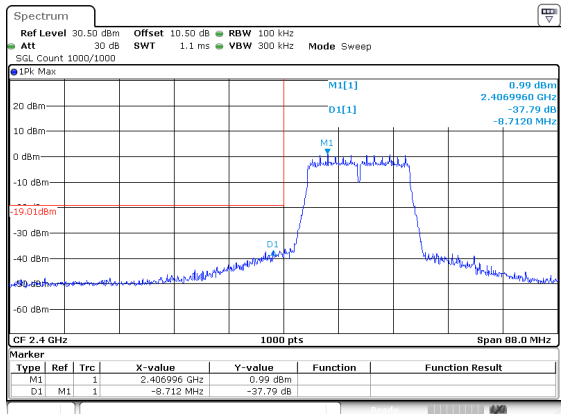


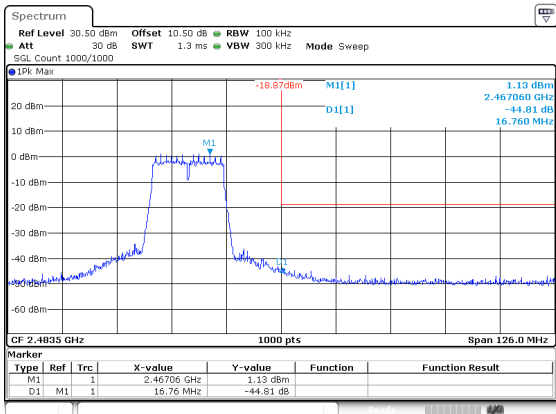
Chain 1

802.11g_2412MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:37:41

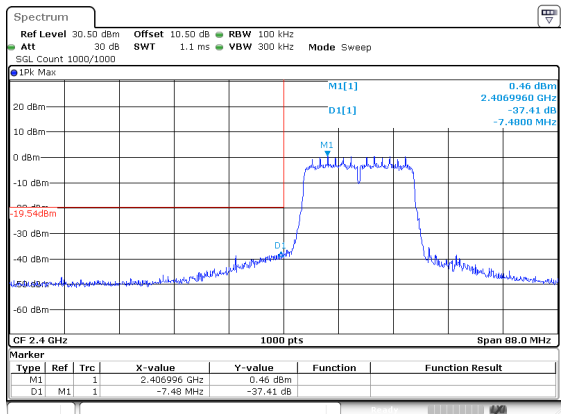
802.11g_2462MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:46:15

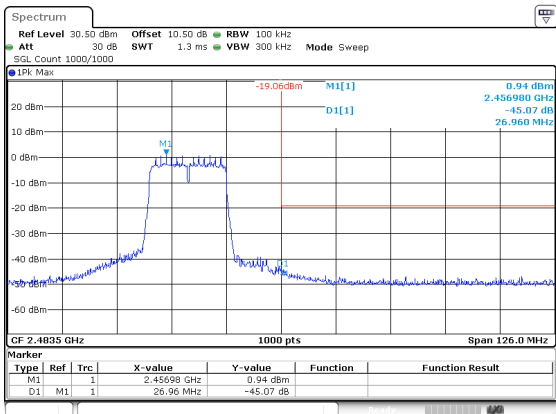
Chain 0

802.11n20_2412MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:50:46

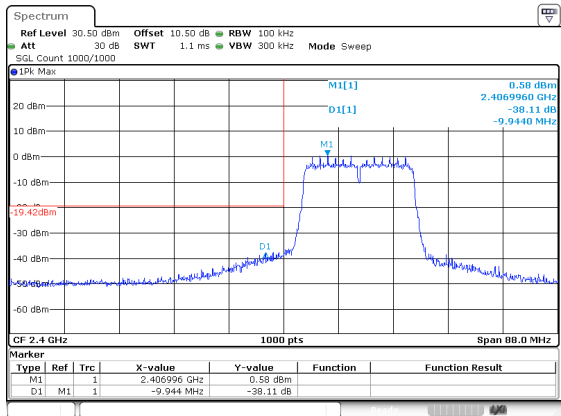
802.11n20_2462MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:00:22

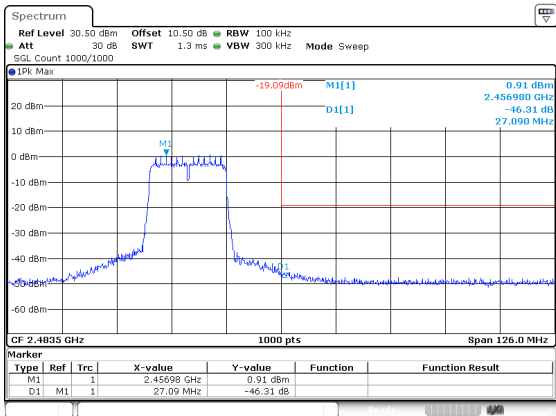
Chain 1

802.11n20_2412MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:50:37

802.11n20_2462MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:59:51

Duty Cycle**Test Information:**

Sample No.:	37BC-1	Test Date:	2025/08/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

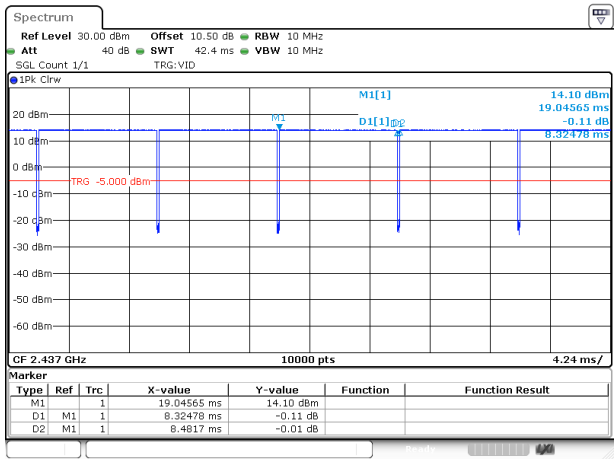
Temperature: (°C)	27.4	Relative Humidity: (%)	50	ATM Pressure: (kPa)	100.1
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Test Data:

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	Chain 0	2437	8.325	8.482	98.15	/	/	0.010
802.11g	Chain 0	2437	1.364	1.405	97.08	0.13	733	1
802.11n20	Chain 0	2437	1.274	1.316	96.81	0.14	785	1

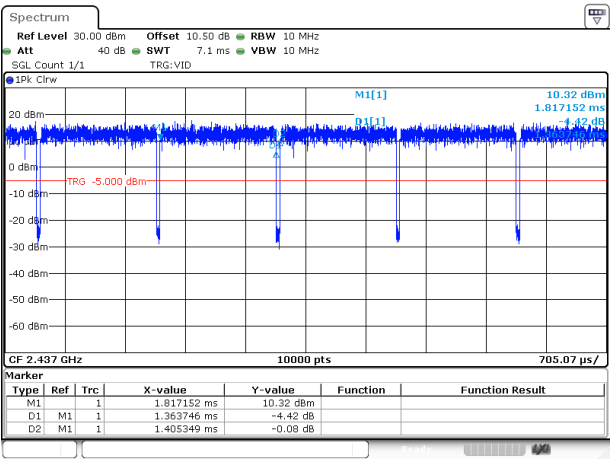
$$\text{Duty Cycle} = \text{Ton}/(\text{Ton}+\text{Toff})*100\%$$

802.11b_2437MHz



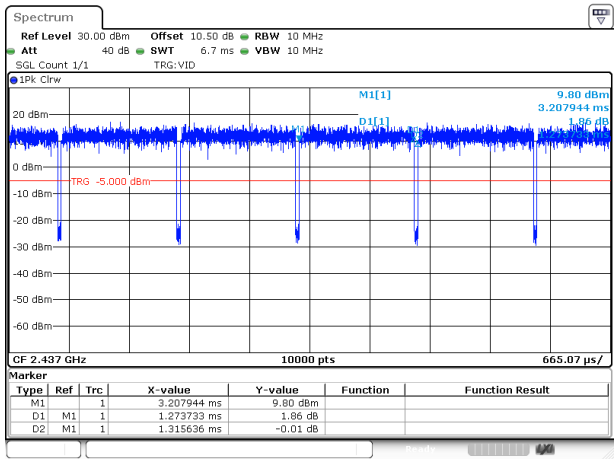
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:15:13

802.11g_2437MHz



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:15:17

802.11n20_2437MHz



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:16:45

Conducted Spurious Emission

Test Information:

Sample No.:	37BC-1	Test Date:	2025/08/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

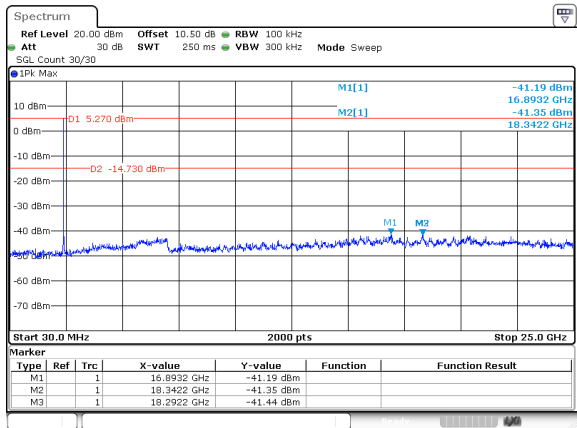
Environmental Conditions:

Temperature: (°C)	27.4	Relative Humidity: (%)	50	ATM Pressure: (kPa)	100.1
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Test Data:

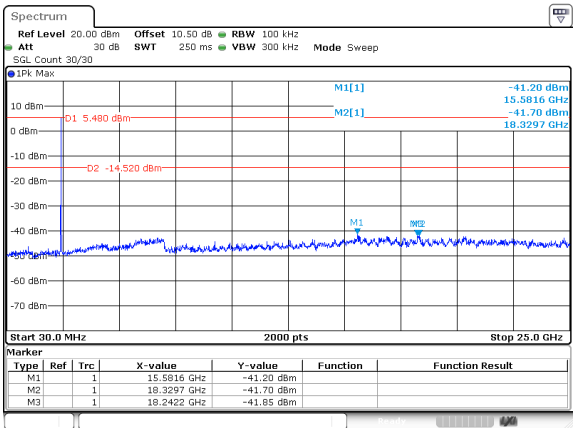
Chain 0

802.11b_2412MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:20:38

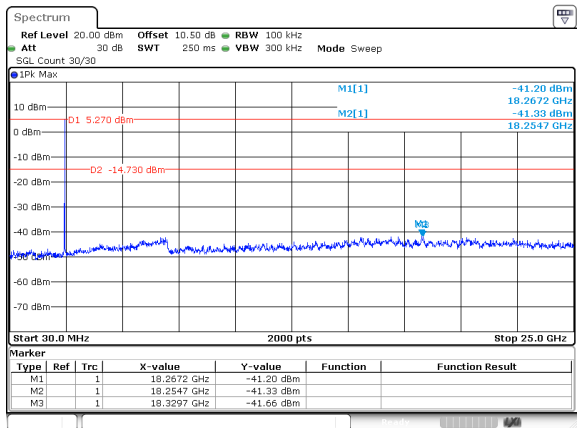
802.11b_2437MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:27:14

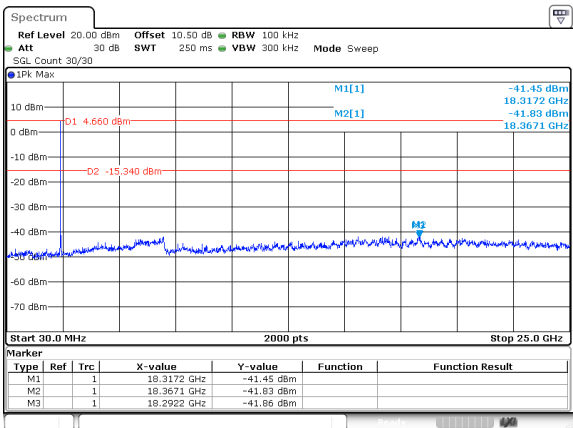
Chain 1

802.11b_2462MHz_Chain 0



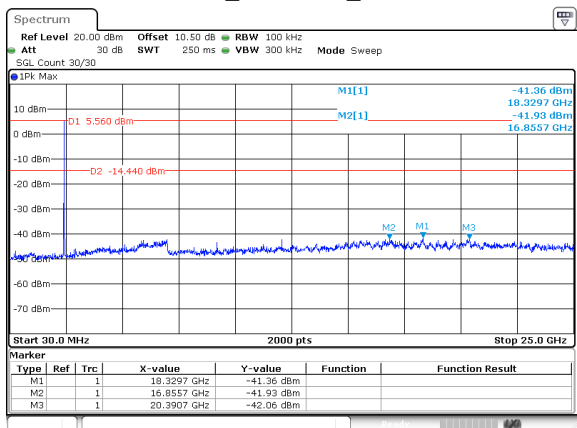
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:28:18

802.11b_2412MHz_Chain 1



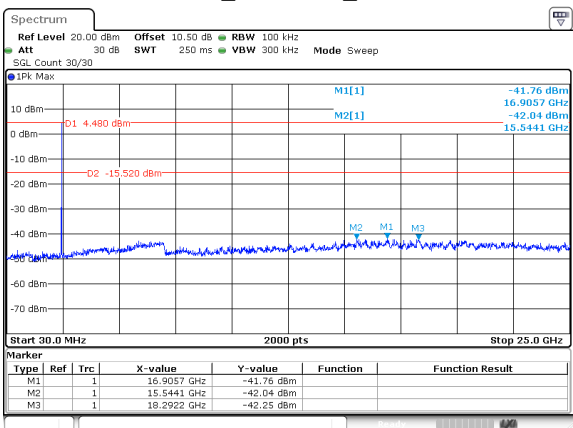
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:26:24

802.11b_2437MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:10:35

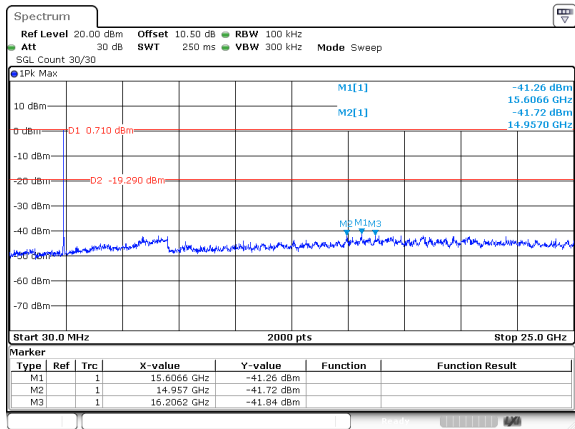
802.11b_2462MHz_Chain 1



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:34:35

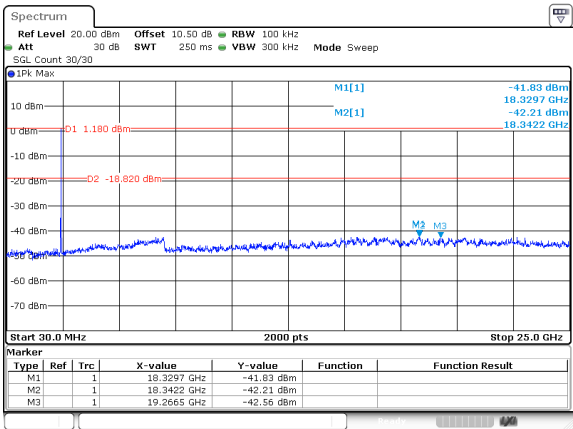
Chain 0

802.11g_2412MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:06:30

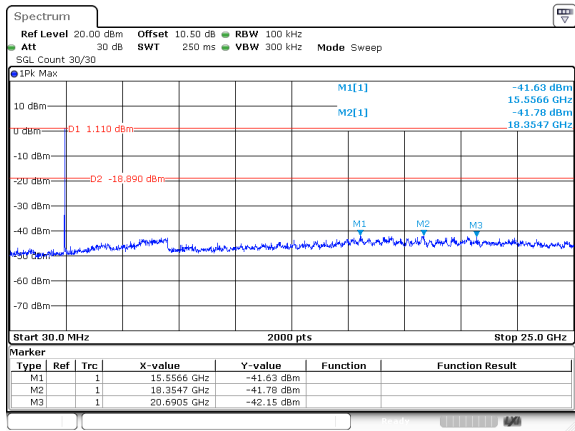
802.11g_2437MHz_Chain 0



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:28:35

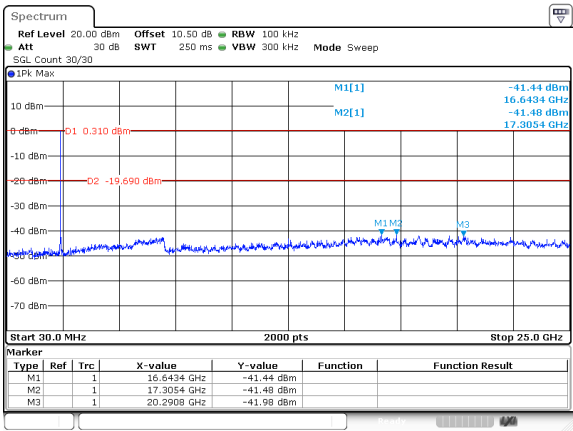
Chain 1

802.11g_2462MHz_Chain 0



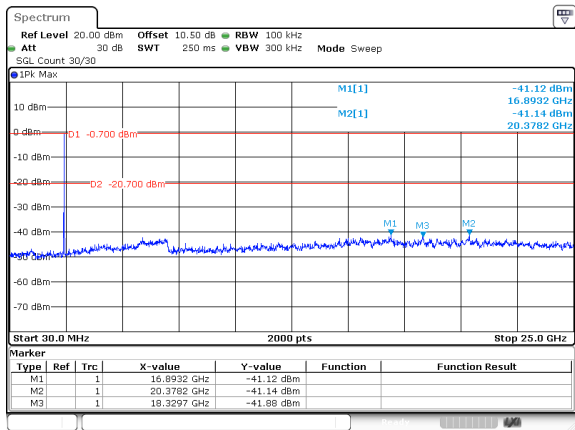
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 16:45:24

802.11g_2412MHz_Chain 1



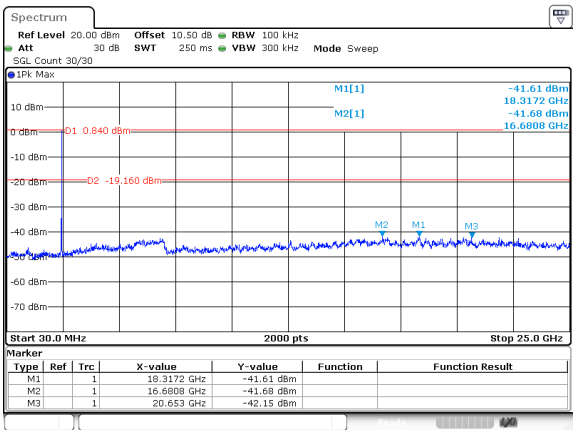
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:38:32

802.11g_2437MHz_Chain 1



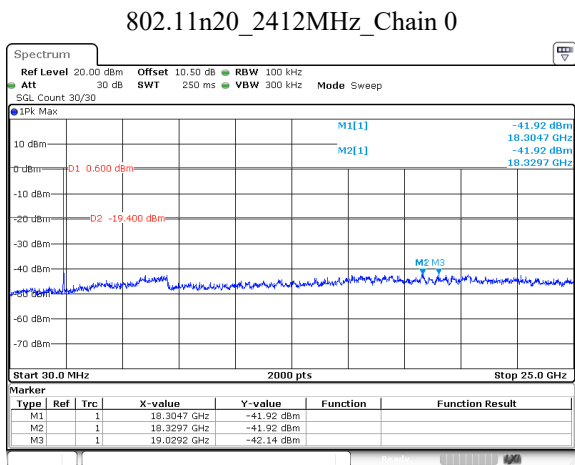
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:19:24

802.11g_2462MHz_Chain 1

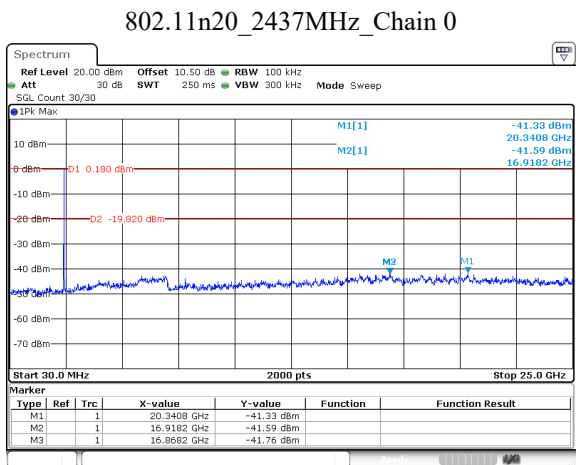


ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:13:30

Chain 0

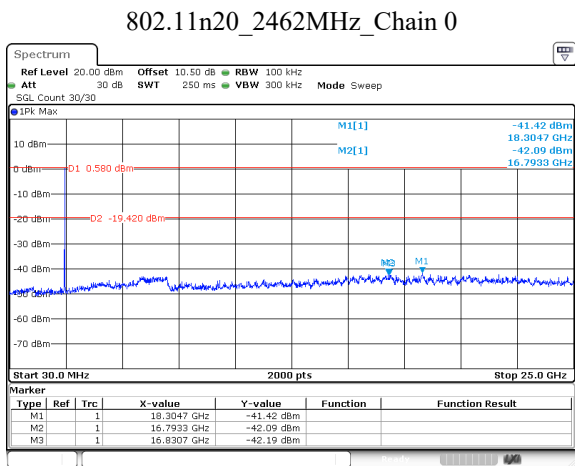


ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:17:47

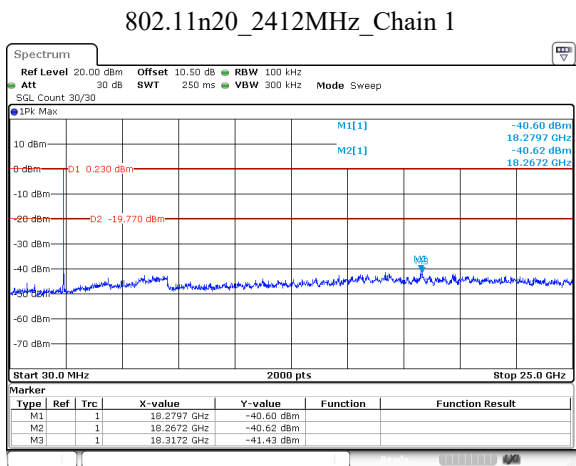


ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:33:25

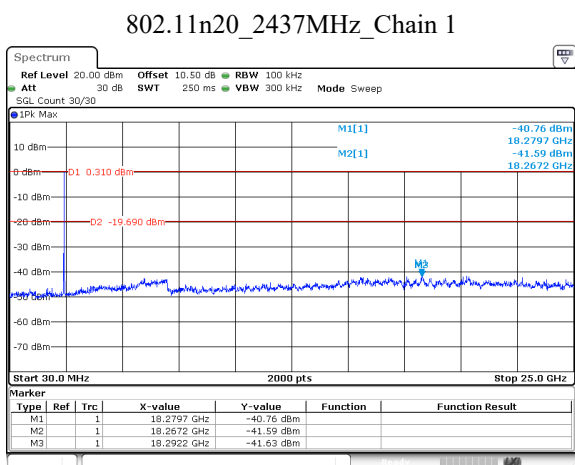
Chain 1



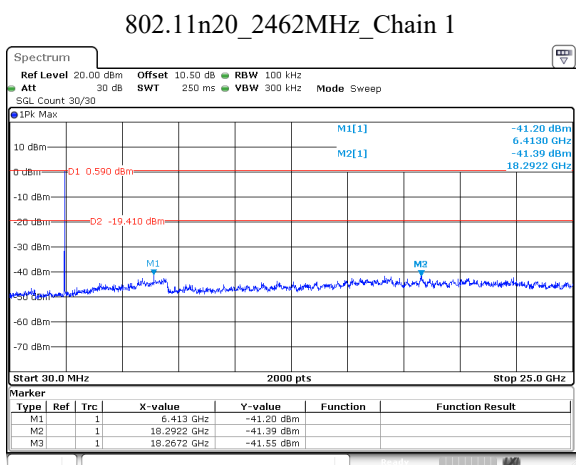
ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:16:10



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 17:51:28



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:14:52



ProjectNo.:2501V71093E-RF Tester:Rainbow Zhu
Date: 28.AUG.2025 18:00:42

RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 15.247 (i) and subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 v01 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

R is the minimum separation distance in meters

f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Result

Mode	Frequency (MHz)	Tune up conducted power [#] (dBm)	Antenna Gain [#]		ERP		Evaluation Distance (m)	ERP Limit (mW)
			(dBi)	(dBd)	(dBm)	(mW)		
BLE	2402-2480	8.0	3.50	1.35	9.35	8.61	0.2	768
2.4G Wi-Fi	2412~2462	20.0	3.50	1.35	21.35	136.46	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
 2. 0dBd=2.15dBi
 3. The BLE and Wi-Fi can transmit at same time.

Simultaneous transmitting consideration (worst case):

The ratio= $ERP_{BLE} / \text{limit} + ERP_{2.4G \text{ Wi-Fi}} / \text{limit} = 8.61/768 + 136.46/768 = 0.189 < 1.0$

So simultaneous exposure is compliant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

Field reference level exposure exemption limits

Applicable Standard

According to RSS-102 Issue 6§6.6:

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 1 W (adjusted for tune-up tolerance)
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance)
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 5 W (adjusted for tune-up tolerance) In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the EIRP was derived.

Calculated Data:

Mode	Frequency (MHz)	Maximum tune-up conducted power [#] (dBm)	Antenna Gain [#]	Maximum tune-up EIRP		Evaluation Distance (m)	Limit (mW)
			(dBi)	(dBm)	(mW)		
BLE	2402-2480	8.0	3.50	11.50	14.13	0.2	2676
2.4G Wi-Fi	2412-2462	20.0	3.50	23.50	223.87	0.2	2684

Note: 1. The tune up conducted power[#] and antenna gain[#] was declared by the applicant.
2. The BLE and Wi-Fi can transmit at same time.

Simultaneous transmitting consideration (worst case):

The ratio= $EIRP_{BLE}/limit + EIRP_{2.4G\ Wi-Fi}/limit = 14.13/2676 + 223.87/2684 = 0.089 < 1.0$

So simultaneous exposure is compliant.

Result: Compliant

Note: To maintain compliance with the RF exposure guidelines, place the equipment at least 20cm from nearby persons.

EUT PHOTOGRAPHS

Please refer to the attachment 2501V71093E-RF External photo and 2501V71093E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501V71093E-RF-TSP Test Setup photo.

***** **END OF REPORT** *****