FCC RADIO TEST REPORT

FCC ID	:	**B94HNI61KLR**
Equipment	:	**Notebook Computer**
Brand Name	:	**HP**
Model Name	:	**HSN-I61C**
Applicant	:	**HP Inc.** **1501 Page Mill Road, Palo Alto CA 94304 USA**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27(L)**

The product was received on Sep. 09, 2024 and testing was performed from Sep. 20, 2024 to Oct. 15, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG490504A	01	Initial issue of report	Nov. 20, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5)	Effective Radiated Power (WCDMA Band V)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (WCDMA Band II)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (WCDMA Band IV)		
-	§24.232 (d)	Peak-to-Average Ratio	Pass	See Note
-	§2.1049 §22.917 (b) §24.238 (b) §27.53 (g)	Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g)	Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	See Note
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	See Note
4.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV)	Pass	48.36 dB under the limit at 7520.00 MHz

Remark:

1. For host device, Field Strength of Spurious Radiation, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
2. For host device, the Conducted Output Power is no difference after compared to module (Model: RW350R-GL)

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Rebecca Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11ax/be, NFC, and GNSS
Sample 1	Host with Vendor 2 Antenna
Sample 2	Host with Vendor 1 Antenna
Integrated WWAN Module	Brand Name: Rolling Wireless Model Name: RW350R-GL FCC ID: 2AX2URW350RGL
Integrated WLAN Module	Brand Name: Intel Model Name: BE201NGW FCC ID: PD9BE201NG
Integrated NFC Module	Brand Name: WNC Model Name: XRAV-1 FCC ID: NKR-XRAV1
Antenna Type	WWAN: PIFA Antenna WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

WWAN Antenna Information for Notebook Mode				
Antenna 5	**Brand Name**	Vendor 1	**Peak gain (dBi)**	WCDMA Band V: 0.71
	Part number	6036B0361401 (00-350270155N)	**Type**	PIFA
	Brand Name	Vendor 2	**Peak gain (dBi)**	WCDMA Band V: -2.74
	Part number	6036B0361301 (81ELBF15.G04)	**Type**	PIFA
Antenna 8	**Brand Name**	Vendor 1	**Peak gain (dBi)**	WCDMA Band II: 0.86 WCDMA Band IV: 1.26
	Part number	6036B0361401 (00-350270155N)	**Type**	PIFA
	Brand Name	Vendor 2	**Peak gain (dBi)**	WCDMA Band II: -0.04 WCDMA Band IV: -0.15
	Part number	6036B0361301 (81ELBF15.G04)	**Type**	PIFA

WWAN Antenna Information for Tablet Mode				
Antenna 5	**Brand Name**	Vendor 1	**Peak gain (dBi)**	WCDMA Band V: -3.33
	Part number	6036B0361401 (00-350270155N)	**Type**	PIFA
	Brand Name	Vendor 2	**Peak gain (dBi)**	WCDMA Band V: -4.14
	Part number	6036B0361301 (81ELBF15.G04)	**Type**	PIFA
Antenna 8	**Brand Name**	Vendor 1	**Peak gain (dBi)**	WCDMA Band II: -1.36 WCDMA Band IV: -0.69
	Part number	6036B0361401 (00-350270155N)	**Type**	PIFA
	Brand Name	Vendor 2	**Peak gain (dBi)**	WCDMA Band II: -2.76 WCDMA Band IV: -1.45
	Part number	6036B0361301 (81ELBF15.G04)	**Type**	PIFA

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Yuki Chen
Temperature (℃)	22.3~23.5
Relative Humidity (%)	52.3~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY (TAF Code: 3786)
Test Engineer	Sam Pan, Quentin Liu, and Bigshow Wang
Temperature (℃)	22.0~23.5
Relative Humidity (%)	50~59
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26-2015
- FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape)) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Radiated emissions were investigated as following frequency range:

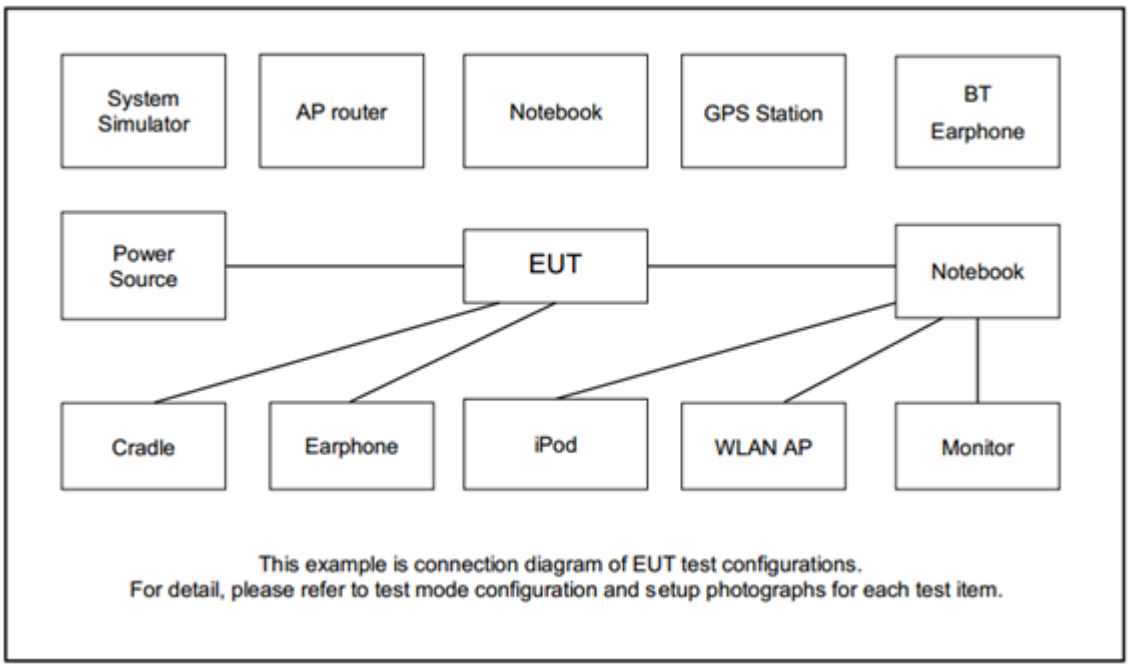
1. 30 MHz to 9000 MHz for WCDMA Band V
2. 30 MHz to 18000 MHz for WCDMA Band IV
3. 30 MHz to 19100 MHz for WCDMA Band II

All modes, data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	**Radiated TCs**	**Conducted TCs**
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Shielded, 1.2 m	N/A

2.4 Frequency List of Low/Middle/High Channels

Frequency List				
Band	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

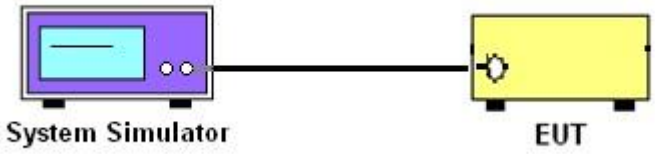
3 Conducted Test Result

3.1 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port is connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select the lowest, middle, and the highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

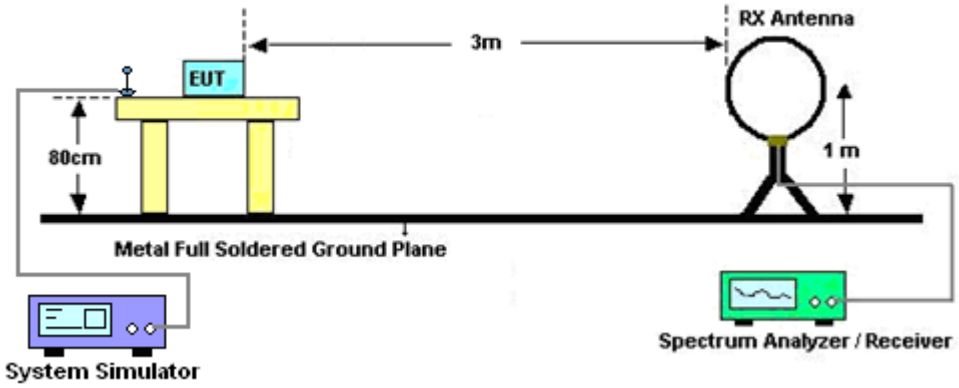
4 Radiated Test Items

4.1 Measuring Instruments

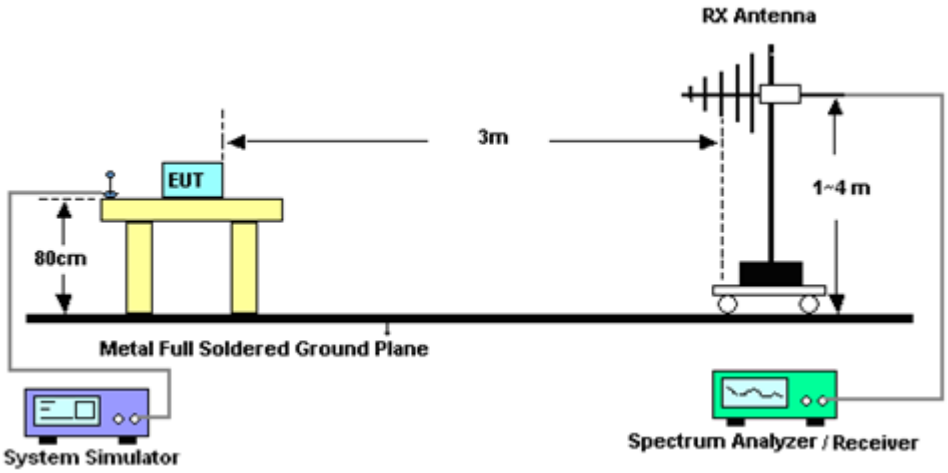
Please refer to the measuring equipment list in this test report.

4.2 Test Setup

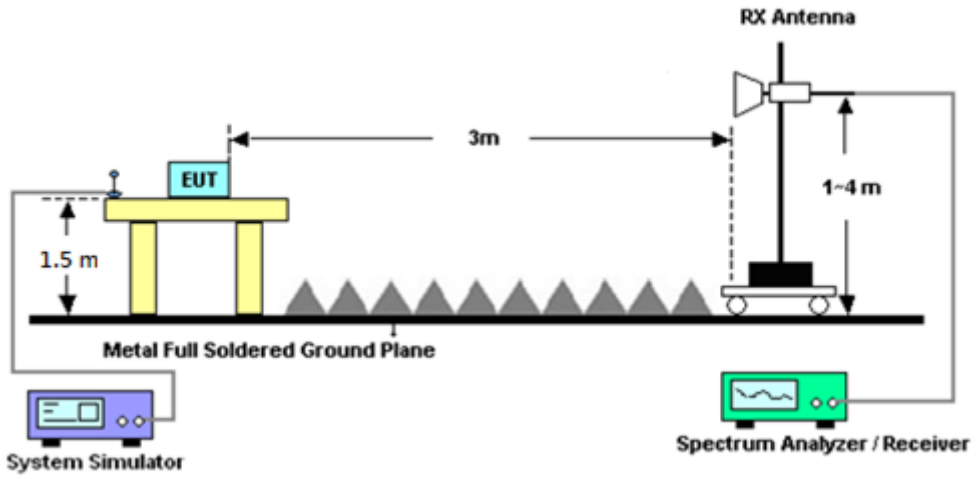
For radiated test below 30MHz



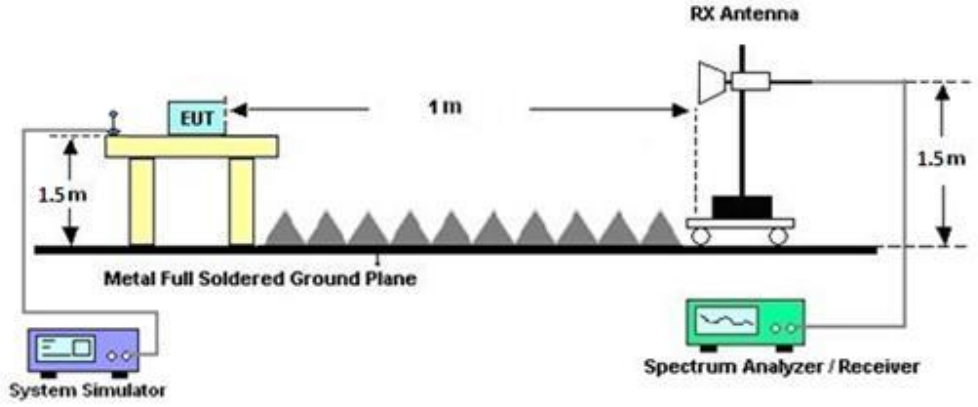
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT is placed on a rotatable wooden table 0.8 meters for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz above the ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the antenna tower.
3. The table is rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1 MHz, VBW = 3 MHz, taking record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,
   where d is the distance at which filed strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency shall be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 03, 2023	Sep. 20, 2024~ Oct. 01, 2024	Oct. 02, 2024	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Oct. 02, 2024~ Oct. 15, 2024	Sep. 30, 2025	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+SF L405_1.5M	#A+#1+#1+#7	1-18GHz	Jan. 02, 2024	Sep. 20, 2024~ Oct. 15, 2024	Jan. 01, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Sep. 20, 2024~ Oct. 15, 2024	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	-10 ~ 50°C / 20 ~ 95%RH	Jun. 05, 2024	Sep. 20, 2024~ Oct. 15, 2024	Jun. 04, 2025	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Sep. 25, 2024~ Sep. 29, 2024	Feb. 22, 2025	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	Sep. 25, 2024~ Sep. 29, 2024	Feb. 03, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 20, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 19, 2025	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 23, 2025	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 25, 2023	Sep. 25, 2024~ Sep. 29, 2024	Dec. 24, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 15, 2024	Sep. 25, 2024~ Sep. 29, 2024	Feb. 14, 2025	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 29, 2024	Sep. 25, 2024~ Sep. 29, 2024	Feb. 28, 2025	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Sep. 25, 2024~ Sep. 29, 2024	May 26, 2025	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 11, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jul. 10, 2025	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 25, 2024~ Sep. 29, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 25, 2024~ Sep. 29, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	Sep. 25, 2024~ Sep. 29, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4,519228/2,803950/2	N/A	Jun. 11, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 10, 2025	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40G	Jan. 02, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	3GHz High Pass Filter	Jun. 05, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 05, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 10, 2024	Sep. 25, 2024~ Sep. 29, 2024	Sep. 09, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1530-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 05, 2024	Sep. 25, 2024~ Sep. 29, 2024	Jun. 04, 2025	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Aug. 29, 2024	Sep. 25, 2024~ Sep. 29, 2024	Aug. 28, 2025	Radiation (03CH15-HY)

6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.02 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.57 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.97 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) & ERP / EIRP

<Ant. 5>

WCDMA Band V Maximum Average Power [dBm] (GT - LC = 0.71 dB)					
Channel	4132	4182	4233	ERP (dBm)	ERP (W)
Frequency	826.4	836.4	846.6		
RMC 12.2K	23.40	**23.41**	23.30	21.97	0.1574
HSDPA Subtest-1	23.38	23.36	23.28		
HSDPA Subtest-2	23.37	23.33	23.25		
HSDPA Subtest-3	22.87	22.74	22.77		
HSDPA Subtest-4	22.86	22.71	22.74		
HSUPA Subtest-1	20.81	20.83	20.80		
HSUPA Subtest-2	20.28	20.35	20.27		
HSUPA Subtest-3	21.34	21.49	21.26		
HSUPA Subtest-4	20.33	20.32	20.25		
HSUPA Subtest-5	22.30	22.40	22.20		
Limit	ERP < 7W			Result	Pass

<Ant. 8>

WCDMA Band II Maximum Average Power [dBm] (GT - LC = 0.86 dB)					
Channel	9262	9400	9538	EIRP (dBm)	EIRP (W)
Frequency	1852.4	1880	1907.6		
RMC 12.2K	23.37	**23.53**	23.43	24.39	0.2748
HSDPA Subtest-1	23.39	23.52	23.51		
HSDPA Subtest-2	23.38	23.40	23.44		
HSDPA Subtest-3	22.90	22.91	22.98		
HSDPA Subtest-4	22.87	22.87	22.93		
HSUPA Subtest-1	20.86	20.85	20.45		
HSUPA Subtest-2	20.37	20.40	20.46		
HSUPA Subtest-3	21.34	21.41	21.48		
HSUPA Subtest-4	20.37	20.43	20.47		
HSUPA Subtest-5	22.30	22.53	22.40		
Limit	EIRP < 2W			Result	Pass

WCDMA Band IV Maximum Average Power [dBm] (GT - LC = 1.26 dB)					
Channel	1312	1413	1513	EIRP (dBm)	EIRP (W)
Frequency	1712.4	1732.6	1752.6		
RMC 12.2K	23.06	**23.08**	22.85	24.34	0.2716
HSDPA Subtest-1	23.03	23.07	22.79		
HSDPA Subtest-2	23.04	22.87	22.78		
HSDPA Subtest-3	22.58	22.39	22.26		
HSDPA Subtest-4	22.55	22.38	22.24		
HSUPA Subtest-1	20.06	20.19	19.78		
HSUPA Subtest-2	20.07	20.11	19.79		
HSUPA Subtest-3	21.02	20.86	20.74		
HSUPA Subtest-4	20.07	20.21	19.77		
HSUPA Subtest-5	22.00	22.08	21.70		
Limit	EIRP < 1W			Result	Pass

Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

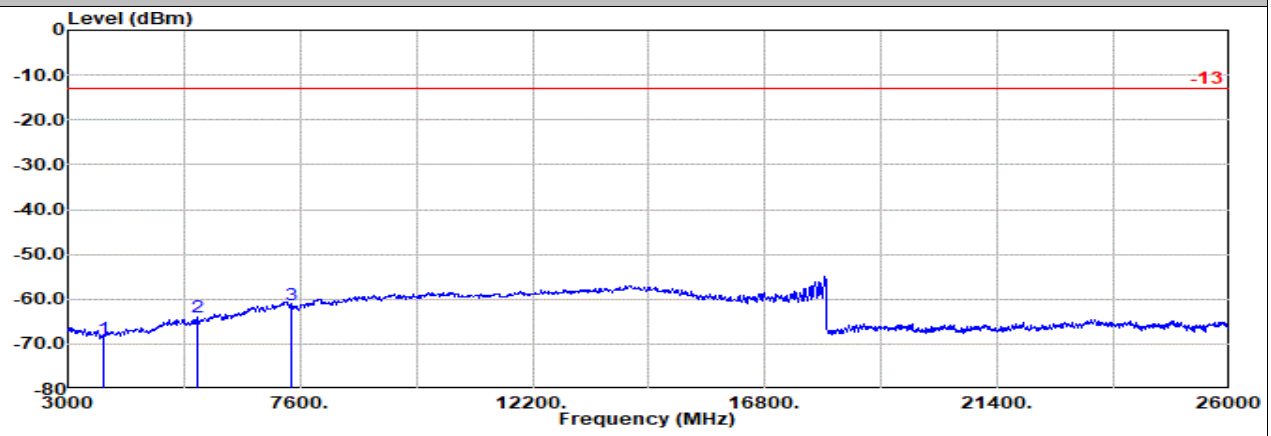
<Sample 2>

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
4	Part 24E	WCDMA B2	M	7520	-61.36	RMS	36.16	-49.90	0.18	-95.23	47.43	-13.00	-48.36	V	8

Ant 8

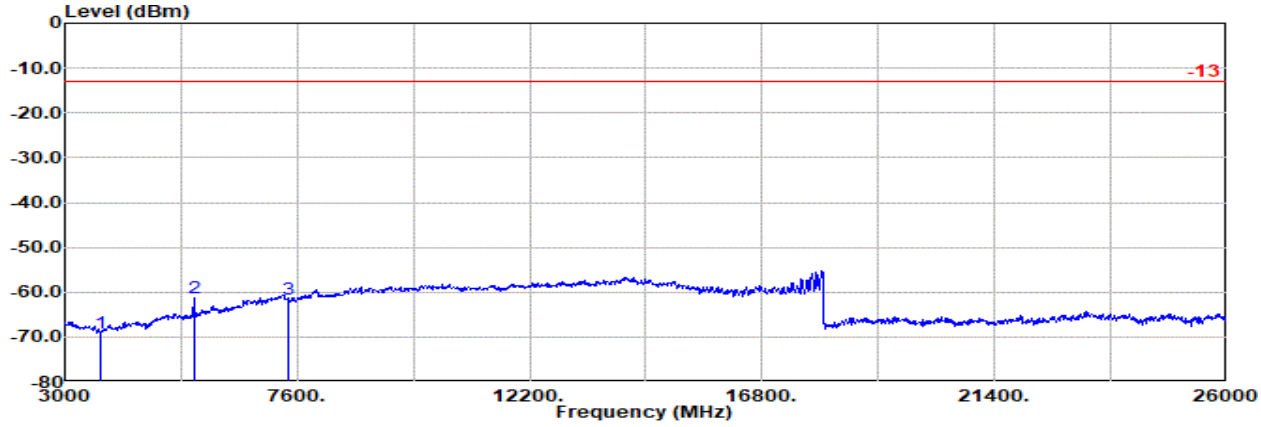
Worst plane: TB (Y) with accessory

Part 24E Mode 4
WCDMA B2 Ch9262
L



Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal
Mode : WCDMA Band II Ch9262

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3709.50	-68.88	RMS	29.88	-52.08	0.80	-95.23	47.75	-13.00	-55.88	Horizontal
2	5557.20	-63.90	RMS	33.00	-50.53	0.35	-95.23	48.51	-13.00	-50.90	Horizontal
3	7409.60	-61.42	RMS	36.38	-49.84	0.26	-95.23	47.01	-13.00	-48.42	Horizontal



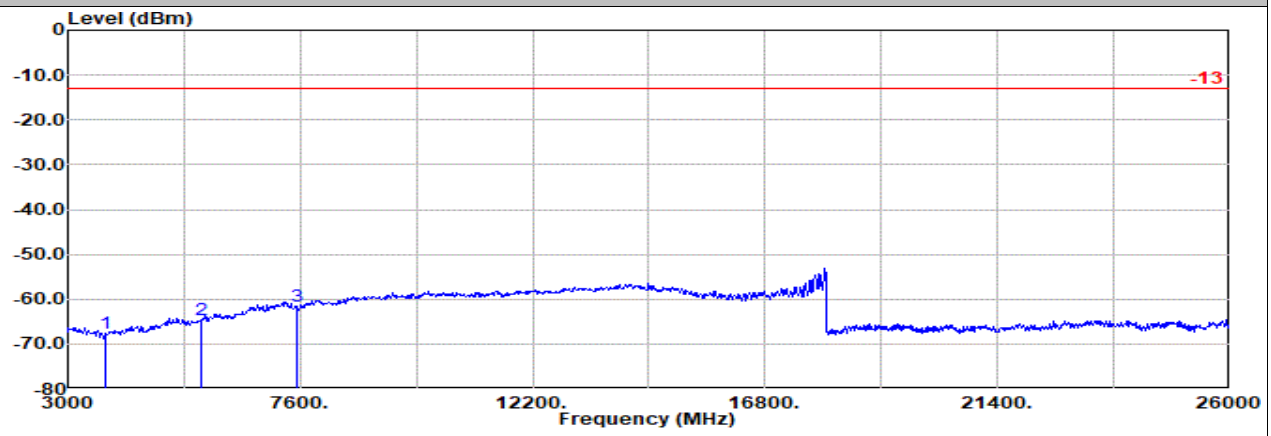
Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical
Mode : WCDMA Band II Ch9262

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3704.80	-69.11	RMS	29.84	-52.09	0.80	-95.23	47.57	-13.00	-56.11	Vertical
2	5557.50	-61.38	RMS	33.00	-50.53	0.35	-95.23	51.03	-13.00	-48.38	Vertical
3	7405.50	-61.51	RMS	36.39	-49.84	0.27	-95.23	46.90	-13.00	-48.51	Vertical

Ant 8

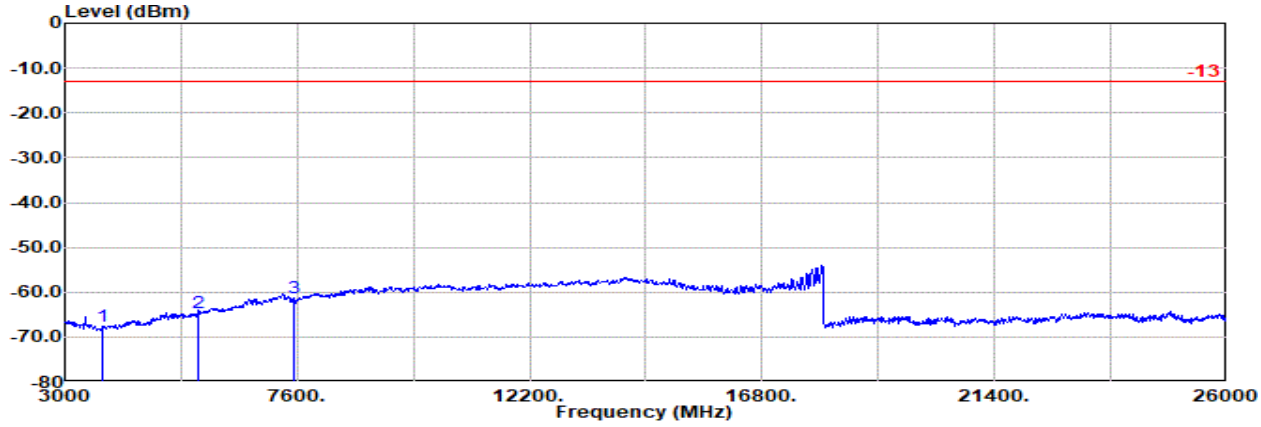
Worst plane: TB (Y) with accessory

Part 24E Mode 4
WCDMA B2 Ch9400
M



Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal
Mode : WCDMA Band II Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3760.00	-67.71	RMS	30.26	-52.02	0.73	-95.23	48.55	-13.00	-54.71	Horizontal
2	5640.00	-64.67	RMS	33.24	-50.47	0.33	-95.23	47.46	-13.00	-51.67	Horizontal
3	7521.00	-61.51	RMS	36.16	-49.90	0.18	-95.23	47.28	-13.00	-48.51	Horizontal



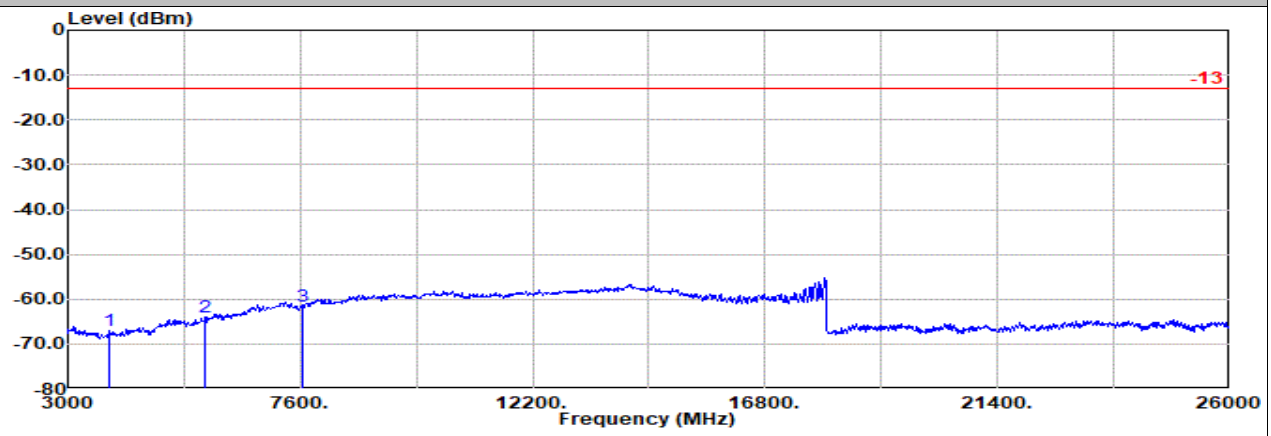
Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical
Mode : WCDMA Band II Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3759.00	-67.72	RMS	30.25	-52.02	0.73	-95.23	48.55	-13.00	-54.72	Vertical
2	5640.00	-64.67	RMS	33.24	-50.47	0.33	-95.23	47.46	-13.00	-51.67	Vertical
3	7520.00	-61.36	RMS	36.16	-49.90	0.18	-95.23	47.43	-13.00	-48.36	Vertical

Ant 8

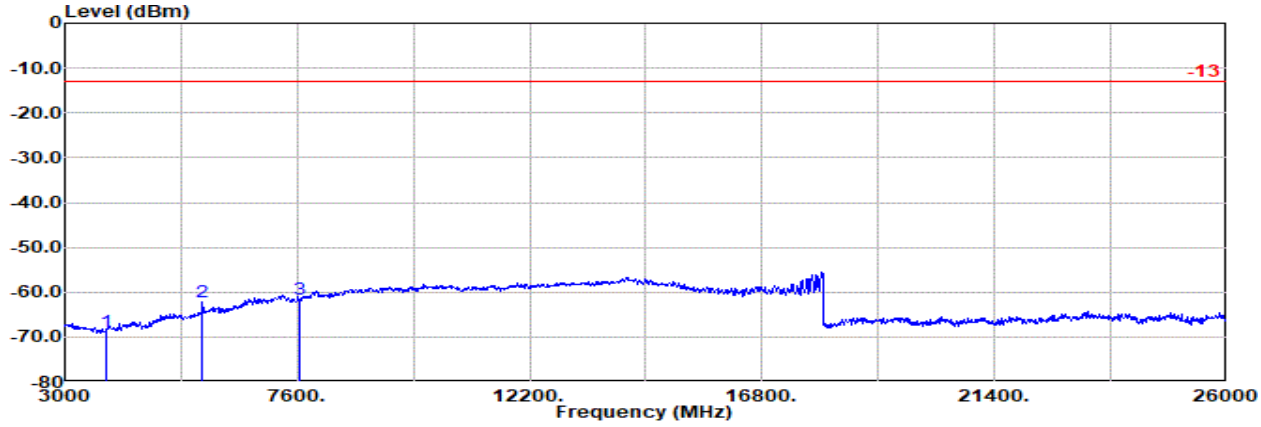
Worst plane: TB (Y) with accessory

Part 24E Mode 4
WCDMA B2 Ch9538
H



Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal
Mode : WCDMA Band II Ch9538

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3808.50	-67.14	RMS	30.57	-51.97	0.68	-95.23	48.81	-13.00	-54.14	Horizontal
2	5722.00	-64.06	RMS	33.74	-50.36	0.31	-95.23	47.48	-13.00	-51.06	Horizontal
3	7630.00	-61.47	RMS	36.32	-49.89	0.15	-95.23	47.18	-13.00	-48.47	Horizontal



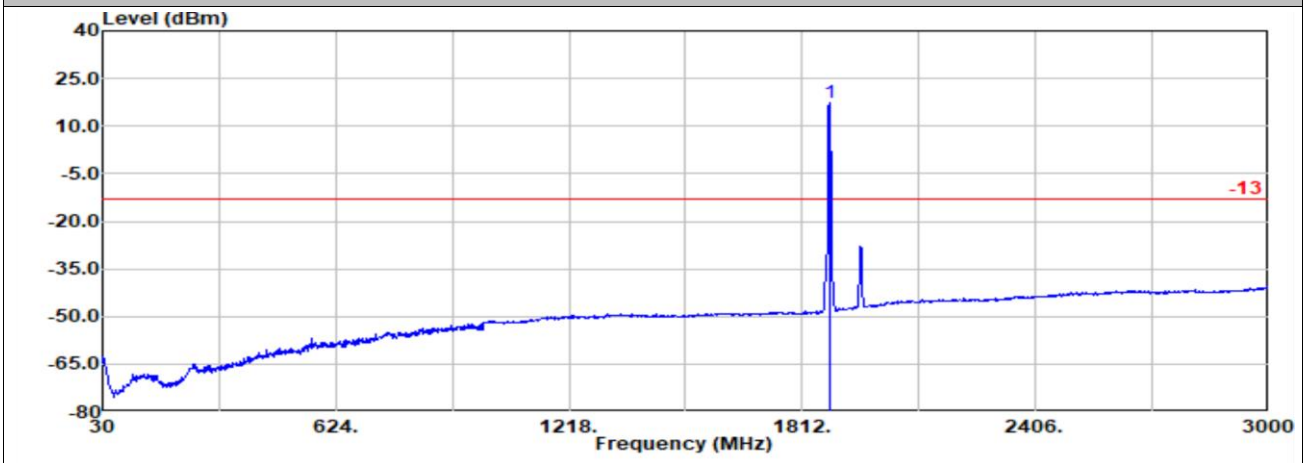
Site : 03CH15-HY
Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical
Mode : WCDMA Band II Ch9538

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3815.00	-68.69	RMS	30.62	-51.96	0.68	-95.23	47.20	-13.00	-55.69	Vertical
2	5722.00	-62.19	RMS	33.74	-50.36	0.31	-95.23	49.35	-13.00	-49.19	Vertical
3	7636.50	-61.49	RMS	36.35	-49.89	0.16	-95.23	47.12	-13.00	-48.49	Vertical

Ant 8

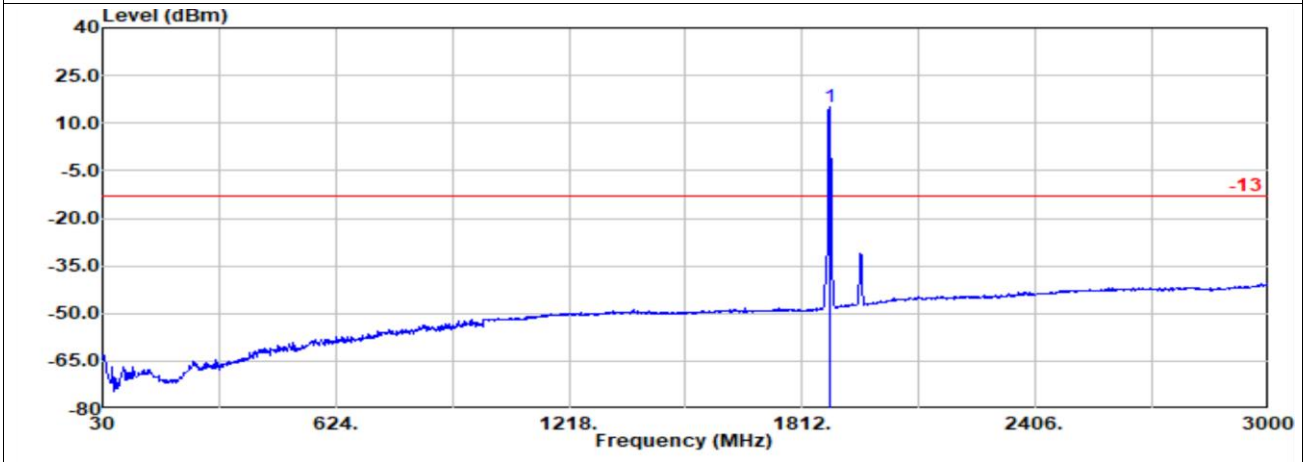
Worst plane: TB (Y) with accessory

Part 24E Mode 4
WCDMA B2 Ch9400
M



Site : 03CH15-HY
Condition: -13 3m CBL 6111D & 00800N1D01N-06_41912&05 Horizontal
Mode : WCDMA Band II Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1880.00	17.27	RMS	--	5.00	0.00	-95.23	0.00	-13.00	30.27	Horizontal



Site : 03CH15-HY
Condition: -13 3m CBL 6111D & 00800N1D01N-06_41912&05 Vertical
Mode : WCDMA Band II Ch9400

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1880.00	15.08	RMS	--	5.00	0.00	-95.23	605.31	-13.00	28.08	Vertical

Remark: #1 is fundamental signal which can be ignored.