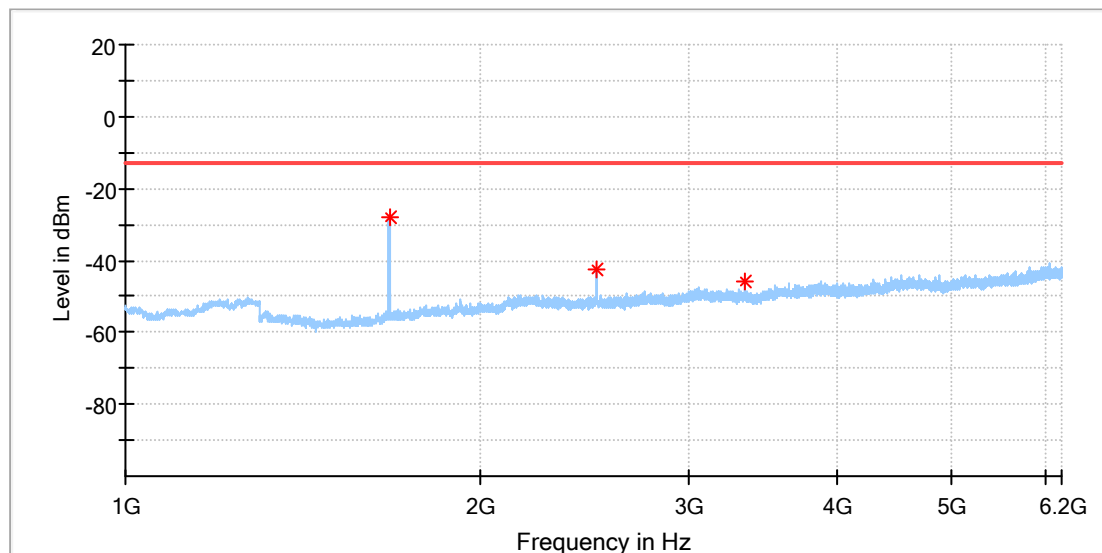


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
60.555000	-73.05	-13.00	60.05	100.0	V	125.0	-120.5
94.141250	-53.57	-13.00	40.57	100.0	V	214.0	-99.8
304.267500	-63.98	-13.00	50.98	100.0	V	327.0	-110.9
739.433750	-52.88	-13.00	39.88	100.0	V	40.0	-101.7
881.053750	-47.06	-13.00	34.06	100.0	V	241.0	-102.3

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

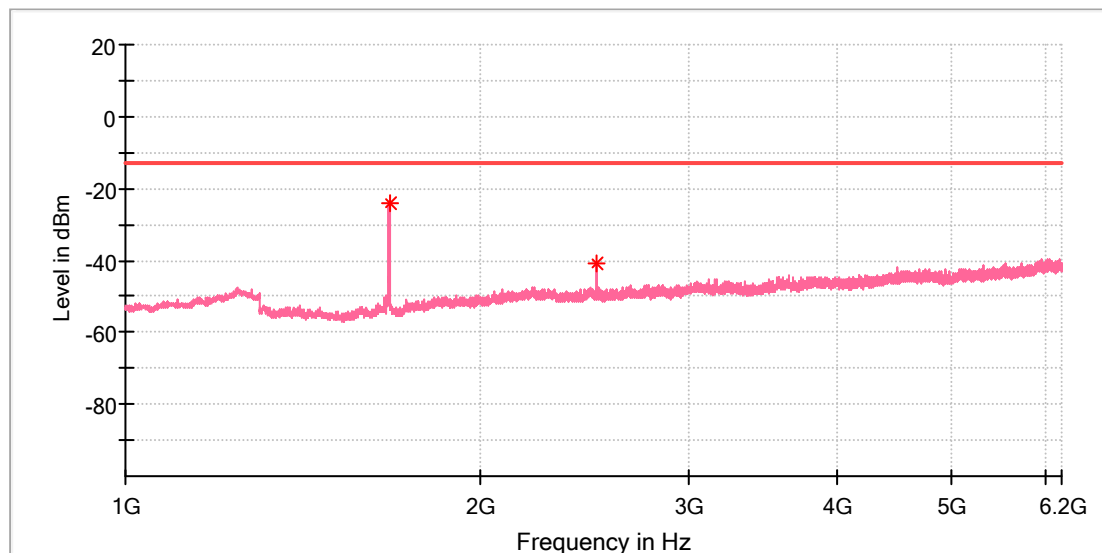


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1672.000000	-27.78	-13.00	14.78	150.0	H	145.0	-92.5
2508.500000	-42.46	-13.00	29.46	150.0	H	221.0	-88.6
3344.000000	-45.81	-13.00	32.81	150.0	H	93.0	-87.4

EUT Information

EUT Name: T-BOX
Model: CF-T12VNA08
Test Mode: LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No: 168538804/A003926364-006
Test Voltage: DC 13.5V From DC Source
Remark: Temp 24 Humi:50%
Test Standard: FCC Part 22
Tested By: Kei Zhang
Reviewed By: Terry Yin

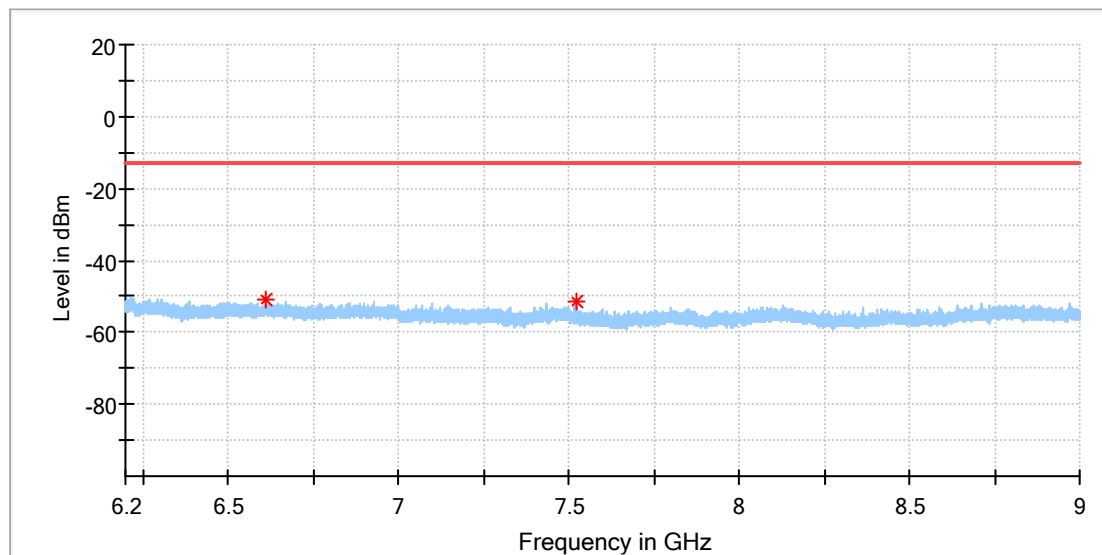


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1672.000000	-23.88	-13.00	10.88	150.0	V	191.0	-90.5
2508.000000	-40.67	-13.00	27.67	150.0	V	144.0	-86.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

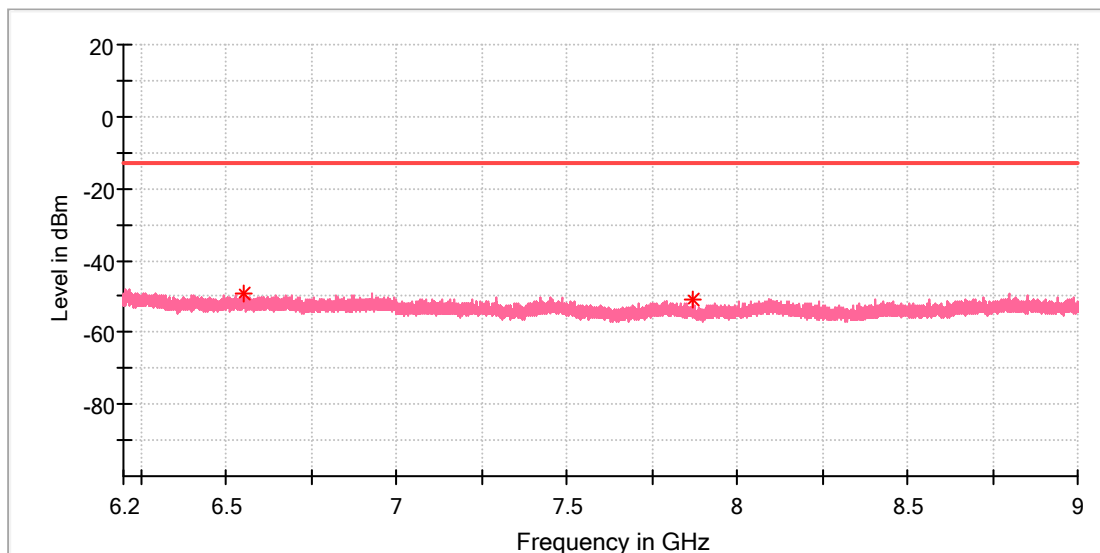


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6611.016667	-51.05	-13.00	38.05	150.0	H	3.0	-88.7
7523.933333	-51.22	-13.00	38.22	150.0	H	320.0	-88.5

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5_1.4M_QPSK_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



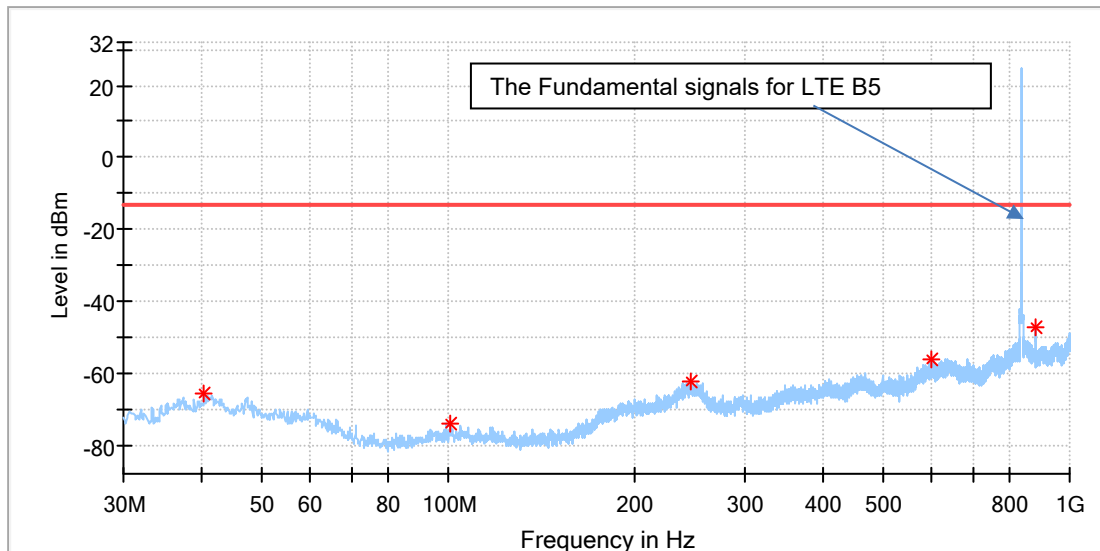
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6551.750000	-49.38	-13.00	36.38	150.0	V	141.0	-86.8
7871.366667	-50.85	-13.00	37.85	150.0	V	113.0	-86.9

Appendix A.4: Test Results of Field Strength of Spurious Radiation, Co-location

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

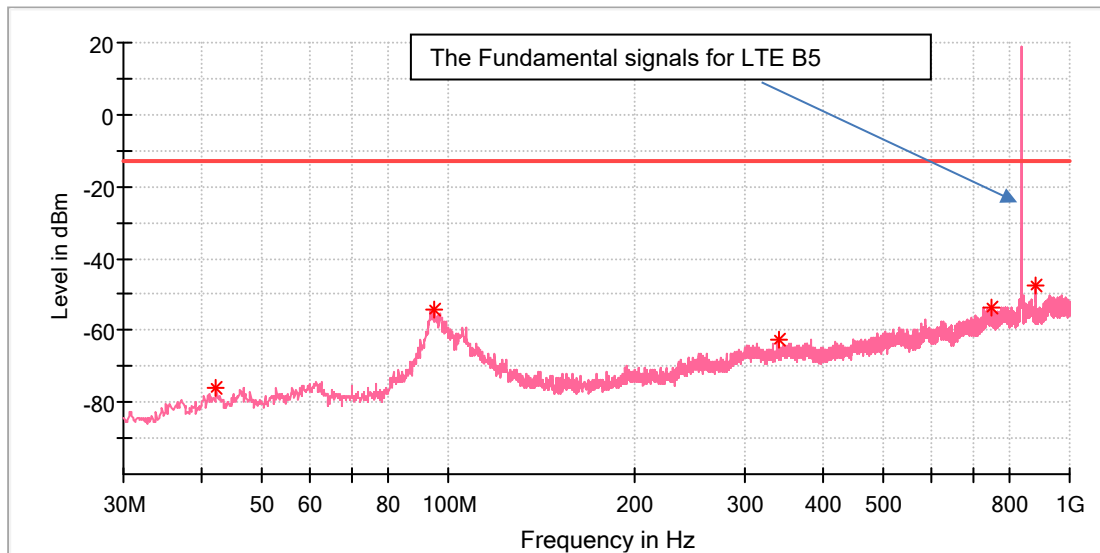


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.427500	-65.87	-13.00	52.87	100.0	H	159.0	-113.0
100.567500	-73.82	-13.00	60.82	100.0	H	219.0	-121.0
246.431250	-62.51	-13.00	49.51	100.0	H	159.0	-110.0
601.087500	-56.18	-13.00	43.18	100.0	H	219.0	-105.3
882.023750	-47.46	-13.00	34.46	100.0	H	10.0	-102.1

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

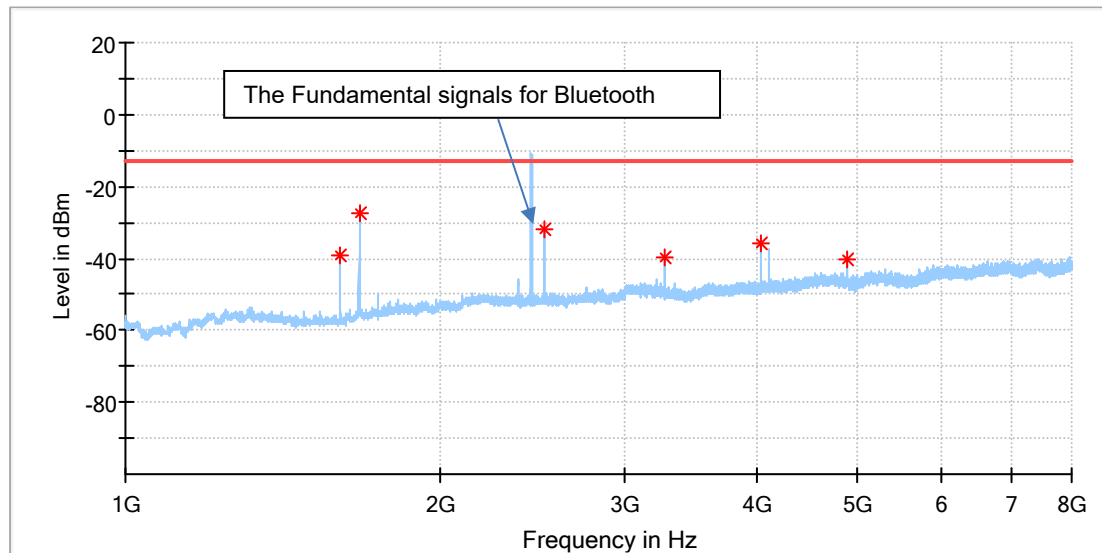


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.367500	-76.15	-13.00	63.15	100.0	V	358.0	-123.5
95.232500	-53.96	-13.00	40.96	100.0	V	80.0	-100.0
341.370000	-62.69	-13.00	49.69	100.0	V	121.0	-111.1
751.195000	-53.73	-13.00	40.73	100.0	V	358.0	-102.3
881.660000	-47.74	-13.00	34.74	100.0	V	225.0	-102.4

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

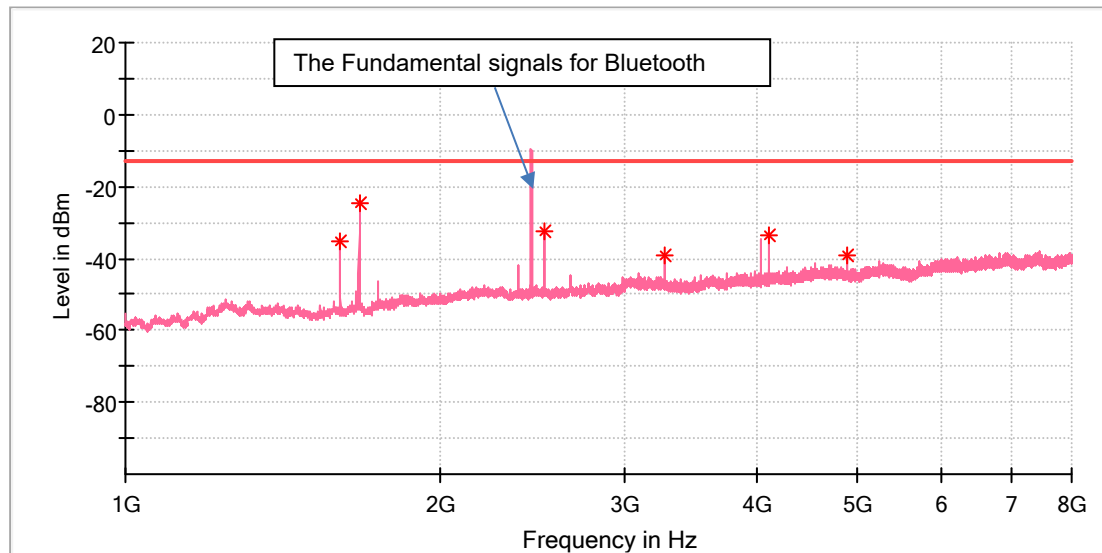


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1603.500000	-38.91	-13.00	25.91	150.0	H	158.0	-93.8
1672.000000	-27.18	-13.00	14.18	150.0	H	51.0	-92.5
2508.500000	-31.89	-13.00	18.89	150.0	H	269.0	-88.6
3276.000000	-39.99	-13.00	26.99	150.0	H	263.0	-86.3
4044.500000	-35.71	-13.00	22.71	150.0	H	165.0	-84.8
4879.500000	-40.11	-13.00	27.11	150.0	H	236.0	-83.4

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

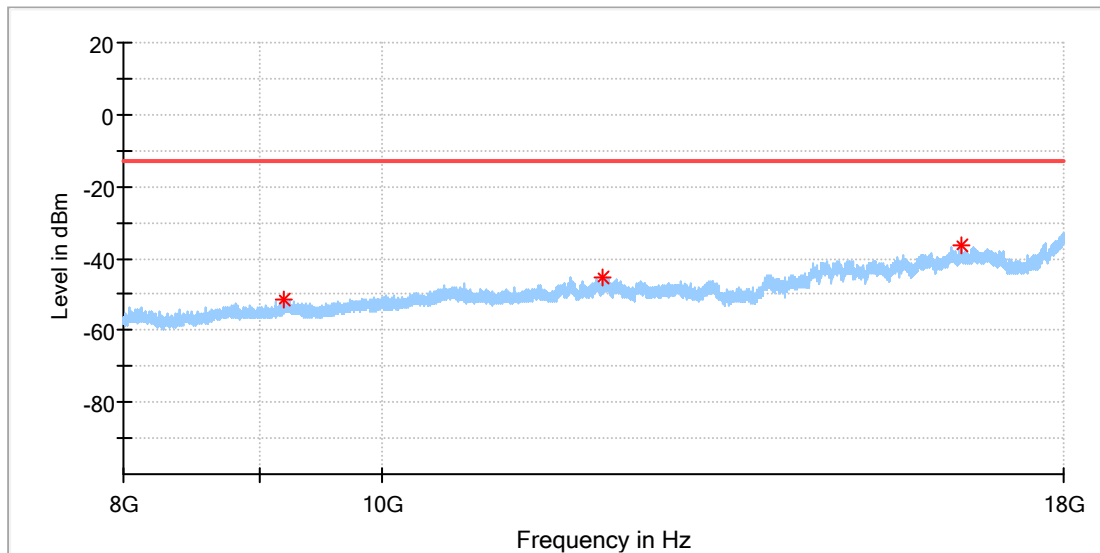


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1603.500000	-34.99	-13.00	21.99	150.0	V	304.0	-91.5
1672.000000	-24.62	-13.00	11.62	150.0	V	354.0	-90.5
2508.500000	-32.42	-13.00	19.42	150.0	V	51.0	-86.5
3275.500000	-39.12	-13.00	26.12	150.0	V	72.0	-84.2
4112.000000	-33.77	-13.00	20.77	150.0	V	162.0	-82.9
4880.500000	-39.11	-13.00	26.11	150.0	V	218.0	-81.2

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
Remark:	Temp 24 Humi:50%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

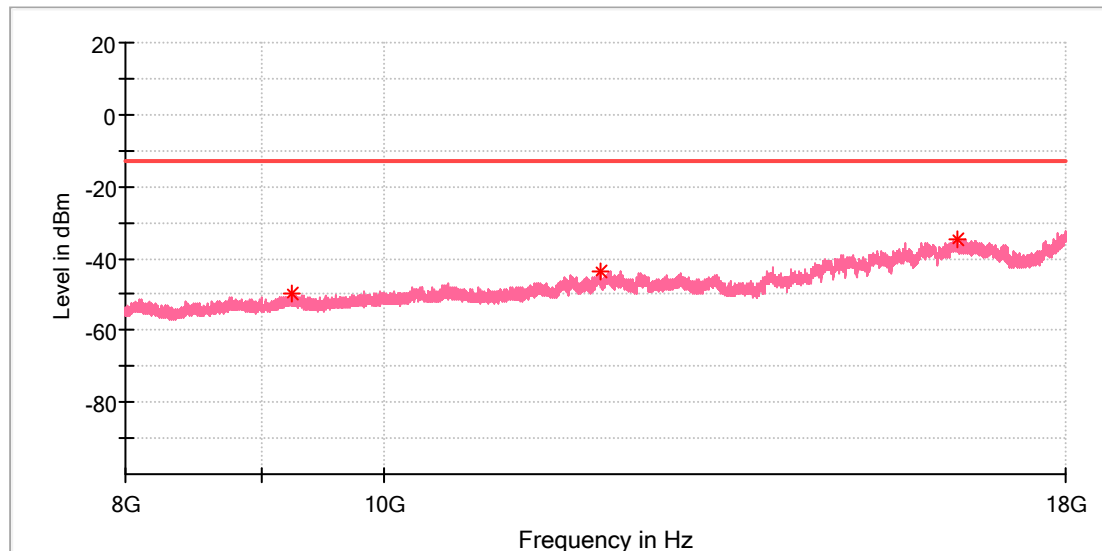


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9188.000000	-51.41	-13.00	38.41	150.0	H	135.0	-86.0
12096.000000	-45.47	-13.00	32.47	150.0	H	262.0	-80.8
16482.500000	-36.56	-13.00	23.56	150.0	H	193.0	-73.6

EUT Information

EUT Name:	T-BOX
Model:	CF-T12VNA08
Test Mode:	LTE Band 5+BLE 1M_Mid channel
Order No/Sample No:	168538804/A003926364-006
Test Voltage:	DC 13.5V From DC Source
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Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
9235.500000	-49.56	-13.00	36.56	150.0	V	342.0	-83.8
12044.500000	-43.67	-13.00	30.67	150.0	V	66.0	-77.7
16392.500000	-34.57	-13.00	21.57	150.0	V	227.0	-70.7