



Report No.: TW2508003-03E

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Product: Pocket Voice Recorder

Model No.: PKT01, PKTXXX (Remark: "X" can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)

Trademark: Pocket

Test Standards: FCC Part 15.247

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15.247 for the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Terry Tang

Manager

Dated: September 01, 2025

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail: info@timeway-lab.com



Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

ISED —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996
Site Listed with Federal Communications commission (FCC)
Registration Number: 744189
For 3m Anechoic Chamber
Site Listed with ISED of Ottawa, Canada
Registration Number: IC: 5205A
For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.
Address: 6F, Bldg 4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei, Futian District, Shenzhen

1.3 Description of EUT

Product: Pocket Voice Recorder
Manufacturer: Shenzhen Jingwah Information Technology Co., Ltd.
Address: Building 15, Jinghua Factory, No. 187, Liangbai Road, Liangantan Community, Pinghu Street, Longgang District, Shenzhen
Trademark: Pocket
Model Number: PKT01
Additional Model Number: PKTXXX (Remark: "X" can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)
Hardware Version: Pocket1-V1.2
Software Version: Pocket_V2.5
Serial No.: N/A
Rating: Input: DC5V, 1A
Battery: DC3.8V, 840mAh Li-ion battery
Type of Modulation: IEEE 802.11b: DSSS (CCK, QPSK, DBPSK)
IEEE 802.11g/n (HT20, HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ax (HEW20, HEW40): OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)
Frequency range: IEEE 802.11b/g/n (HT20)/ax (HEW20): 2412-2462MHz;
IEEE 802.11n (HT40)/ax (HEW40): 2422-2452MHz

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Channel Spacing	5MHz for IEEE 802.11b/g/n (HT20, HT40)/ax (HEW20, HEW40)
Air Data Rate	IEEE 802.11b: 11, 5.5, 2, 1 Mbps IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11n HT20/HT40: mcs0-mcs7
Frequency Selection	By software
Channel Number	IEEE 802.11b/g/n (HT20)/ax (HEW20): 11 Channels; IEEE 802.11n (HT40)/ ax (HEW40): 7 Channels;
Antenna:	Chip antenna with gain 2.6dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 1 Sample

1.5 Test Duration
2025-08-18 to 2025-09-01

1.6 Test Uncertainty
Conducted Emissions Uncertainty =3.6dB
Radiated Emissions below 1GHz Uncertainty =4.7dB
Radiated Emissions above 1GHz Uncertainty =6.0dB
Conducted Power Uncertainty =6.0dB
Occupied Channel Bandwidth Uncertainty =5%
Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Andy Xing

Print Name: Andy Xing



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3. DESCRIPTION OF TEST MODES

IEEE 802.11b, 802.11g, 802.11n (HT20) , 802.11ax (HEW20) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2412
Middle	2437
High	2462

IEEE 802.11b mode: 1Mbps data rate (worst case) was chosen for full testing. IEEE 802.11g mode: 6Mbps data rate (worst case) was chosen for full testing. IEEE 802.11n (HT20)/802.11ax (HEW20) mode: mcs0 (worst case) were chosen for full testing;

IEEE 802.11n (HT40) /802.11ax (HEW40) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2422
Middle	2437
High	2452

IEEE 802.11n (HT40)/ 802.11ax (HEW40) mode: mcs0 data rate (worst case) were chosen for full testing

- Note: 1. During the test, the duty cycle was set up to >98%
2. For 802.11ax mode only support full RU mode.

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth > 500kHz	Pass	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	Pass	Complies
FCC Part 15, Paragraph 15.109, 15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	Pass	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm/3kHz	Pass	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247 and ANSI C63.10-2020+Cor.1-2023

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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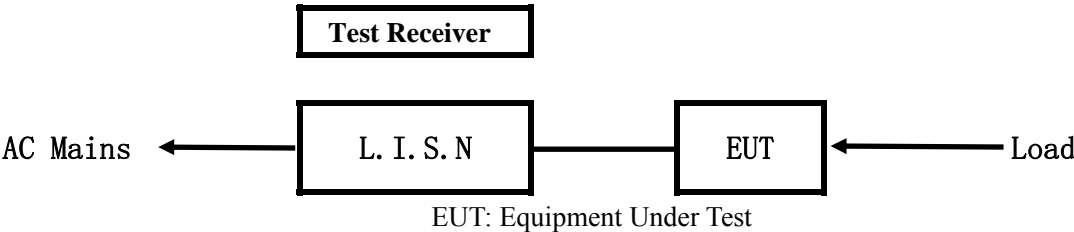
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

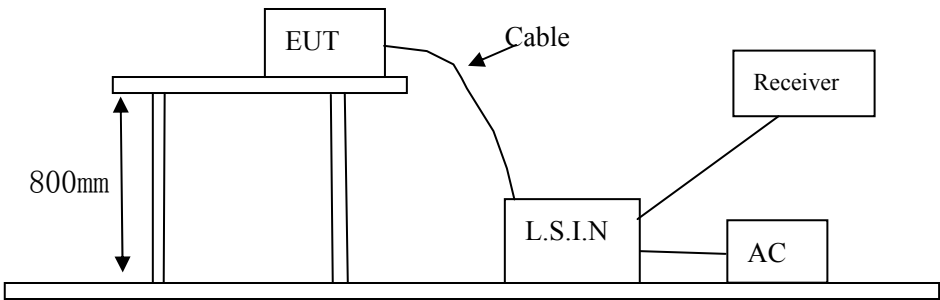


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+COR.1-2023. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2020+COR.1-2023. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Pocket Voice Recorder	Shenzhen Jingwah Information Technology Co., Ltd.	PKT01, PKTXXX (Remark: “X” can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)	RBD-PKT01

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A; Output: DC5V, 3A; DC9V, 3A; DC12V, 3A; DC15V, 3A; DC20V, 2.25A;

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+COR.1-2023.

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

- Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

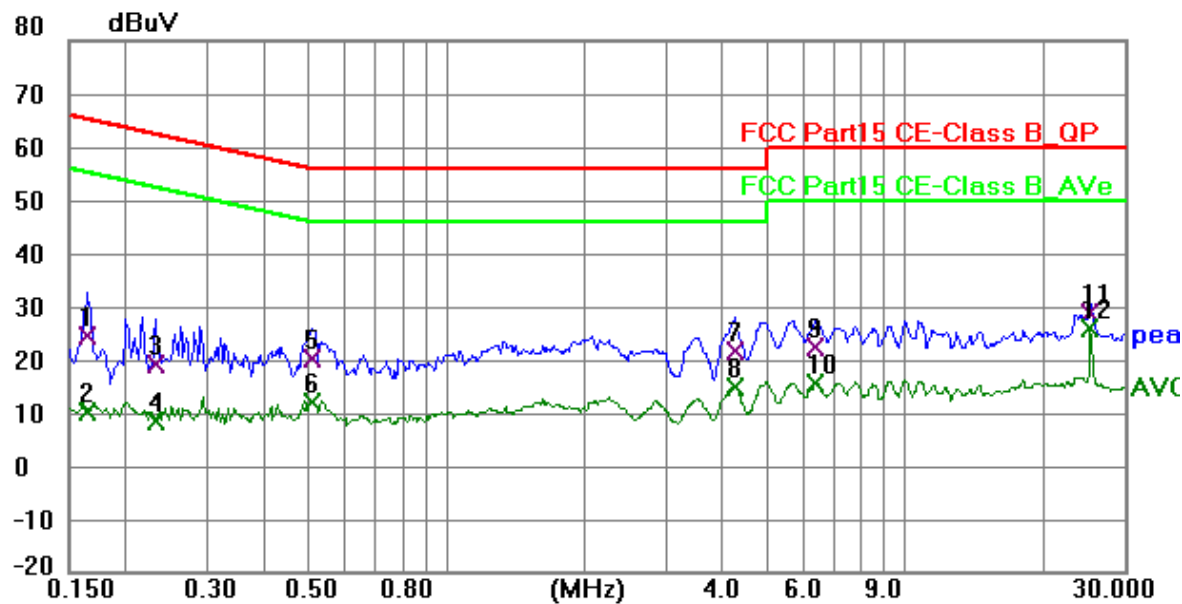
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A: Conducted Emission on Live Terminal (150kHz to 30MHz)
EUT Operating Environment
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa
EUT set Condition: Keep WIFI Transmitting
Results: Pass
Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1655	14.02	10.33	24.35	65.18	-40.83	QP	P
2	0.1655	-0.21	10.33	10.12	55.18	-45.06	AVG	P
3	0.2319	8.78	10.33	19.11	62.38	-43.27	QP	P
4	0.2319	-2.00	10.33	8.33	52.38	-44.05	AVG	P
5	0.5127	9.95	10.40	20.35	56.00	-35.65	QP	P
6	0.5127	1.53	10.40	11.93	46.00	-34.07	AVG	P
7	4.2402	9.52	12.09	21.61	56.00	-34.39	QP	P
8	4.2402	2.69	12.09	14.78	46.00	-31.22	AVG	P
9	6.3306	9.67	12.66	22.33	60.00	-37.67	QP	P
10	6.3306	2.85	12.66	15.51	50.00	-34.49	AVG	P
11	25.2300	13.59	15.29	28.88	60.00	-31.12	QP	P
12	25.2300	10.54	15.29	25.83	50.00	-24.17	AVG	P

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

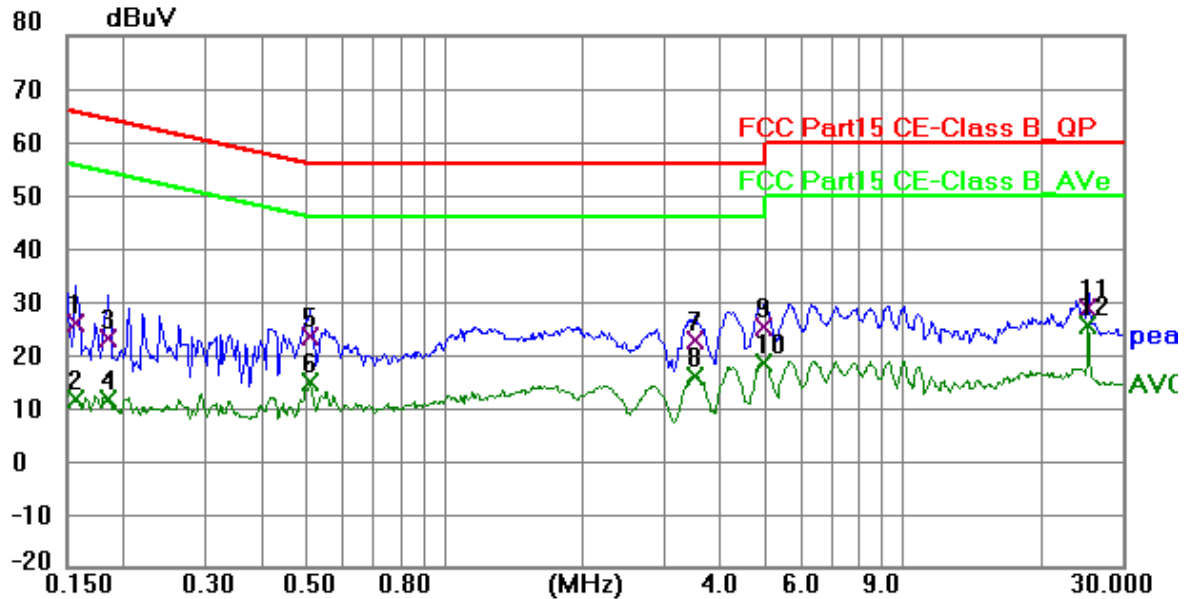
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1578	15.46	10.34	25.80	65.58	-39.78	QP	P
2	0.1578	1.21	10.34	11.55	55.58	-44.03	AVG	P
3	0.1850	12.84	10.33	23.17	64.26	-41.09	QP	P
4	0.1850	1.11	10.33	11.44	54.26	-42.82	AVG	P
5	0.5127	13.17	10.40	23.57	56.00	-32.43	QP	P
6	0.5127	4.41	10.40	14.81	46.00	-31.19	AVG	P
7	3.5187	10.97	11.86	22.83	56.00	-33.17	QP	P
8	3.5187	4.02	11.86	15.88	46.00	-30.12	AVG	P
9	4.9617	12.98	12.29	25.27	56.00	-30.73	QP	P
10	4.9617	6.10	12.29	18.39	46.00	-27.61	AVG	P
11	25.2300	13.57	15.29	28.86	60.00	-31.14	QP	P
12	25.2300	10.21	15.29	25.50	50.00	-24.50	AVG	P

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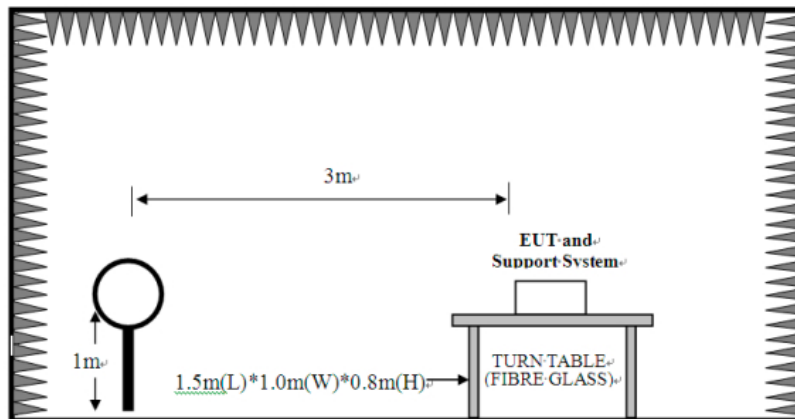
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+COR.1-2023. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2020+COR.1-2023.
- (3) The frequency spectrum from 9kHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a “QP” in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



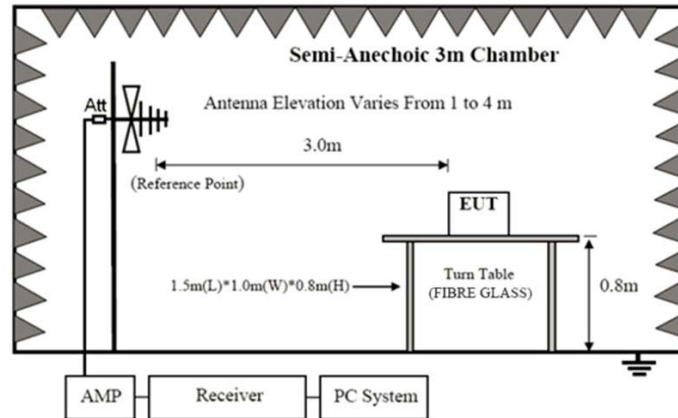
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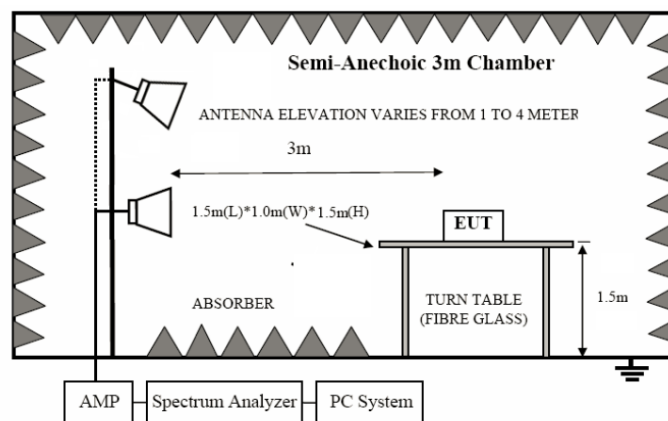
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For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.049	3	$20\log(2400/F(\text{kHz})) + 40\log(300/3)$
0.490-1.705	3	$20\log(24000/F(\text{kHz})) + 40\log(30/3)$
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
 5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
 6. Worse case were recorded in the test report. 802.11g was the worst case.
 7. Battery fully charged was used during the test
 8. This is a handheld device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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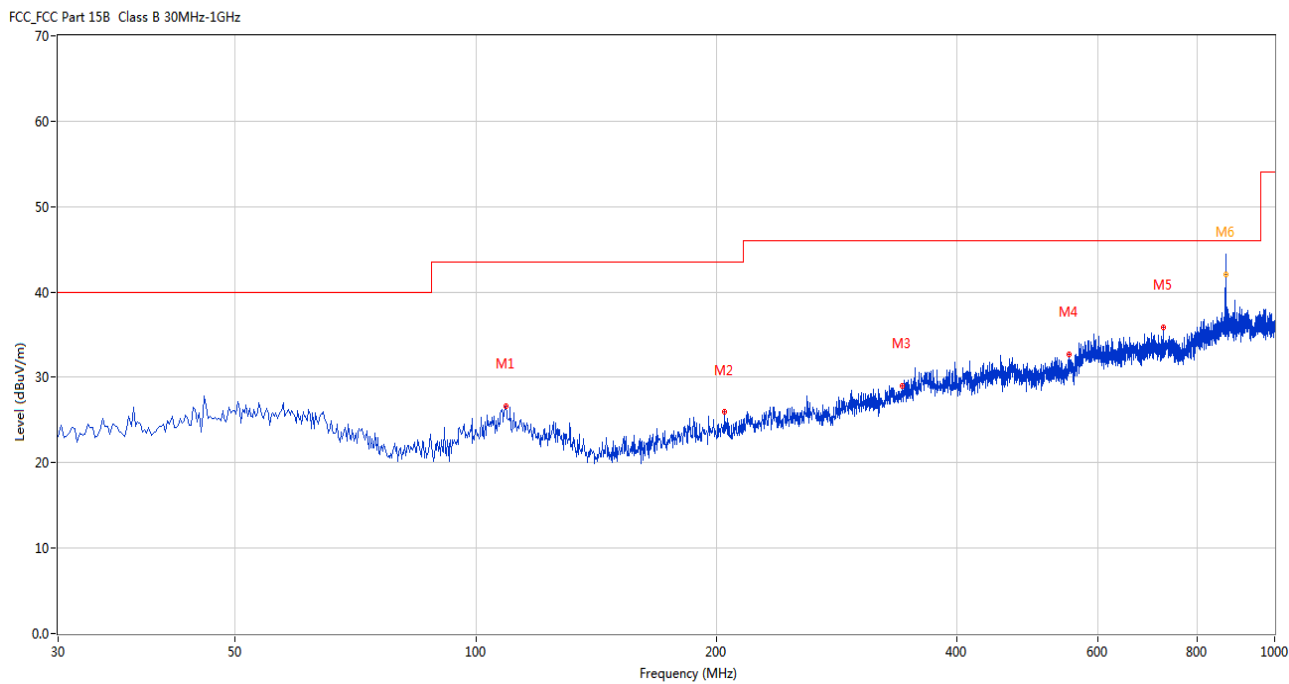


Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**

Results: **Pass**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	109.035	26.58	-5.98	43.5	16.92	Peak	85.00	100	Horizontal	Pass
2	205.041	25.91	-7.21	43.5	17.59	Peak	49.00	100	Horizontal	Pass
3	341.777	29.03	-3.04	46.0	16.97	Peak	19.00	100	Horizontal	Pass
4	552.942	32.67	-0.27	46.0	13.33	Peak	266.00	100	Horizontal	Pass
5	726.286	35.80	2.23	46.0	10.20	Peak	236.00	100	Horizontal	Pass
6	868.113	44.41	4.91	46.0	1.59	Peak	286.00	100	Horizontal	Pass
6*	868.113	42.05	4.91	46.0	3.95	QP	286.00	100	Horizontal	Pass

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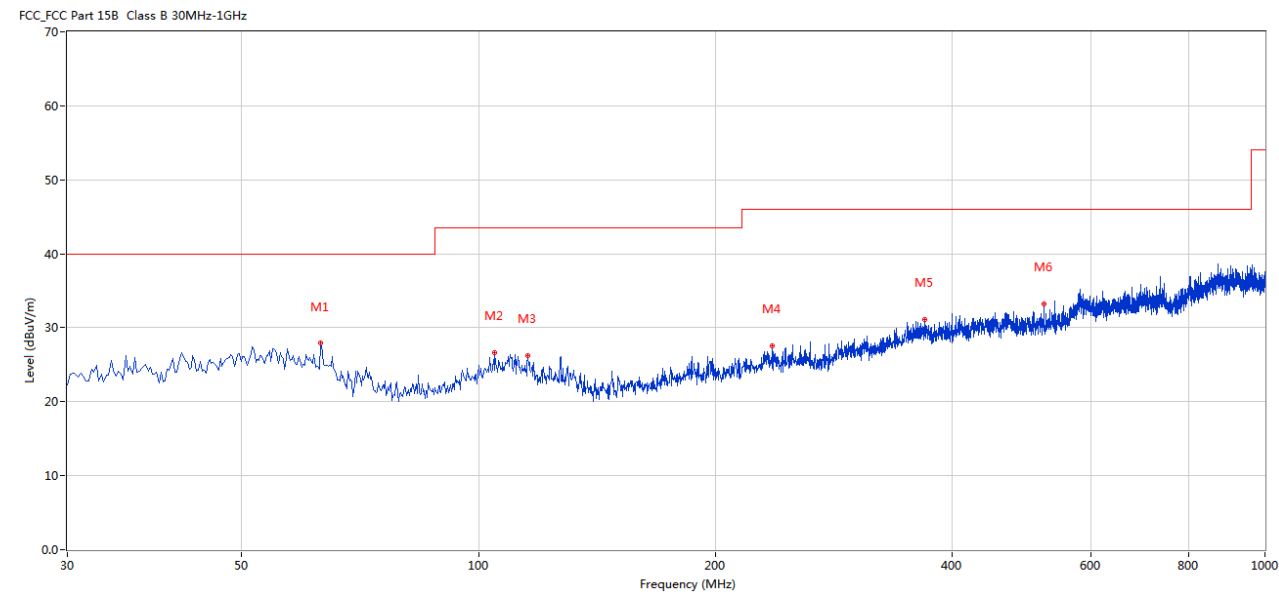


Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**

Results: **Pass**



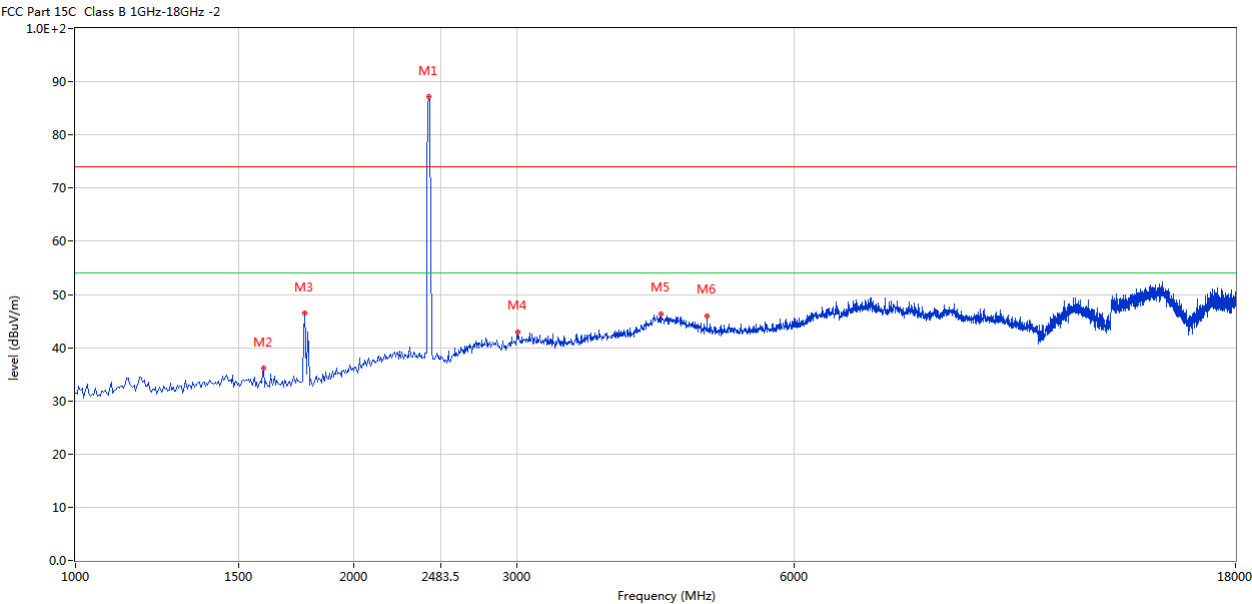
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.972	27.89	-5.68	40.0	12.11	Peak	49.00	100	Vertical	Pass
2	104.914	26.59	-6.23	43.5	16.91	Peak	43.00	100	Vertical	Pass
3	115.581	26.29	-6.89	43.5	17.21	Peak	312.00	100	Vertical	Pass
4	236.316	27.55	-5.32	46.0	18.45	Peak	331.00	100	Vertical	Pass
5	369.658	31.15	-1.73	46.0	14.85	Peak	127.00	100	Vertical	Pass
6	524.091	33.22	-0.55	46.0	12.78	Peak	285.00	100	Vertical	Pass

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Please refer to the following test plots for details:

CH01 for 11g at 6Mbps: Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2410.647	87.10	-3.57	74.0	13.10	Peak	87.00	100	Horizontal	N/A
2	1599.100	36.18	-7.97	74.0	-37.82	Peak	71.00	100	Horizontal	Pass
3	1769.058	46.43	-7.05	74.0	-27.57	Peak	316.00	100	Horizontal	Pass
4	3009.748	42.92	-2.60	74.0	-31.08	Peak	154.00	100	Horizontal	Pass
5	4297.176	46.33	1.83	74.0	-27.67	Peak	258.00	100	Horizontal	Pass
6	4824.044	46.03	3.14	74.0	-27.97	Peak	87.00	100	Horizontal	Pass

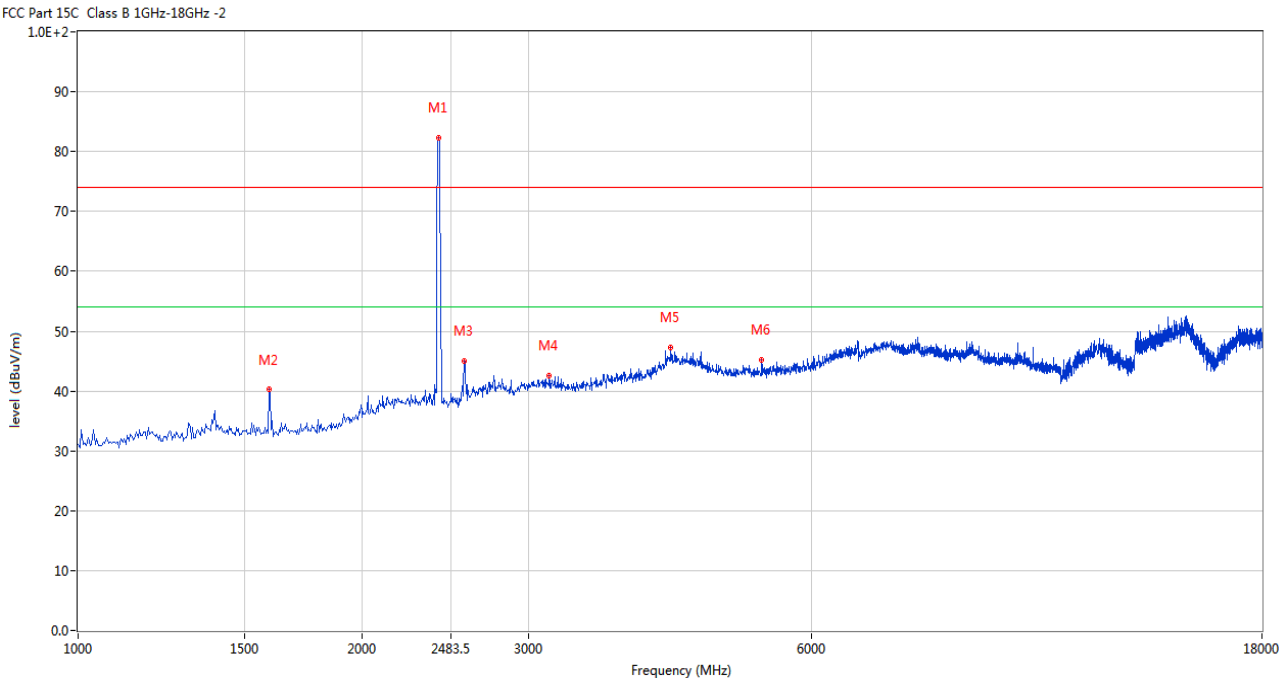
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CH01 for 11g at 6Mbps: Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2410.647	82.32	-3.57	74.0	8.32	Peak	354.00	100	Vertical	N/A
2	1594.851	40.24	-7.98	74.0	-33.76	Peak	307.00	100	Vertical	Pass
3	2567.858	44.99	-3.40	74.0	-29.01	Peak	266.00	100	Vertical	Pass
4	3158.460	42.48	-2.06	74.0	-31.52	Peak	211.00	100	Vertical	Pass
5	4250.437	47.29	1.72	74.0	-26.71	Peak	260.00	100	Vertical	Pass
6	5304.174	45.28	3.49	74.0	-28.72	Peak	179.00	100	Vertical	Pass

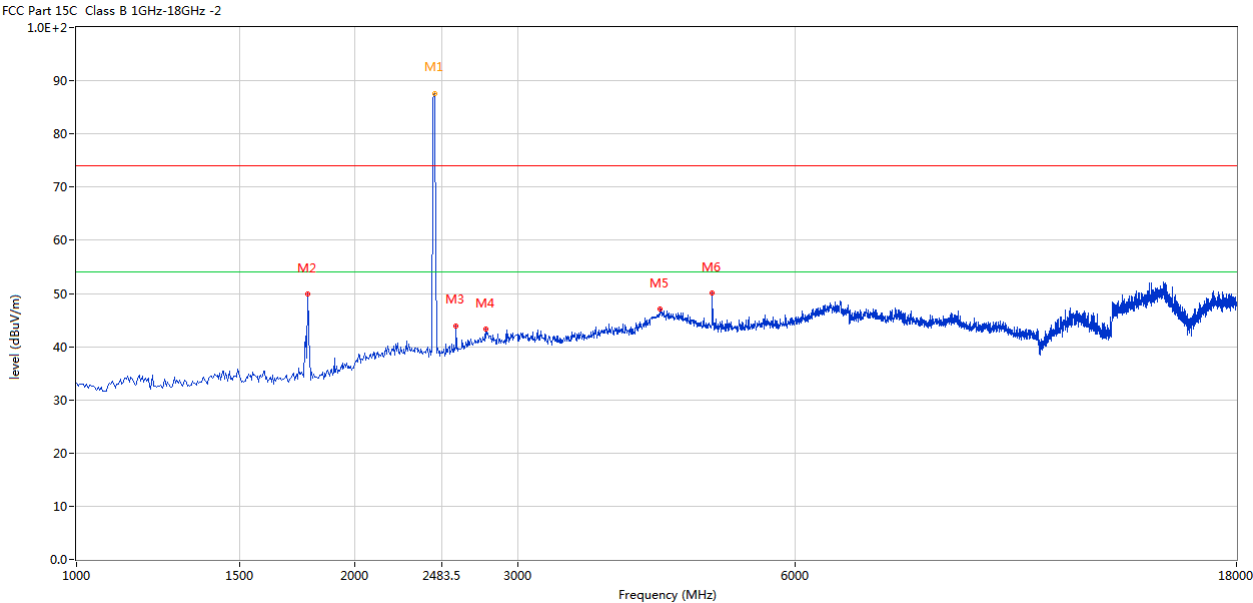
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CH06 for 11g at 6Mbps: Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440.390	87.53	-3.57	74.0	13.53	Peak	109.00	100	Horizontal	N/A
2	1777.556	49.89	-6.98	74.0	-24.11	Peak	10.00	100	Horizontal	Pass
3	2576.356	43.93	-3.38	74.0	-30.07	Peak	339.00	100	Horizontal	Pass
4	2776.056	43.26	-2.76	74.0	-30.74	Peak	140.00	100	Horizontal	Pass
5	4284.429	47.03	1.80	74.0	-26.97	Peak	93.00	100	Horizontal	Pass
6	4875.031	50.04	3.19	74.0	-23.96	Peak	109.00	100	Horizontal	Pass

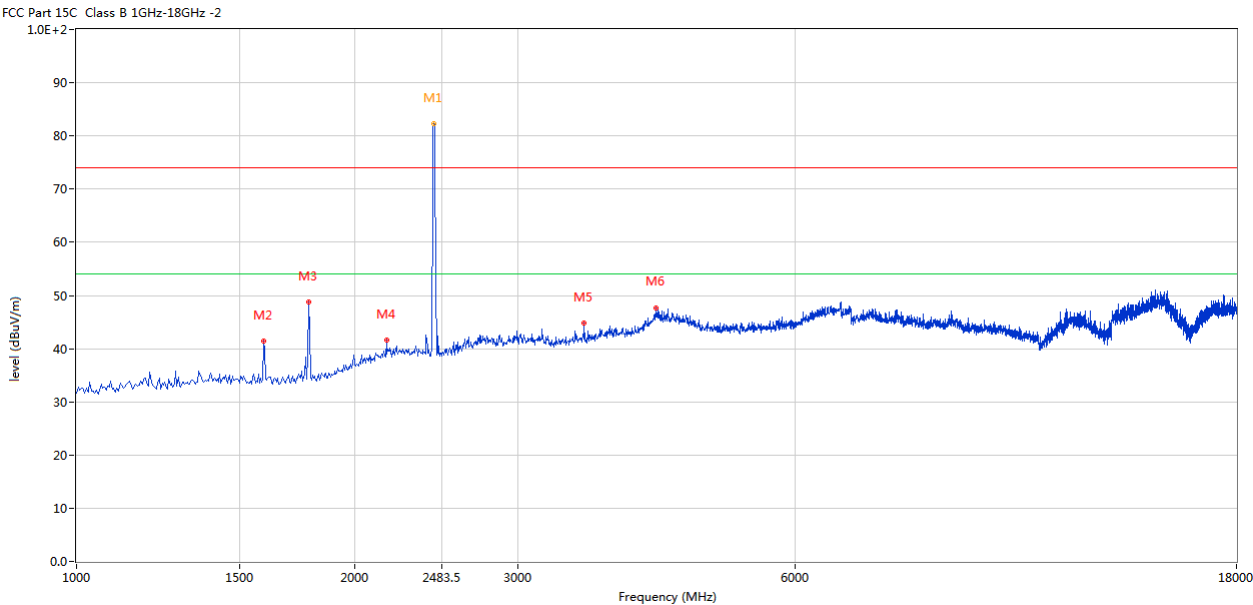
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CH06 for 11g at 6Mbps: Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2436.141	82.38	-3.57	74.0	8.38	Peak	354.00	100	Vertical	N/A
2	1594.851	41.41	-7.98	74.0	-32.59	Peak	260.00	100	Vertical	Pass
3	1781.805	48.72	-6.95	74.0	-25.28	Peak	18.00	100	Vertical	Pass
4	2164.209	41.54	-3.60	74.0	-32.46	Peak	354.00	100	Vertical	Pass
5	3545.114	44.80	-0.87	74.0	-29.20	Peak	260.00	100	Vertical	Pass
6	4241.940	47.71	1.70	74.0	-26.29	Peak	22.00	100	Vertical	Pass

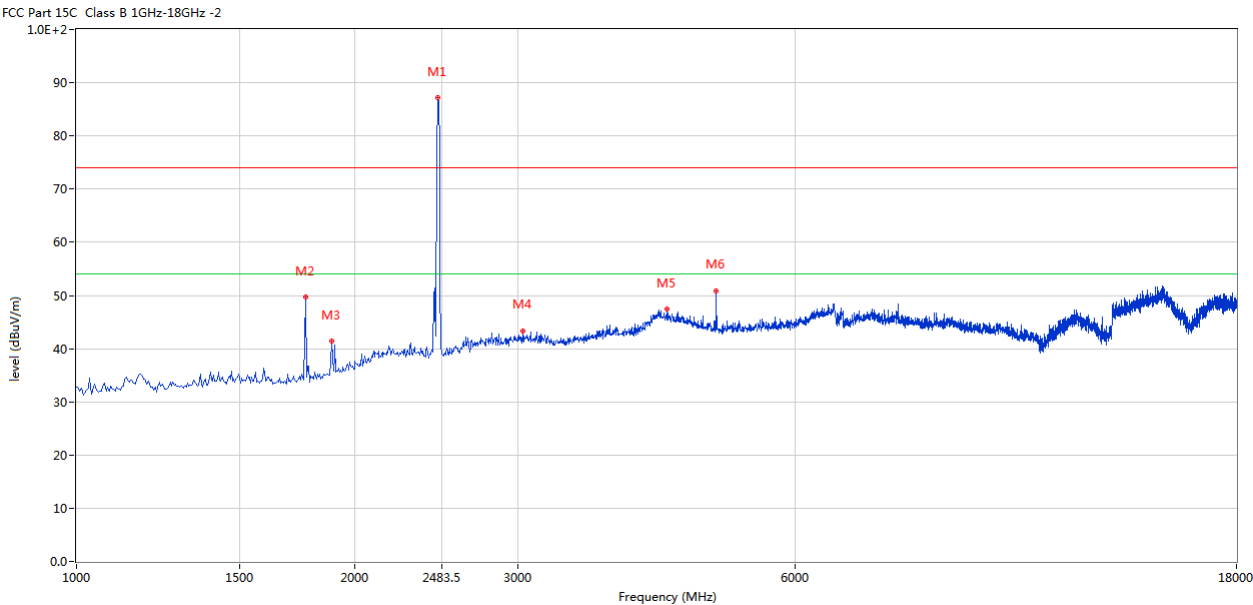
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CH11 for 11g at 6Mbps: Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2461.635	87.11	-3.57	74.0	13.11	Peak	292.00	100	Horizontal	N/A
2	1769.058	49.66	-7.05	74.0	-24.34	Peak	308.00	100	Horizontal	Pass
3	1888.028	41.47	-6.03	74.0	-32.53	Peak	40.00	100	Horizontal	Pass
4	3043.739	43.32	-2.45	74.0	-30.68	Peak	77.00	100	Horizontal	Pass
5	4356.661	47.40	1.93	74.0	-26.60	Peak	250.00	100	Horizontal	Pass
6	4921.770	50.88	3.27	74.0	-23.12	Peak	276.00	100	Horizontal	Pass

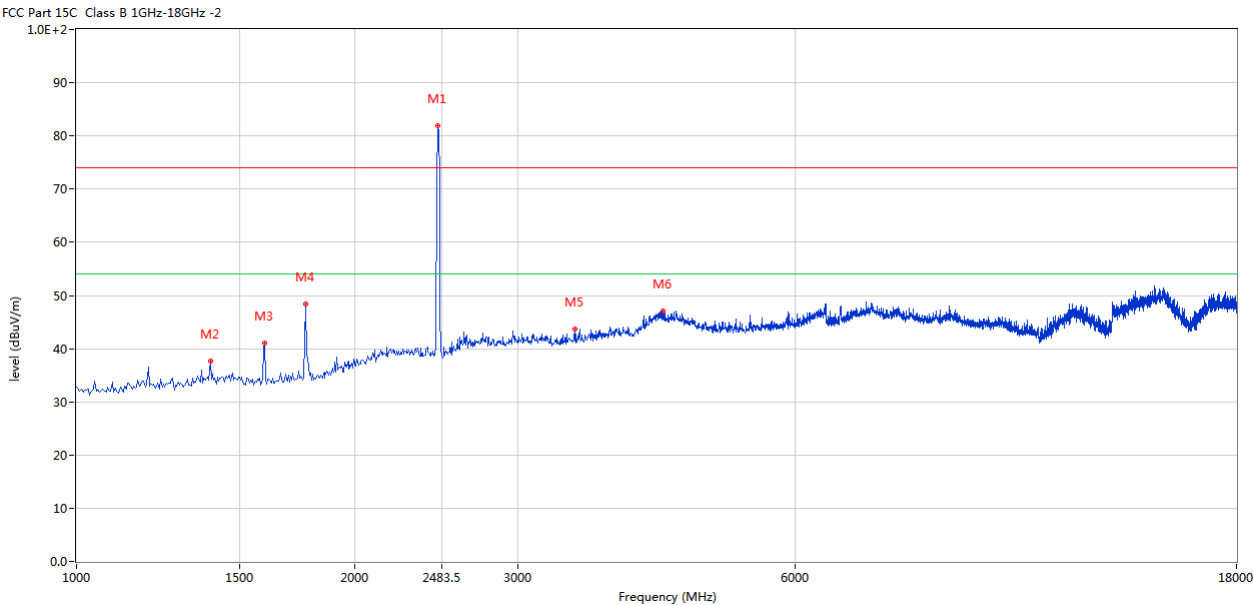
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CH11 for 11g at 6Mbps: Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2461.635	82.01	-3.57	74.0	8.01	Peak	178.00	100	Vertical	N/A
2	1395.151	37.58	-8.17	74.0	-36.42	Peak	308.00	100	Vertical	Pass
3	1599.100	41.11	-7.97	74.0	-32.89	Peak	288.00	100	Vertical	Pass
4	1769.058	48.41	-7.05	74.0	-25.59	Peak	42.00	100	Vertical	Pass
5	3460.135	43.76	-1.37	74.0	-30.24	Peak	38.00	100	Vertical	Pass
6	4309.923	47.16	1.86	74.0	-26.84	Peak	90.00	100	Vertical	Pass

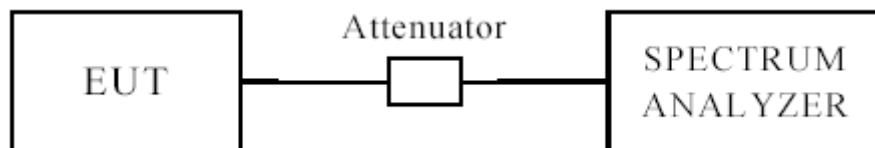
- Note: 1. Result Level = Reading + Factor
2. Factor= AF + Cable Loss- Preamp
3. Margin = Result– Limit
4. For radiated Emissions from 18-25GHz and below 30MHz, it is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
5. Note: the final peak measurement results less than the AV limit. No necessary to take down the final AV measurement result

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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

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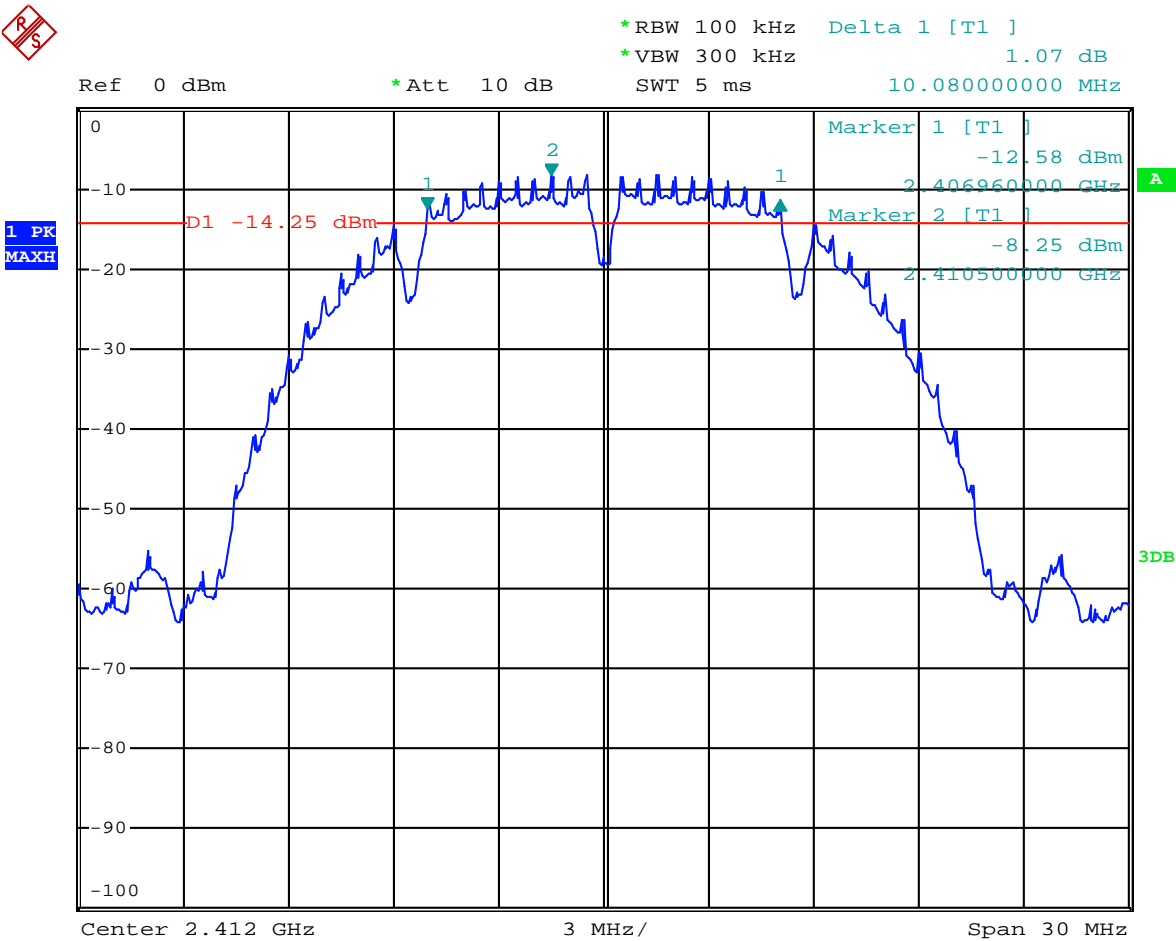
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11b		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	1	10.08	0.5	Pass
6	2437	1	10.08	0.5	Pass
11	2462	1	10.14	0.5	Pass
1	2412	11	11.10	0.5	Pass
6	2437	11	11.04	0.5	Pass
11	2462	11	11.16	0.5	Pass

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1. 802.11b at 1Mbps of CH01

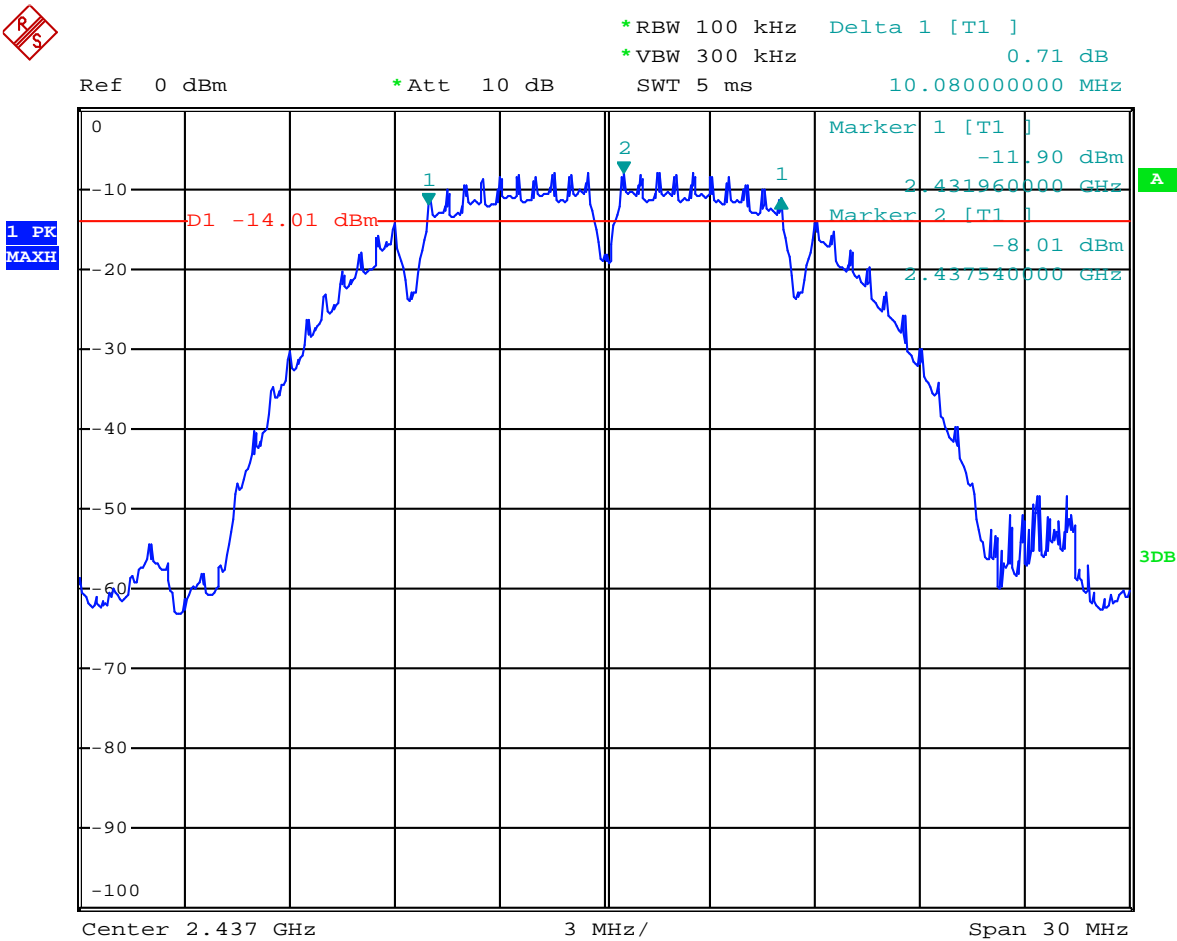


Date: 29.AUG.2025 14:03:14

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2. 802.11b at 1Mbps of CH06

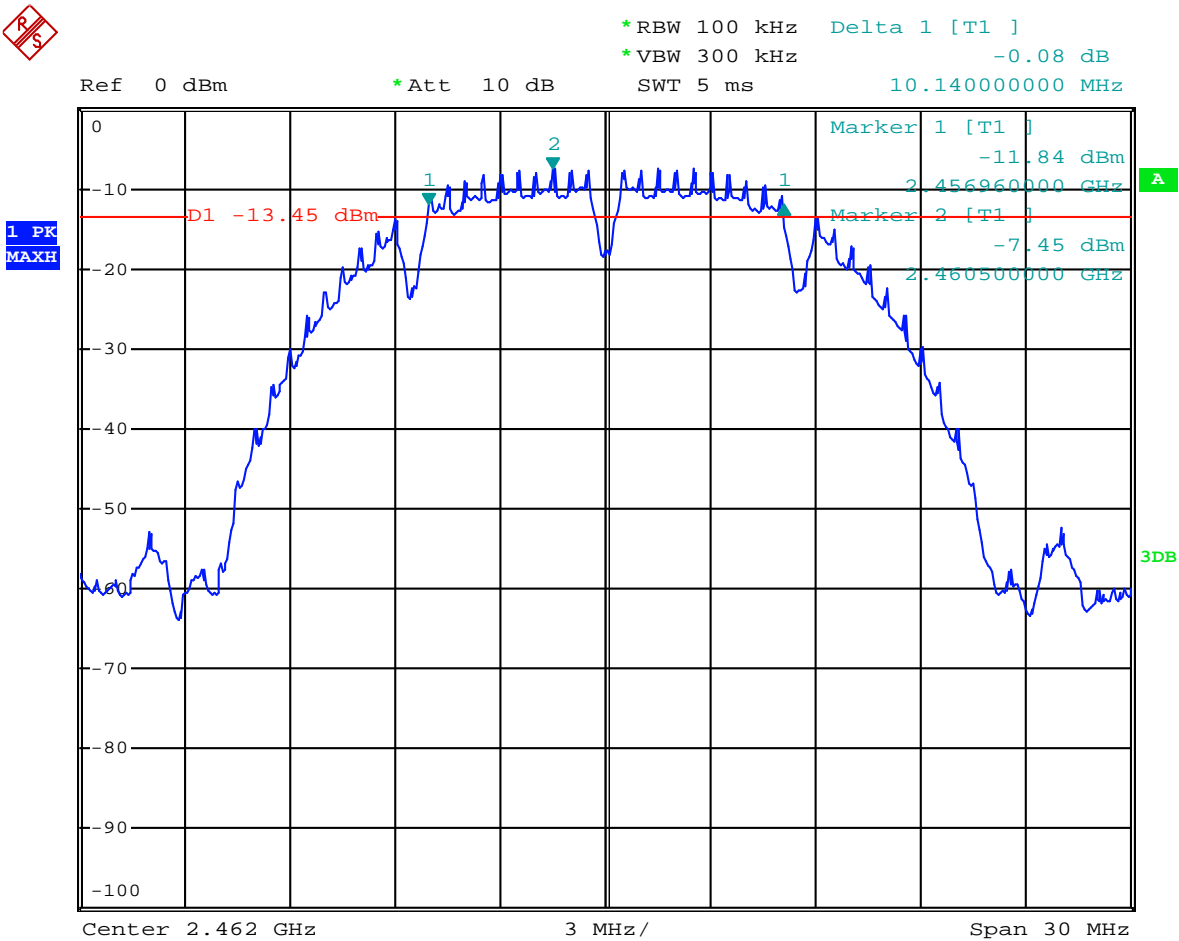


Date: 29.AUG.2025 15:06:40

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3. 802.11b at 1Mbps of CH11

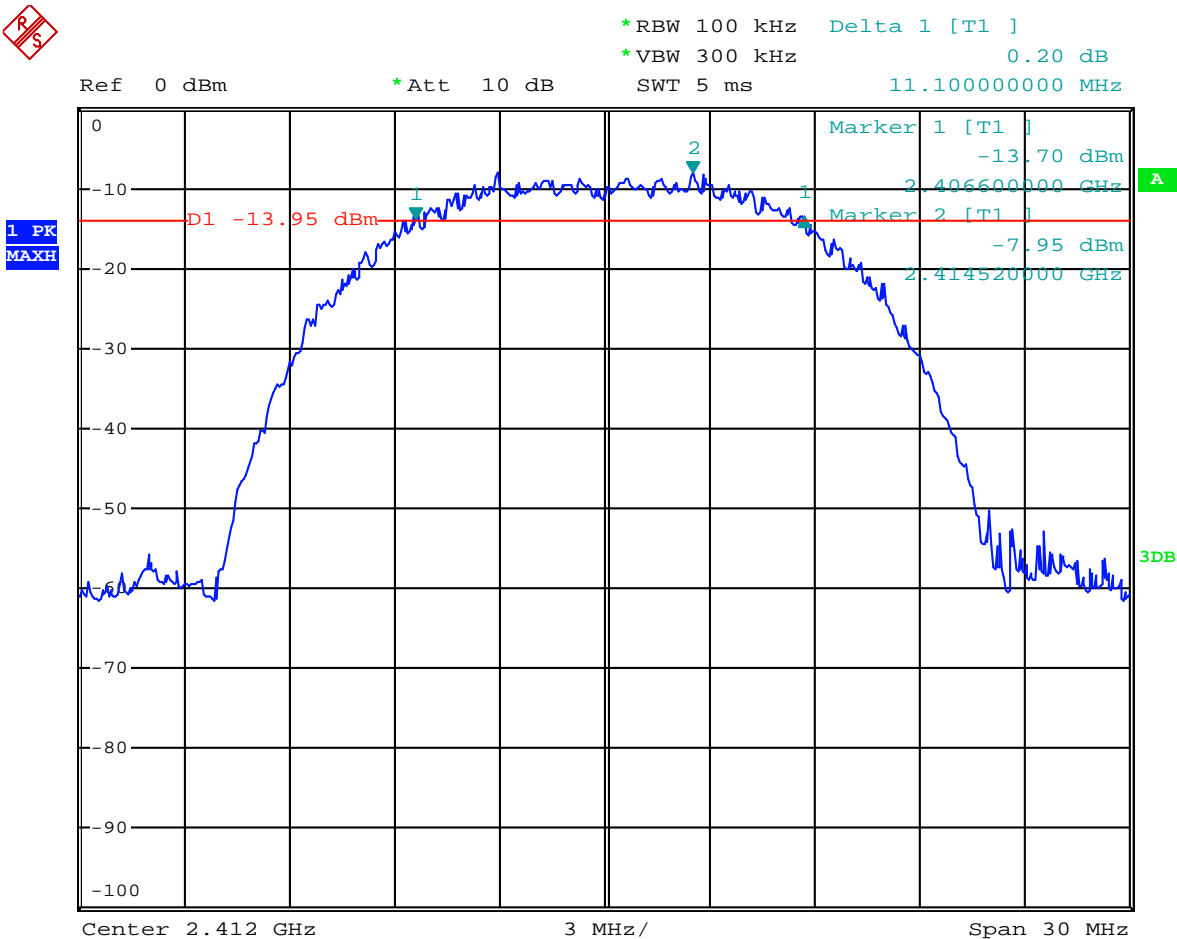


Date: 29.AUG.2025 15:15:39

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4. 802.11b at 11Mbps of CH01

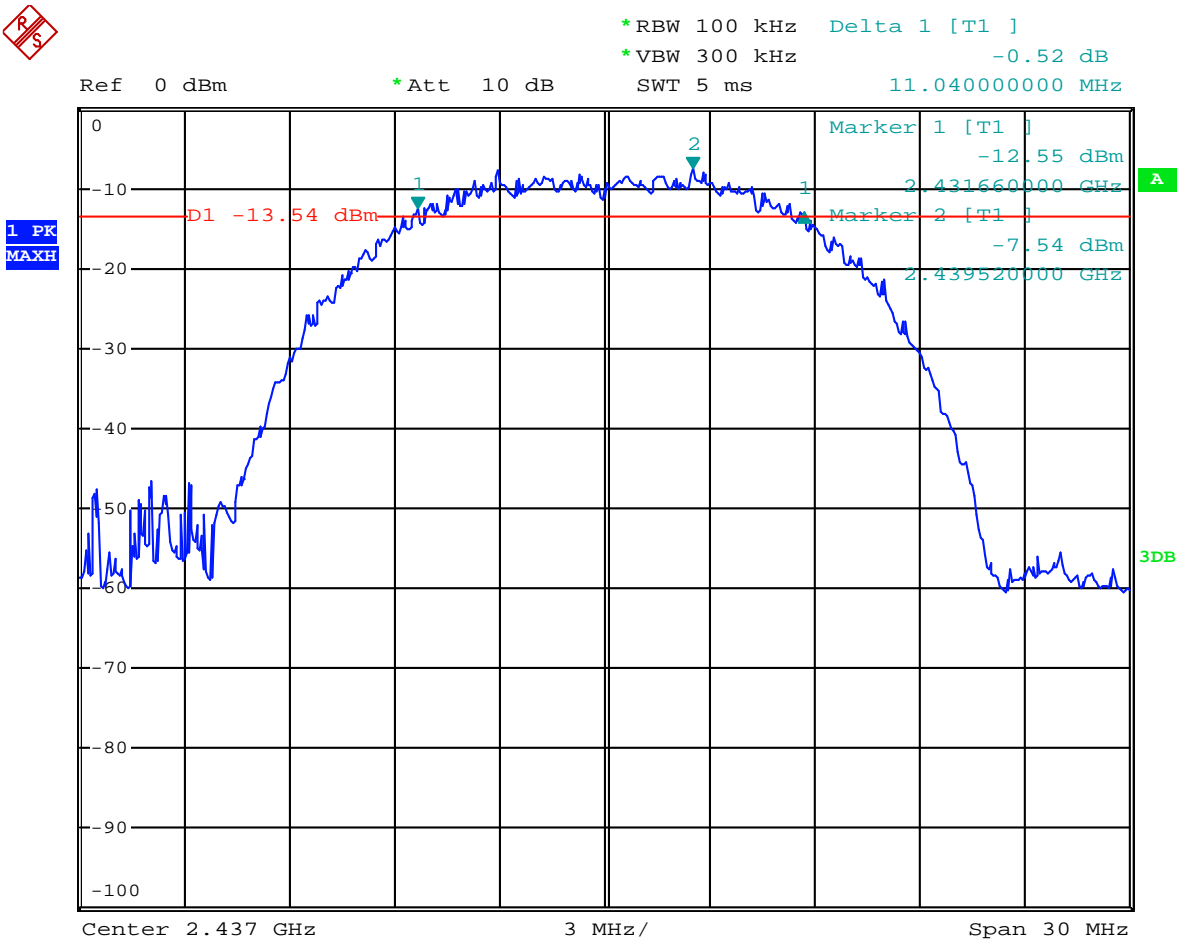


Date: 29.AUG.2025 14:06:21

The report refers only to the sample tested and does not apply to the bulk.
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5. 802.11b at 11Mbps of CH06

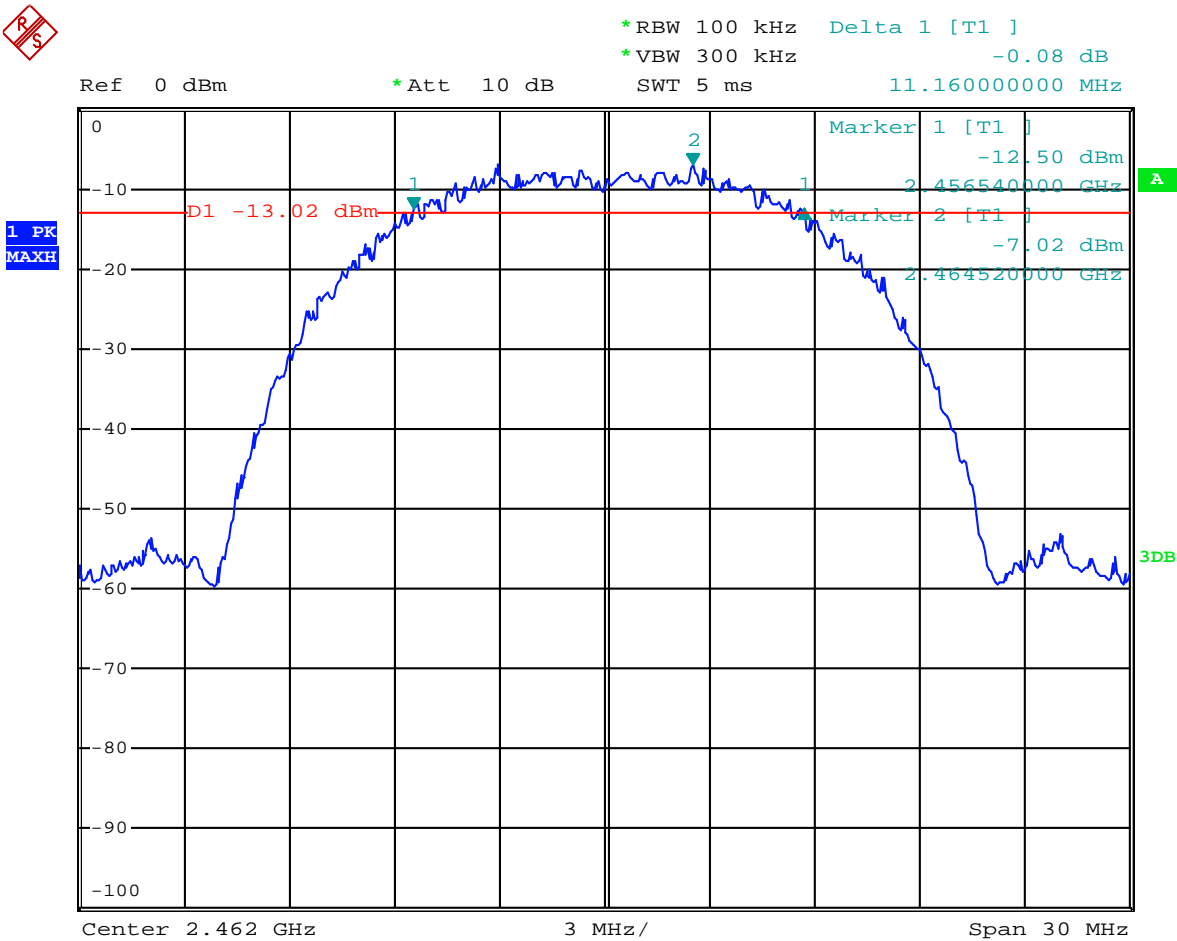


Date: 29.AUG.2025 15:09:45

The report refers only to the sample tested and does not apply to the bulk.
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6. 802.11b at 11Mbps of CH11



Date: 29.AUG.2025 15:13:08

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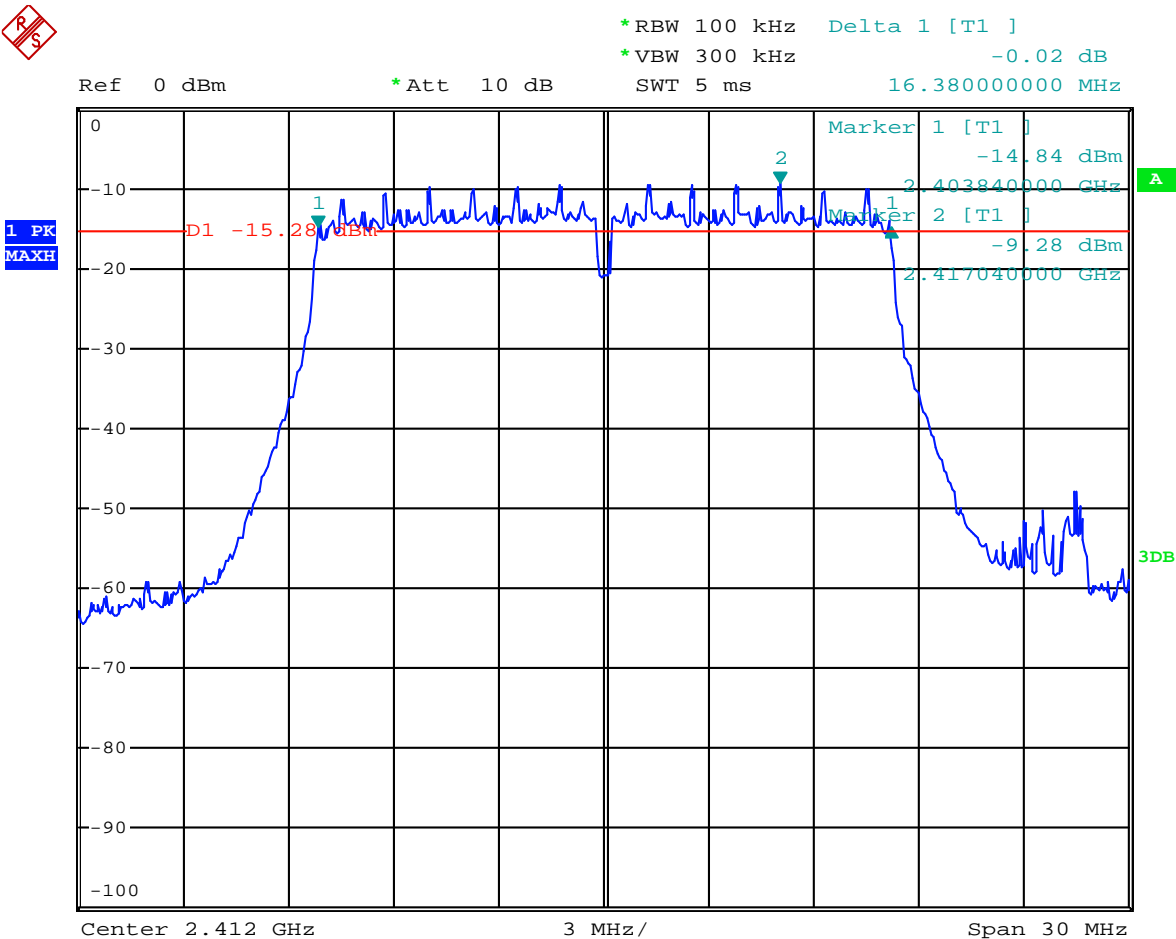
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11g		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	6	16.38	0.5	Pass
6	2437	6	16.32	0.5	Pass
11	2462	6	16.38	0.5	Pass

The report refers only to the sample tested and does not apply to the bulk.
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Test Plots:
1. 802.11g at 6Mbps of CH01

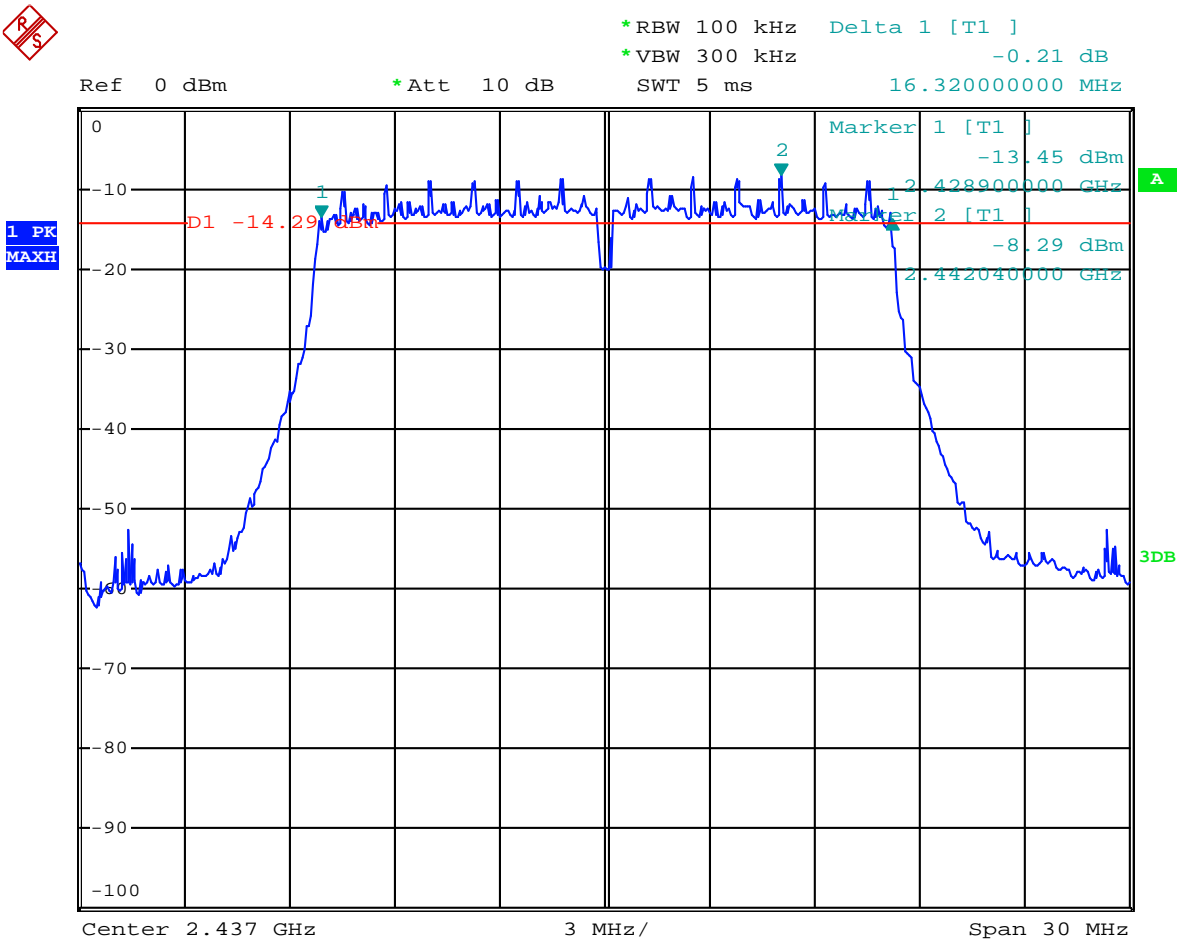


Date: 29.AUG.2025 14:13:21

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2. 802.11g at 6Mbps of CH06

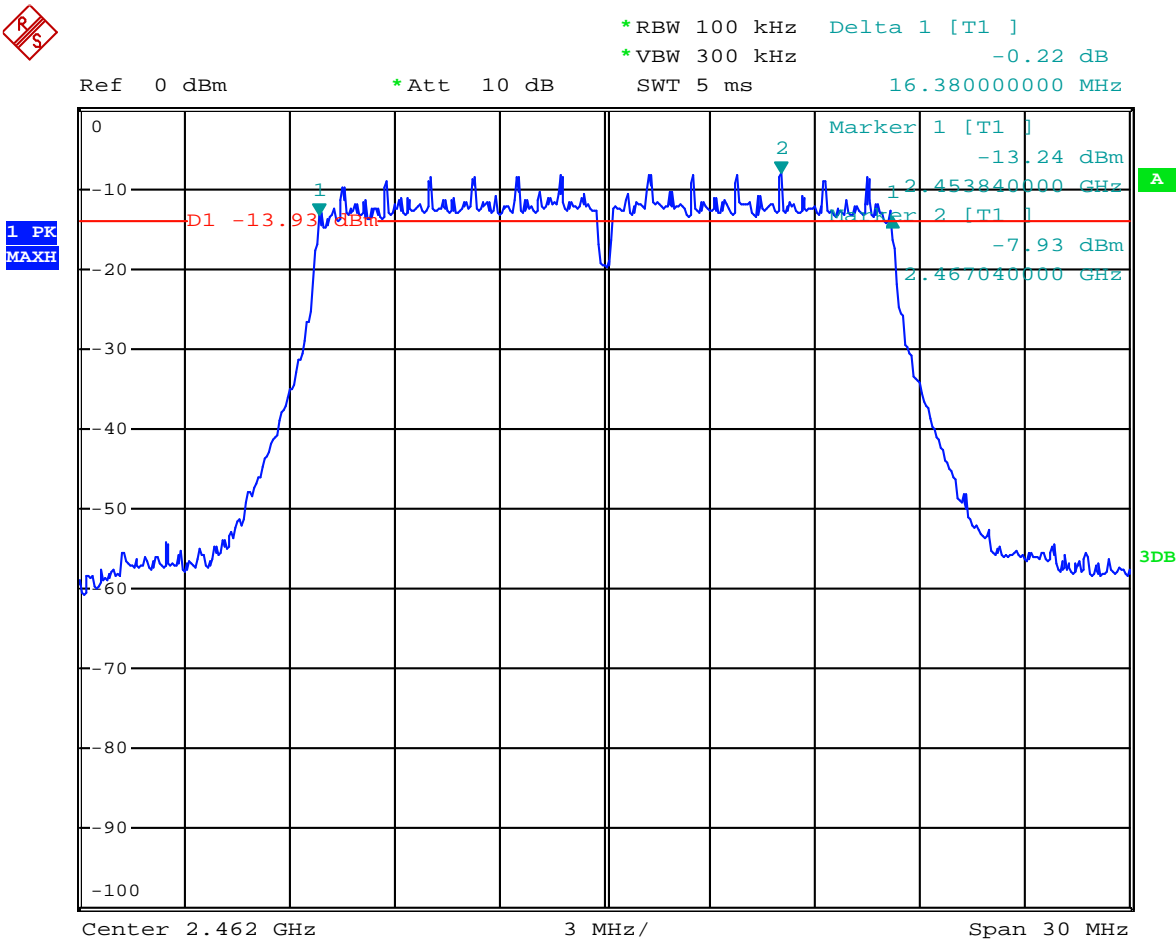


Date: 29.AUG.2025 14:45:50

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3. 802.11g at 6Mbps of CH11



Date: 29.AUG.2025 15:19:44

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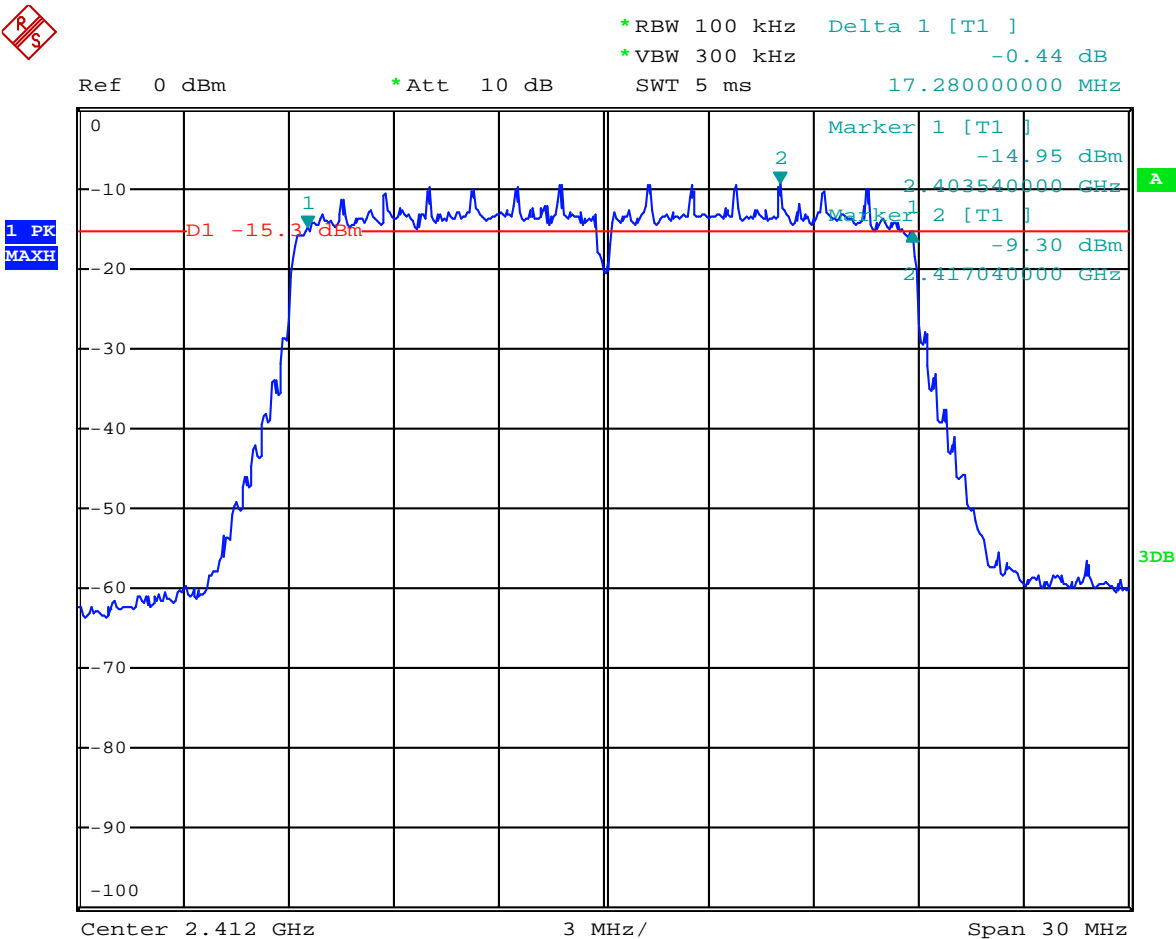
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11n HT20		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	mcs0	17.28	0.5	Pass
6	2437	mcs0	17.58	0.5	Pass
11	2462	mcs0	17.16	0.5	Pass

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Test Plots:
1. 802.11n at HT20 of CH01

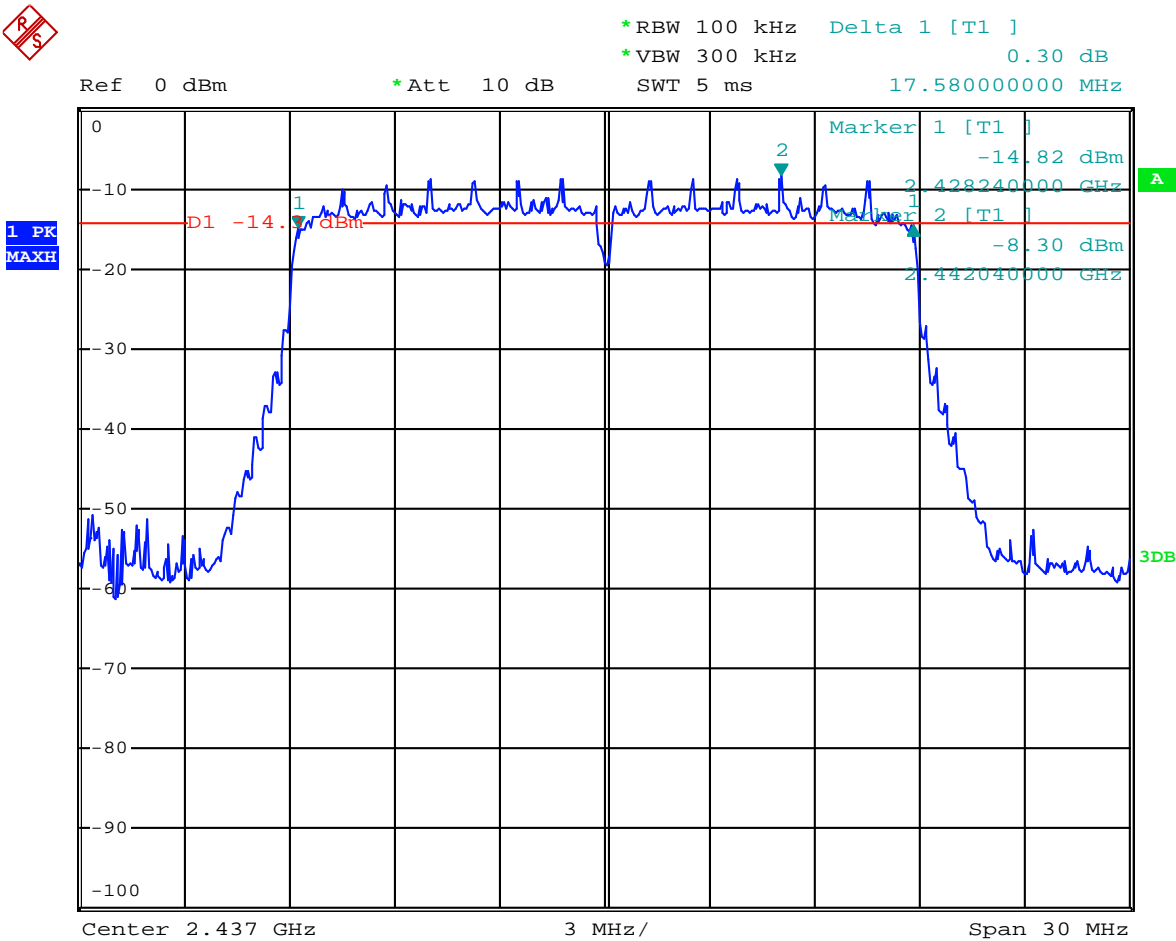


Date: 29.AUG.2025 14:24:36

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2. 802.11n at HT20 of CH06

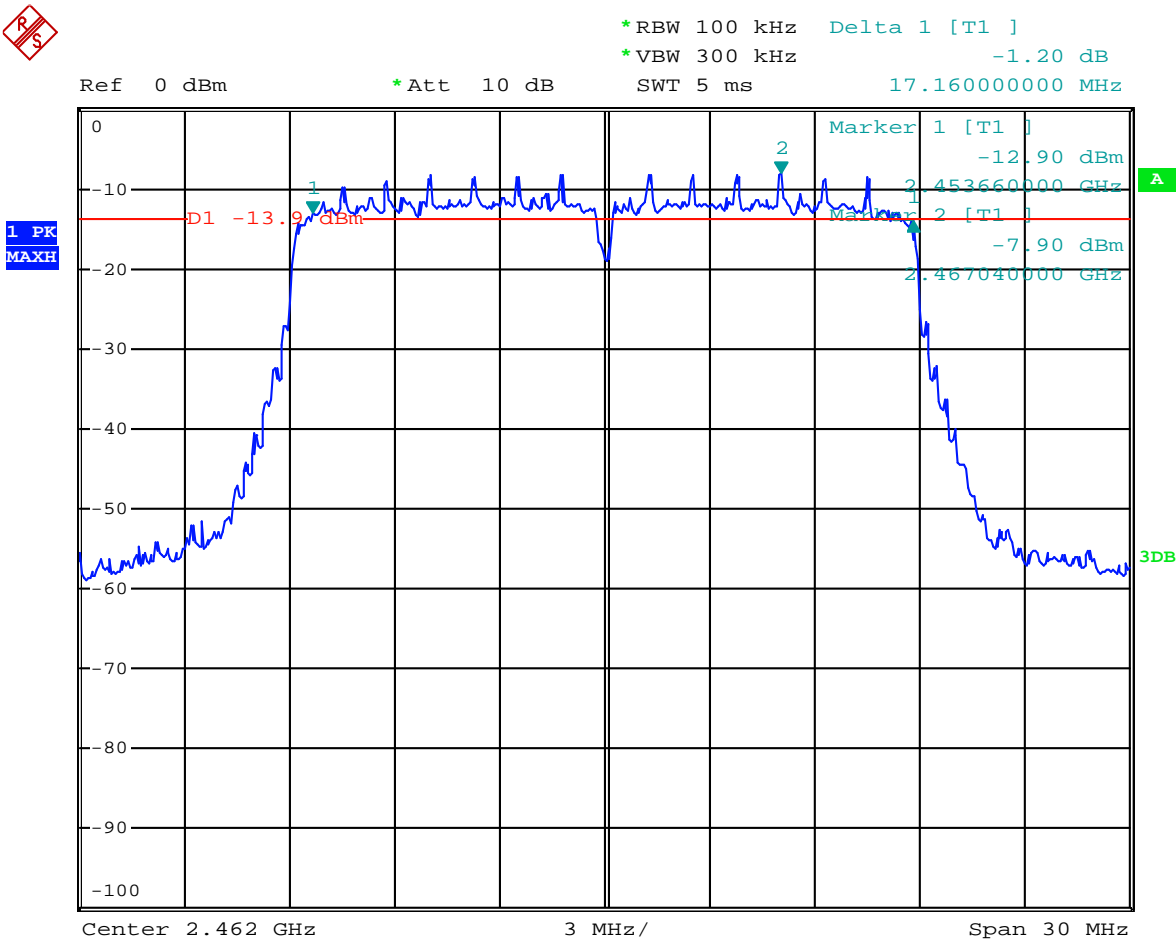


Date: 29.AUG.2025 14:43:08

The report refers only to the sample tested and does not apply to the bulk.
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3. 802.11n at HT20 of CH11



Date: 29.AUG.2025 15:25:04

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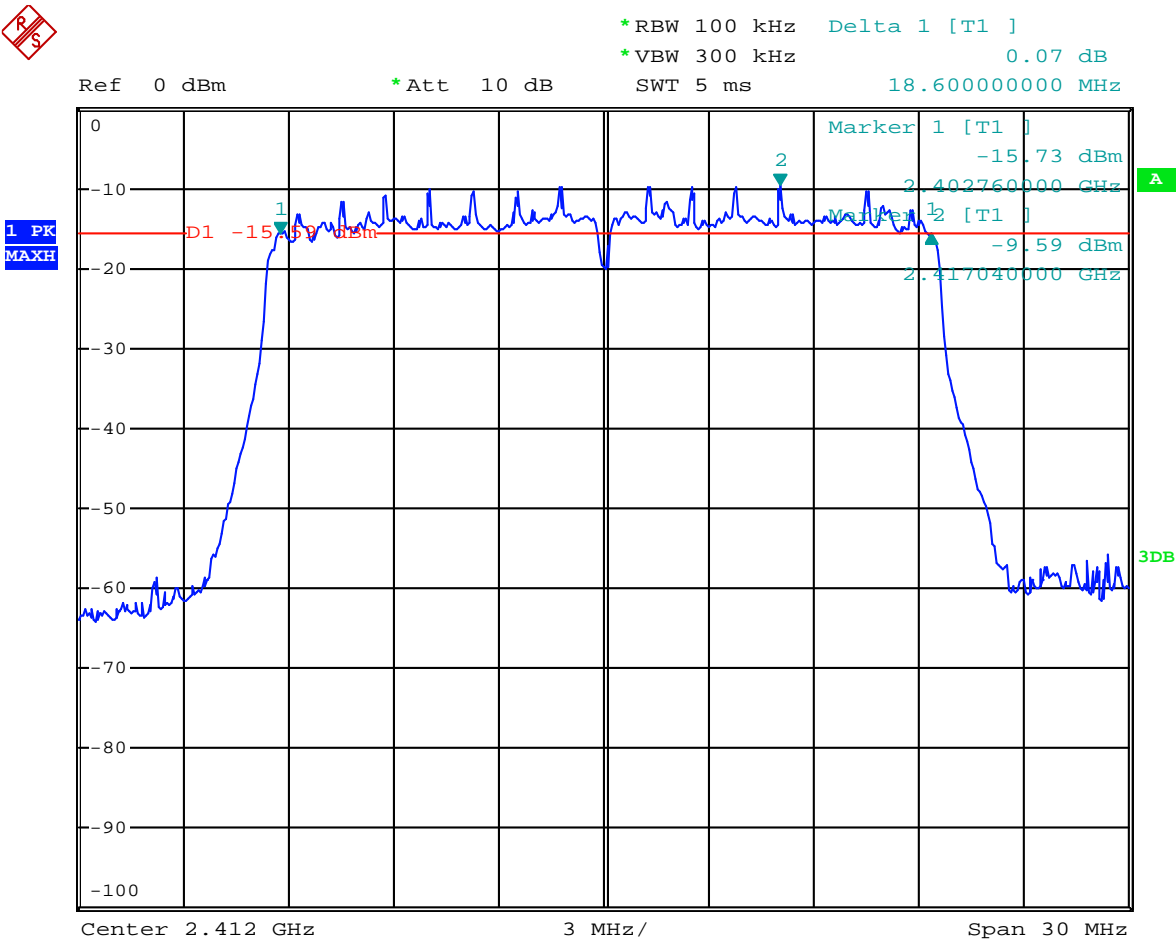
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11ax HEW20		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	mcs0	18.60	0.5	Pass
6	2437	mcs0	18.60	0.5	Pass
11	2462	mcs0	18.42	0.5	Pass

The report refers only to the sample tested and does not apply to the bulk.
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Test Plots:
1. 802.11ax HEW20 of CH01

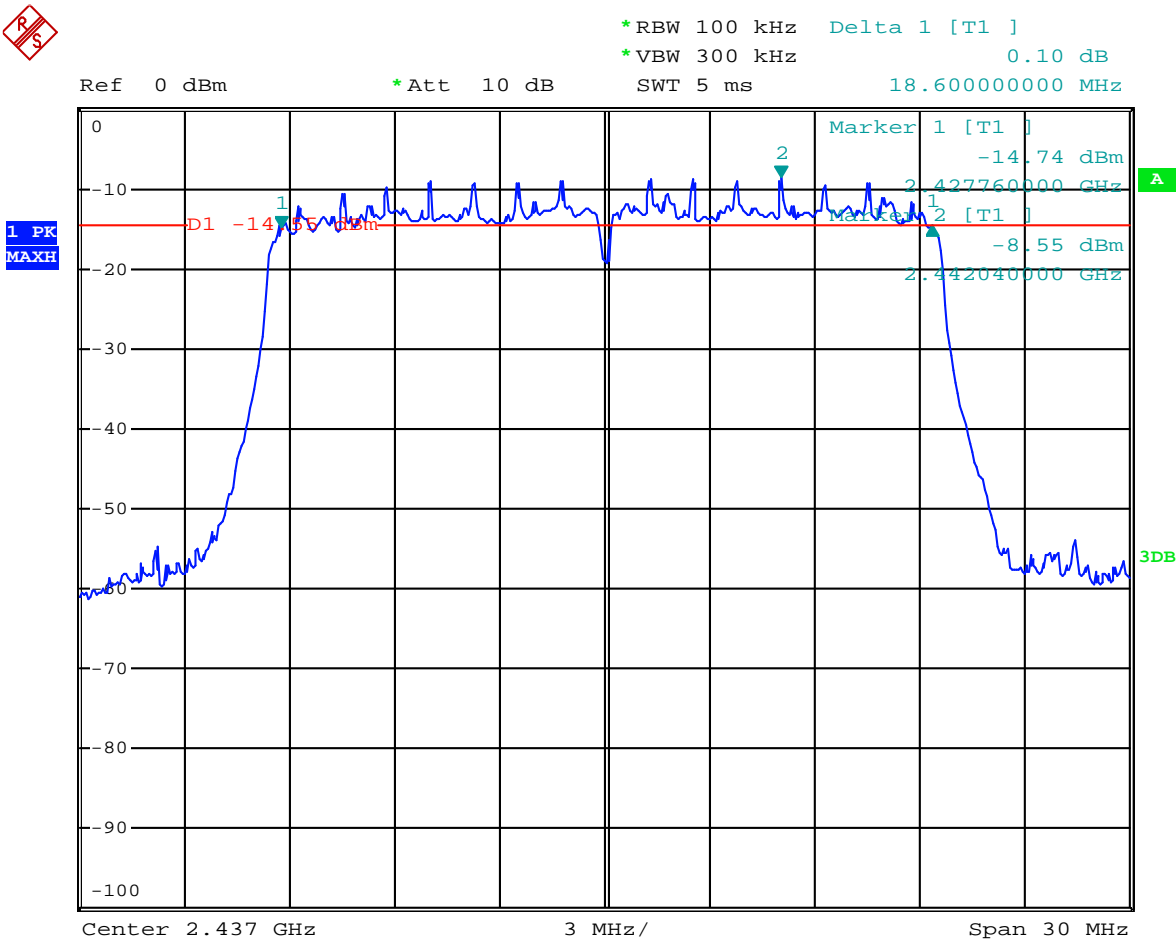


Date: 29.AUG.2025 14:33:46

The report refers only to the sample tested and does not apply to the bulk.
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2. 802.11ax HEW20 of CH06

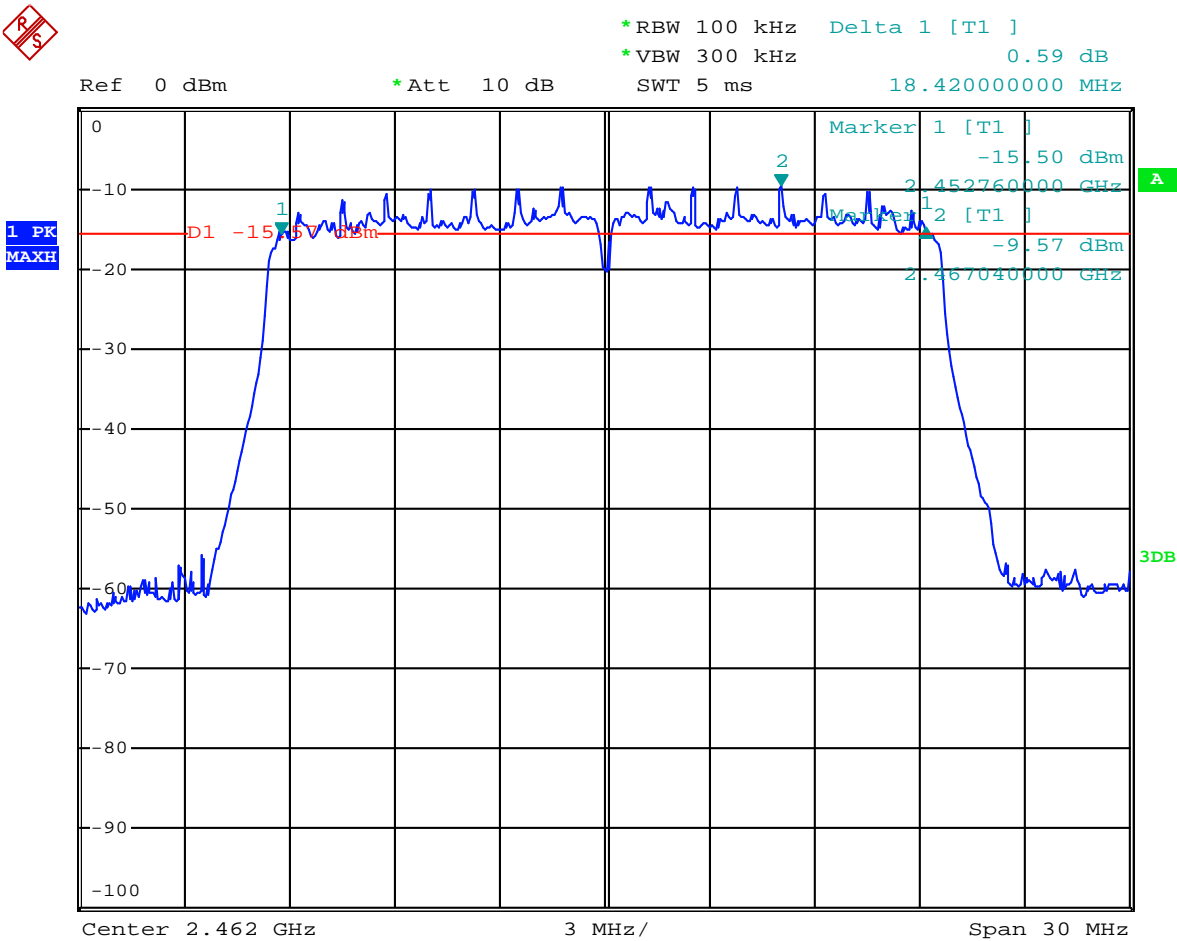


Date: 29.AUG.2025 14:37:36

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3. 802.11ax HEW20 of CH11



Date: 29.AUG.2025 15:29:39

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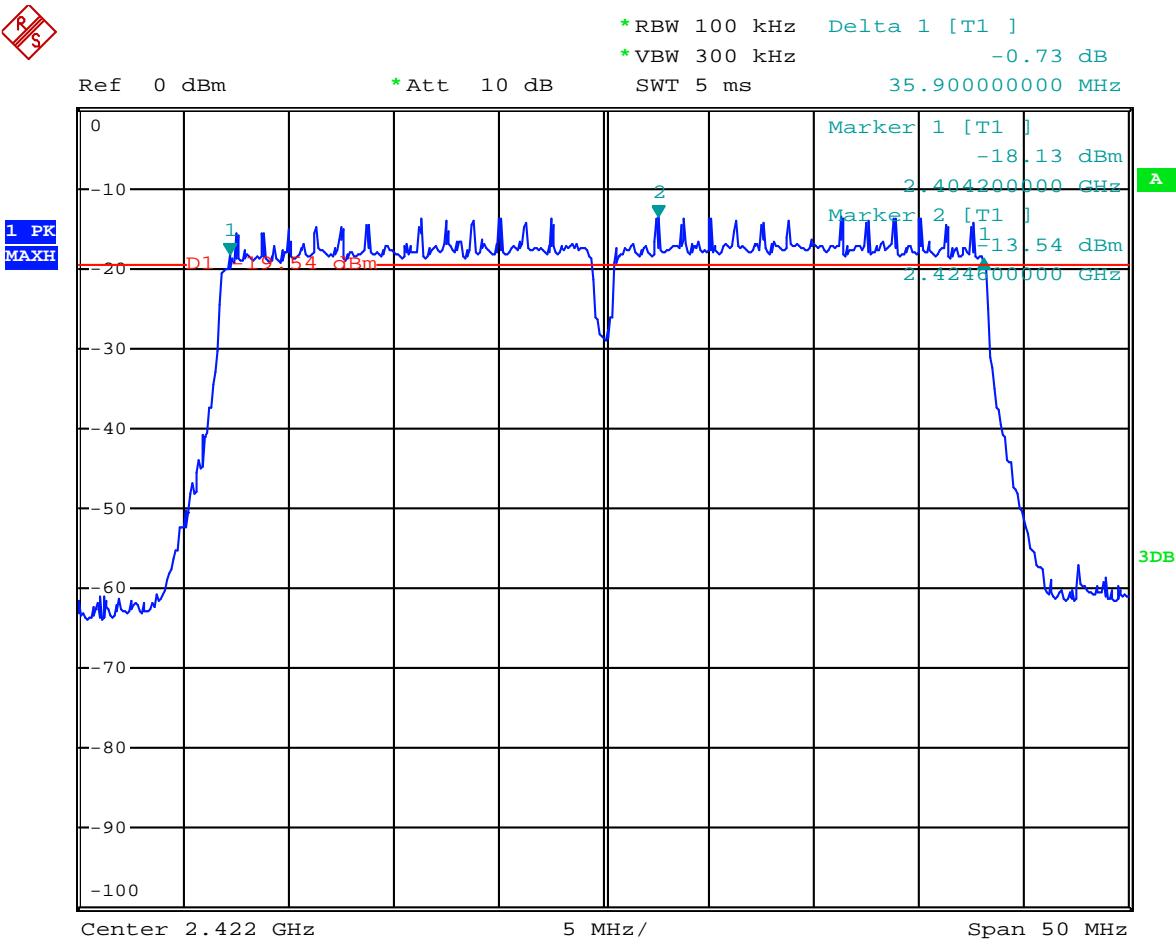
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11n HT40		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
3	2422	mcs0	35.90	0.5	Pass
6	2437	mcs0	36.30	0.5	Pass
9	2452	mcs0	36.30	0.5	Pass

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Test Plots:
1. 802.11n at HT40 of CH03

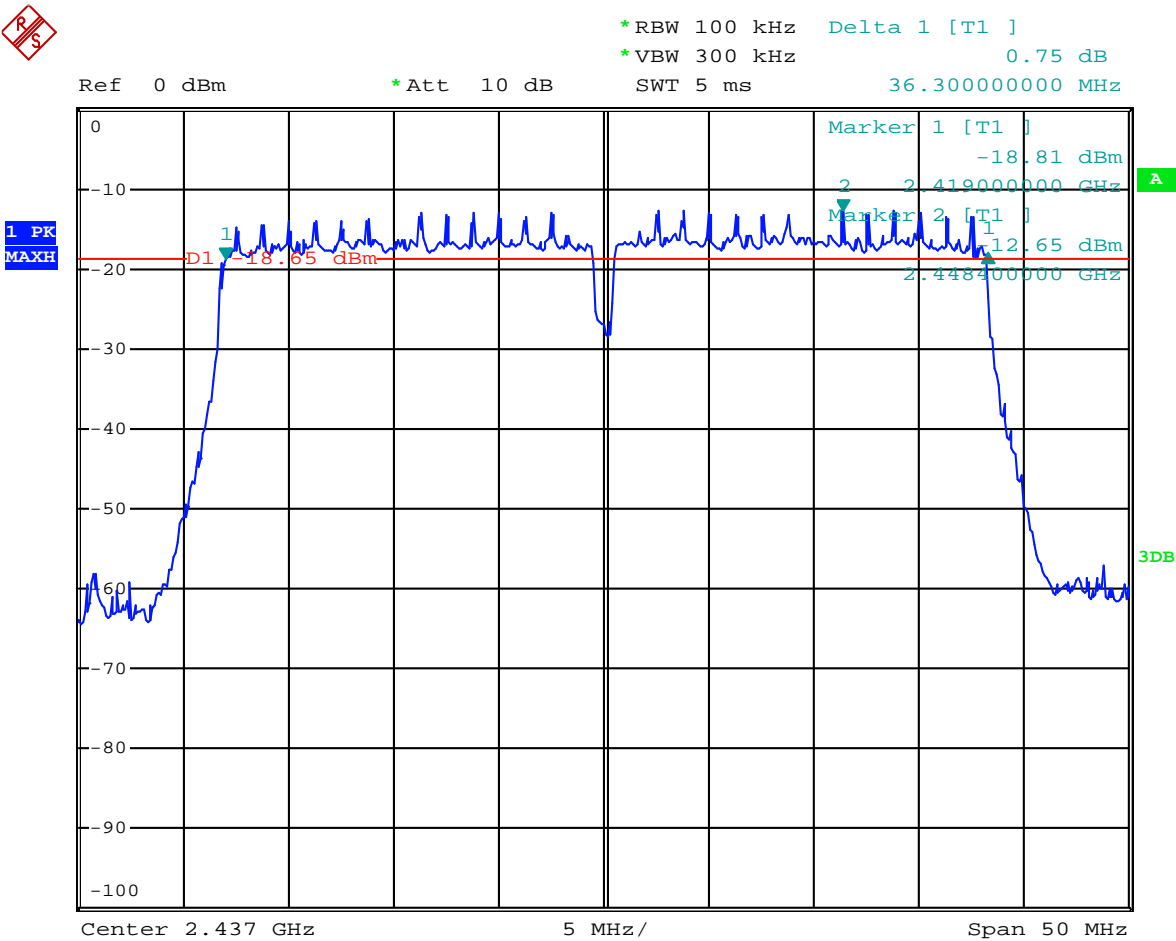


Date: 29.AUG.2025 15:34:20

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2. 802.11n at HT40 of CH06

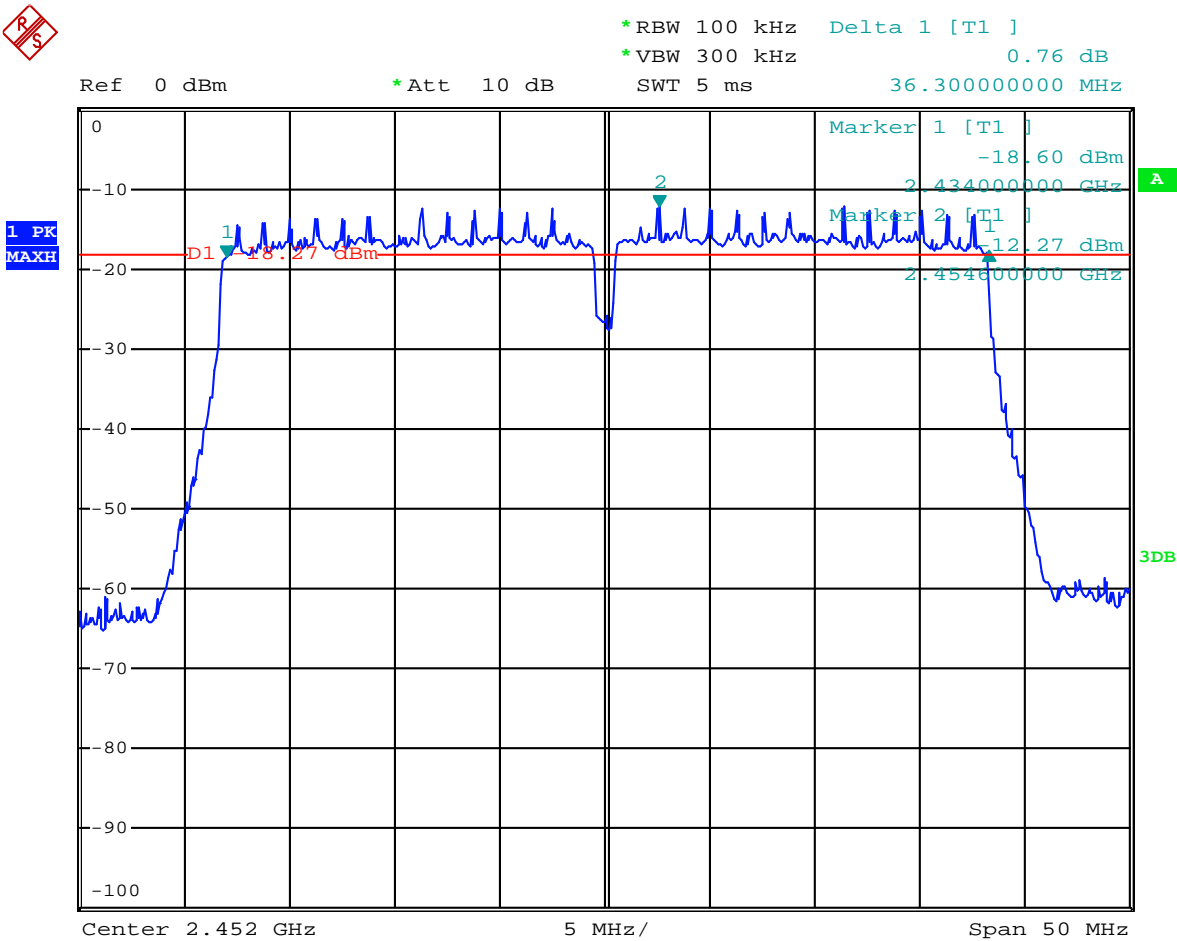


Date: 29.AUG.2025 15:53:00

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3. 802.11n at HT40 of CH09



Date: 29.AUG.2025 15:55:41

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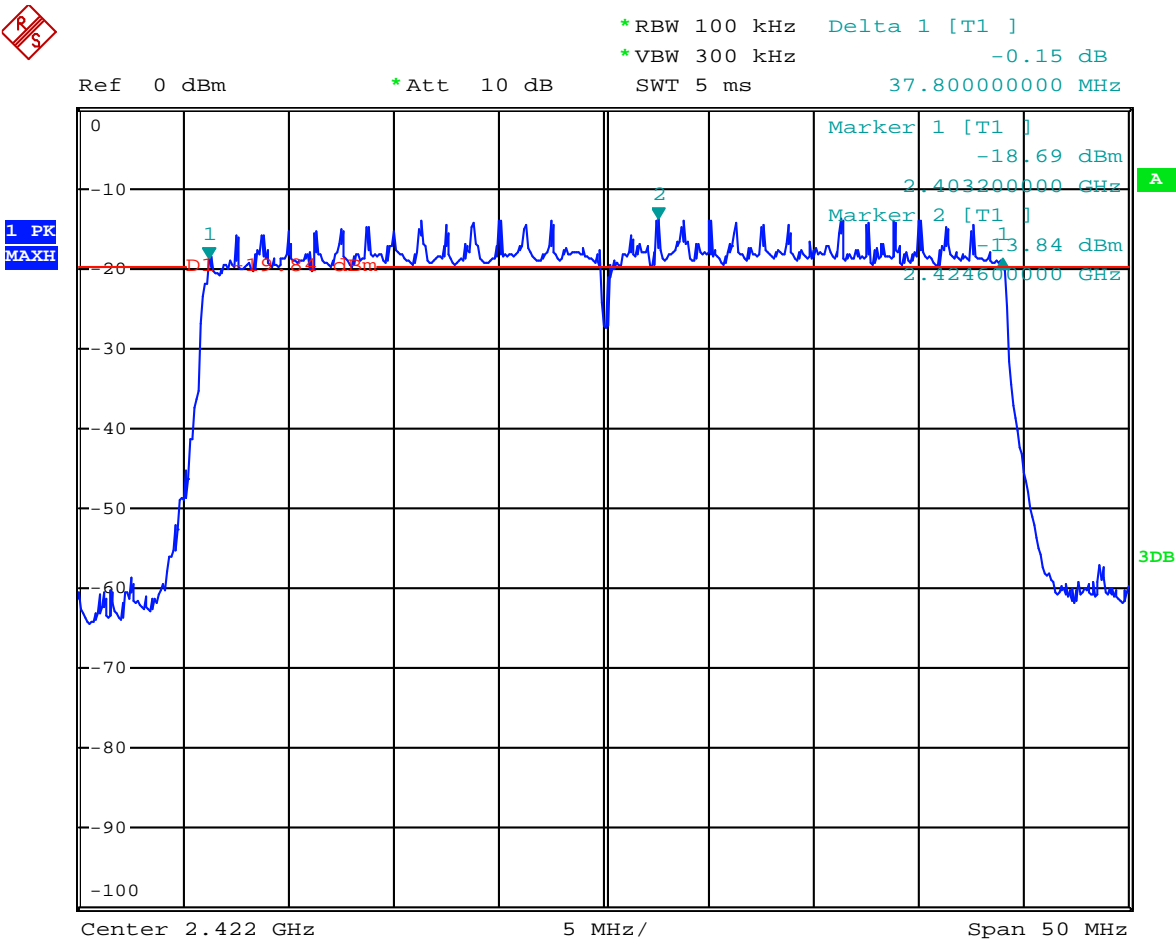
6dB Occupied Bandwidth

EUT		Pocket Voice Recorder		Model	PKT01
Mode		802.11ax HEW40		Test Voltage	DC3.8V
Temperature		24 deg. C,		Humidity	56% RH
Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
3	2422	mcs0	37.80	0.5	Pass
6	2437	mcs0	37.80	0.5	Pass
9	2452	mcs0	37.80	0.5	Pass

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Test Plots:
1. 802.11ax HEW40 of CH03

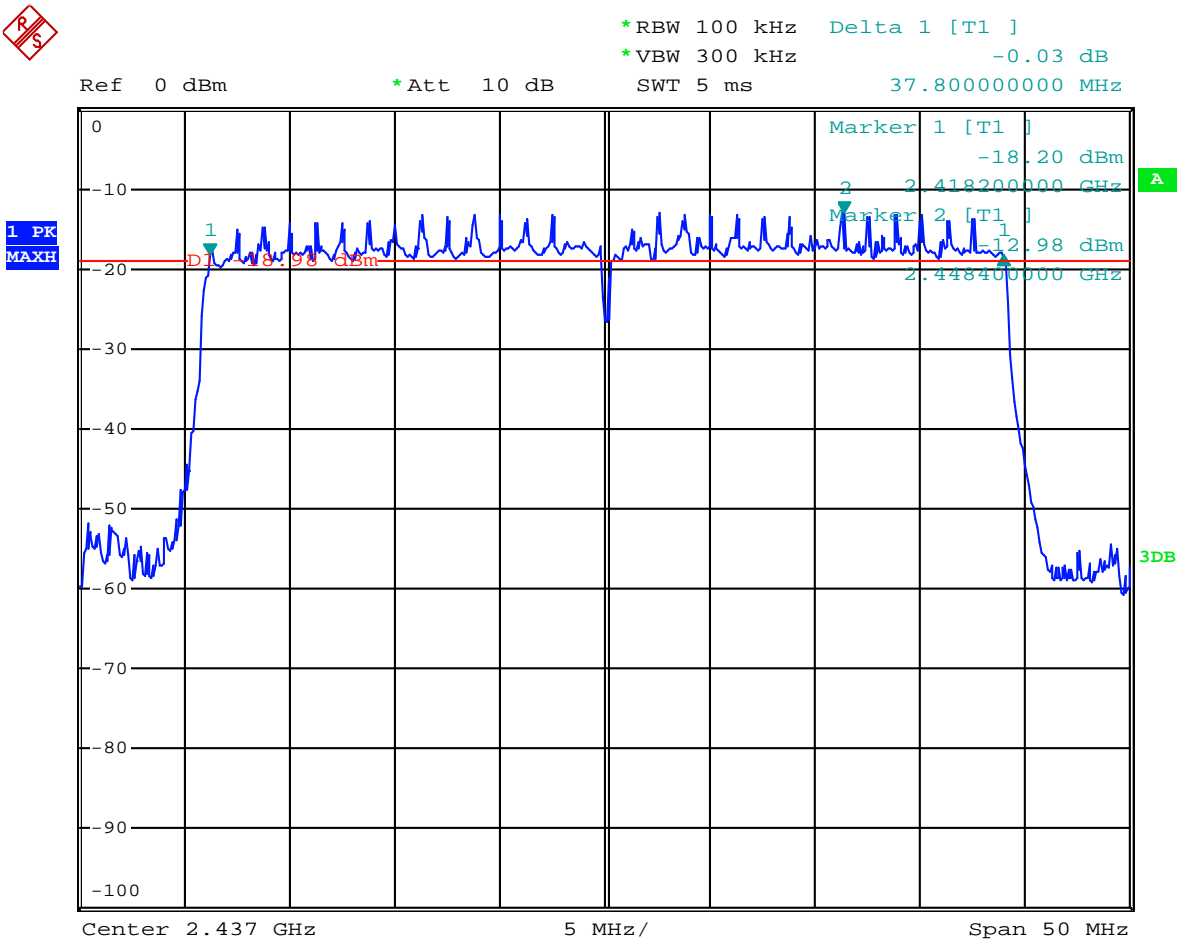


Date: 29.AUG.2025 15:40:47

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2. 802.11ax HEW40 of CH06

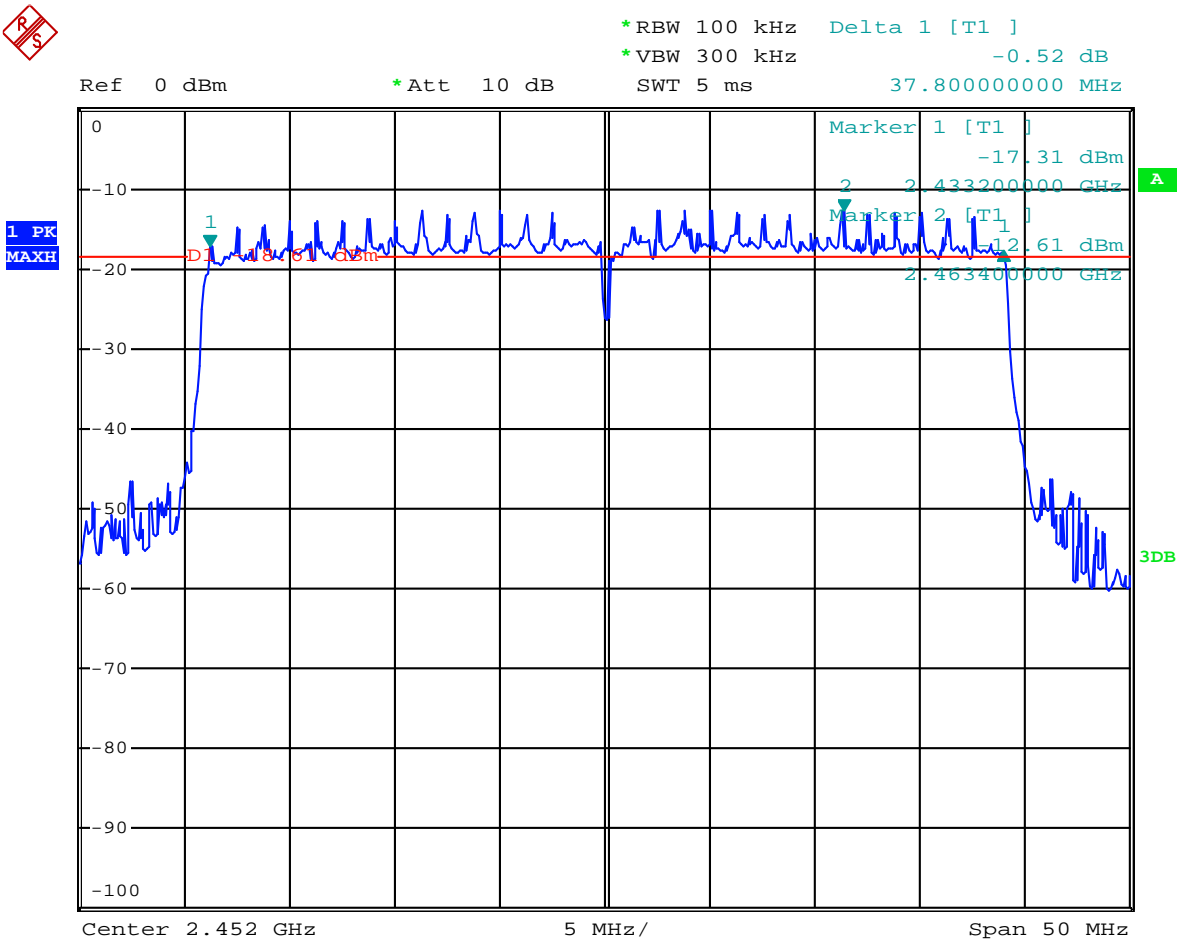


Date: 29.AUG.2025 15:49:45

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3. 802.11ax HEW40 of CH09



Date: 29.AUG.2025 15:58:38

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8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: The AV power was measured

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8.4 Test Results

EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11b		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
1	2412	1.20	30	Pass
6	2437	1.84	30	Pass
11	2462	2.37	30	Pass

Note: 1. At final test to get the worst-case emission at 1Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Power Output} = \text{Power Reading} + \text{Cable loss} + \text{Attenuator}$$

3. The worse case was recorded

EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11g		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
1	2412	0.73	30	Pass
6	2437	1.68	30	Pass
11	2462	1.99	30	Pass

Note: 1. At final test to get the worst-case emission at 6Mbps for CH01, CH06 and CH11

2. The result basic equation calculation as follow:

$$\text{Power Output} = \text{Power Reading} + \text{Cable loss} + \text{Attenuator}$$

3. The worse case was recorded

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EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11n (HT20)		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
1	2412	0.48	30	Pass
6	2437	1.60	30	Pass
11	2462	1.93	30	Pass

- Note: 1. At final test to get the worst-case emission at mcs0 of 11n HT20 for CH01, CH06 and CH11
2. The result basic equation calculation as follow:
Power Output = Power Reading + Cable loss + Attenuator
3. The worse case was recorded

EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11ax HEW20		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
1	2412	1.31	30	Pass
6	2437	1.89	30	Pass
11	2462	1.98	30	Pass

- Note: 1. At final test to get the worst-case emission at mcs0 of 11n HT20 for CH01, CH06 and CH11
2. The result basic equation calculation as follow:
Power Output = Power Reading + Cable loss + Attenuator
3. The worse case was recorded

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EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11n (HT40)		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
3	2422	-0.65	30	Pass
6	2437	-0.09	30	Pass
9	2452	0.11	30	Pass

Note: 1. At final test to get the worst-case emission at msc0 of 11n HT40 for CH03, CH06 and CH09

2. The result basic equation calculation as follow:

Power Output = Power Reading + Cable loss + Attenuator

3. The worse case was recorded

EUT	Pocket Voice Recorder		Model	PKT01
Mode	802.11ax HEW40		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Channel	Frequency (MHz)	AV Power (dBm)	Power Limit (dBm)	Pass/ Fail
3	2422	-0.68	30	Pass
6	2437	-0.22	30	Pass
9	2452	-0.16	30	Pass

Note: 1. At final test to get the worst-case emission at msc0 of 11n HT40 for CH03, CH06 and CH09

2. The result basic equation calculation as follow:

Power Output = Power Reading + Cable loss + Attenuator

3. The worse case was recorded

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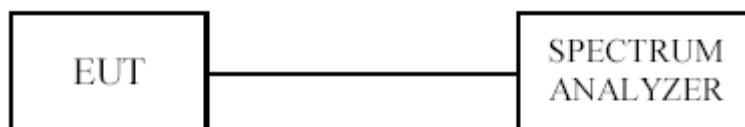
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

9.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 10 kHz.
3. Set the VBW \geq 30 kHz.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be \leq 8 dBm/3kHz.

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9.4 Test Result

EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11b 11Mbps		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
1	2412	-17.76		8	Pass
6	2437	-17.40		8	Pass
11	2462	-16.99		8	Pass

EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11b 1Mbps		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
1	2412	-18.33		8	Pass
6	2437	-18.10		8	Pass
11	2462	-17.72		8	Pass

EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11g 6Mbps		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
1	2412	-19.58		8	Pass
6	2437	-19.73		8	Pass
11	2462	-20.15		8	Pass

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EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11n HT20 mcs0		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
1	2412	-22.37		8	Pass
6	2437	-21.25		8	Pass
11	2462	-20.69		8	Pass

EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11ax HEW20		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
1	2412	-22.77		8	Pass
6	2437	-21.71		8	Pass
11	2462	-21.31		8	Pass

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EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11n HT40 mcs0		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
3	2422	-23.74		8	Pass
6	2437	-22.92		8	Pass
9	2452	-22.52		8	Pass

EUT	Pocket Voice Recorder		Model	PKT01	
Mode	802.11ax HEW40		Test Voltage	DC3.8V	
Temperature	24 deg. C,		Humidity	56% RH	
Channel	Frequency (MHz)	Power Spectral Density (dBm/10kHz)		Limit (dBm/3kHz)	Pass/ Fail
3	2422	-25.59		8	Pass
6	2437	-24.67		8	Pass
9	2452	-24.29		8	Pass

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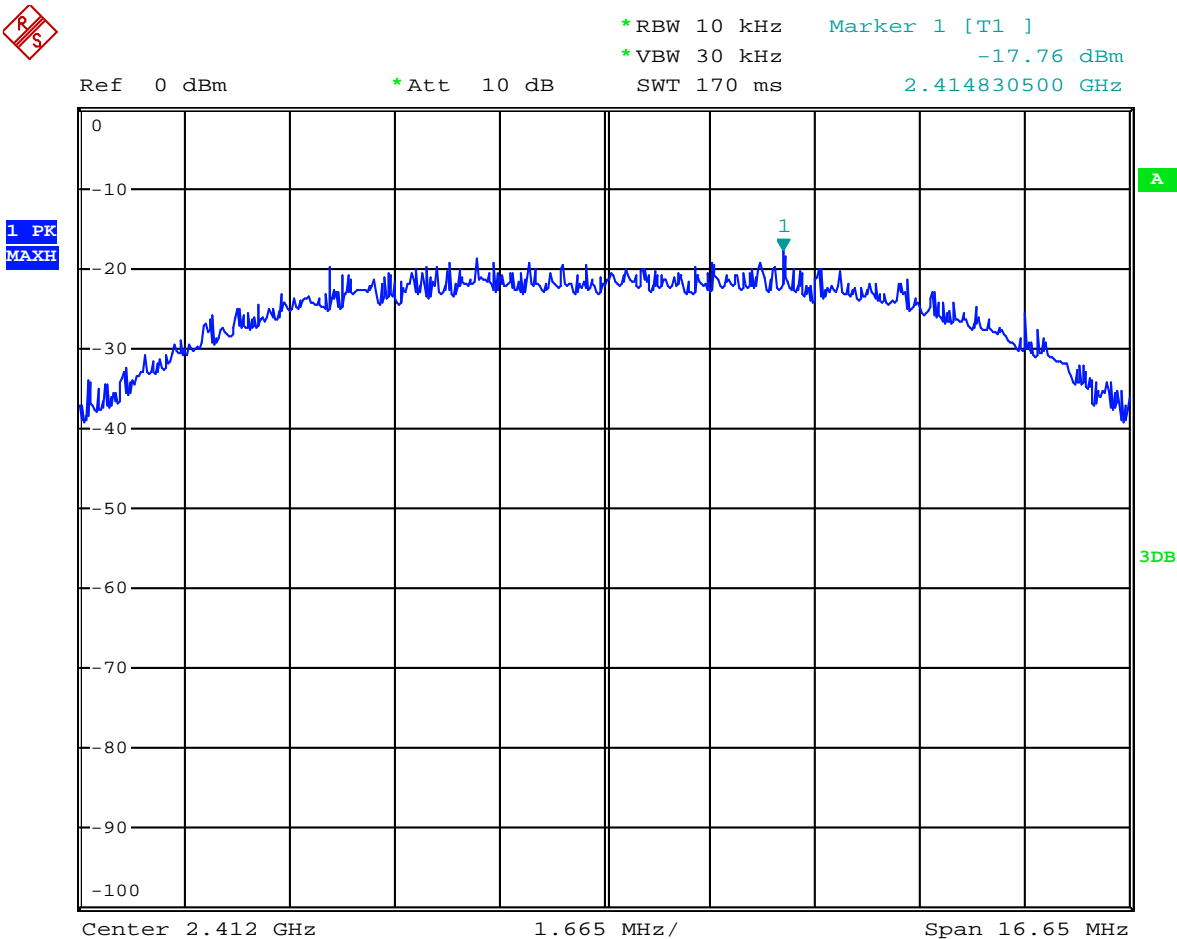
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9.5 Photo of Power Spectral Density Measurement

1.802.11b at 11Mbps of CH01

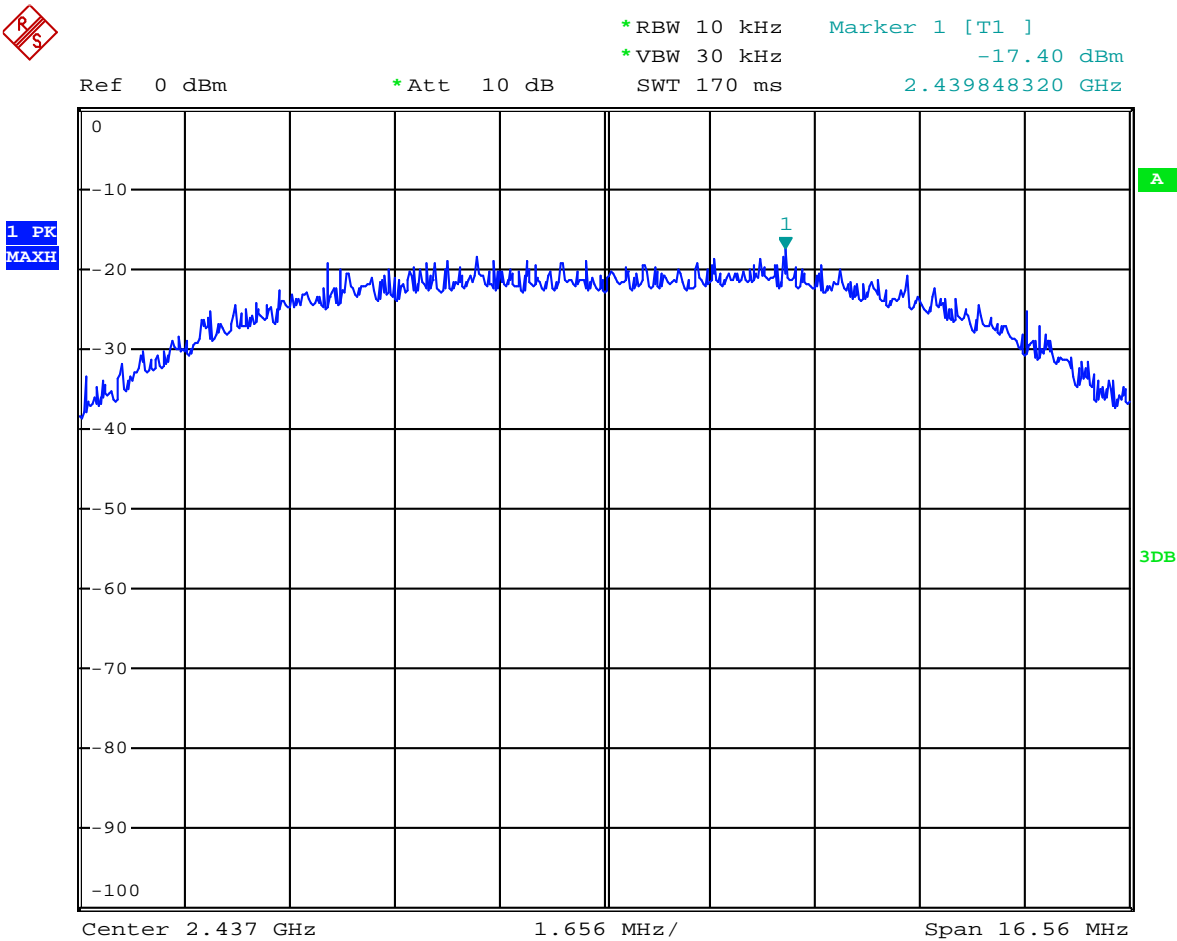


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2. 802.11b at 11Mbps at CH06

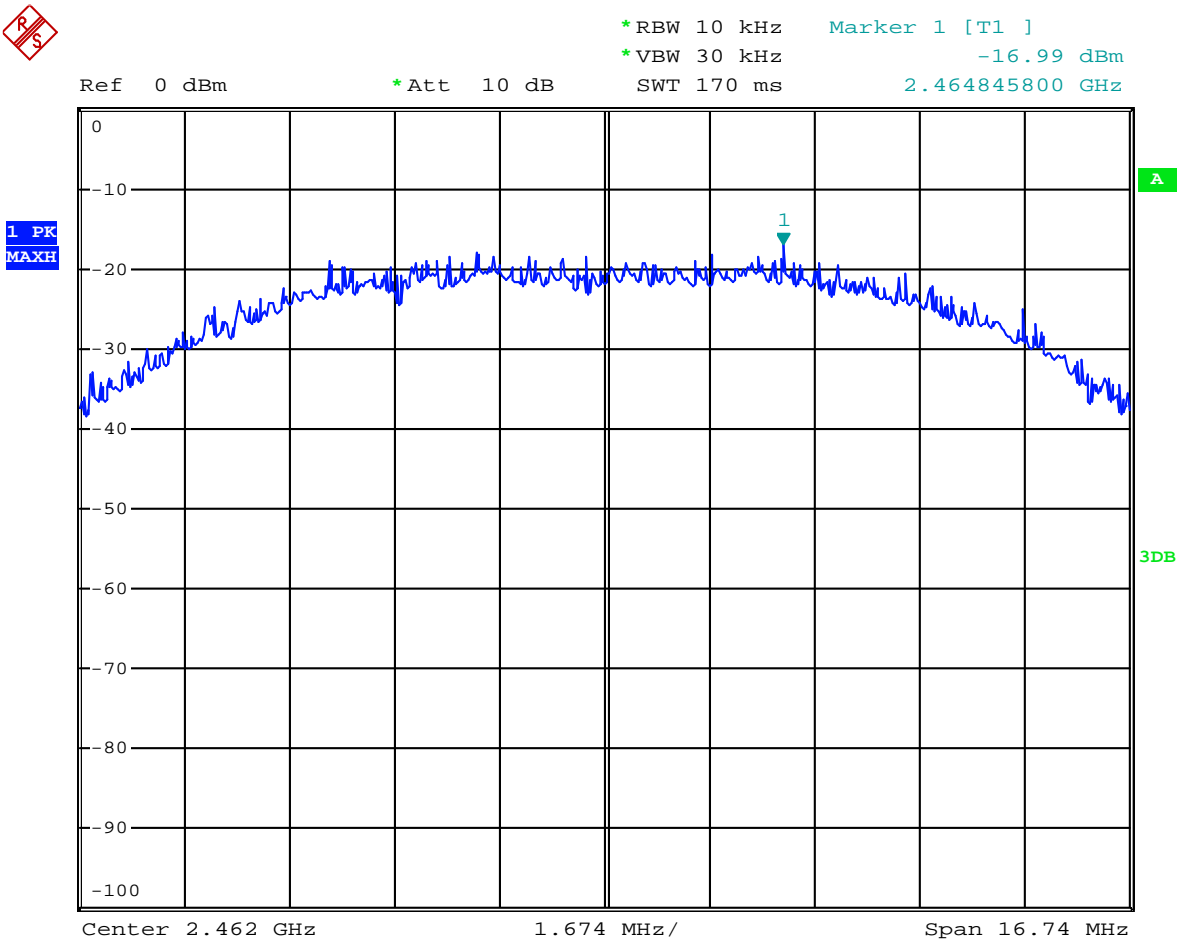


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3. 802.11b at 11Mbps of CH11

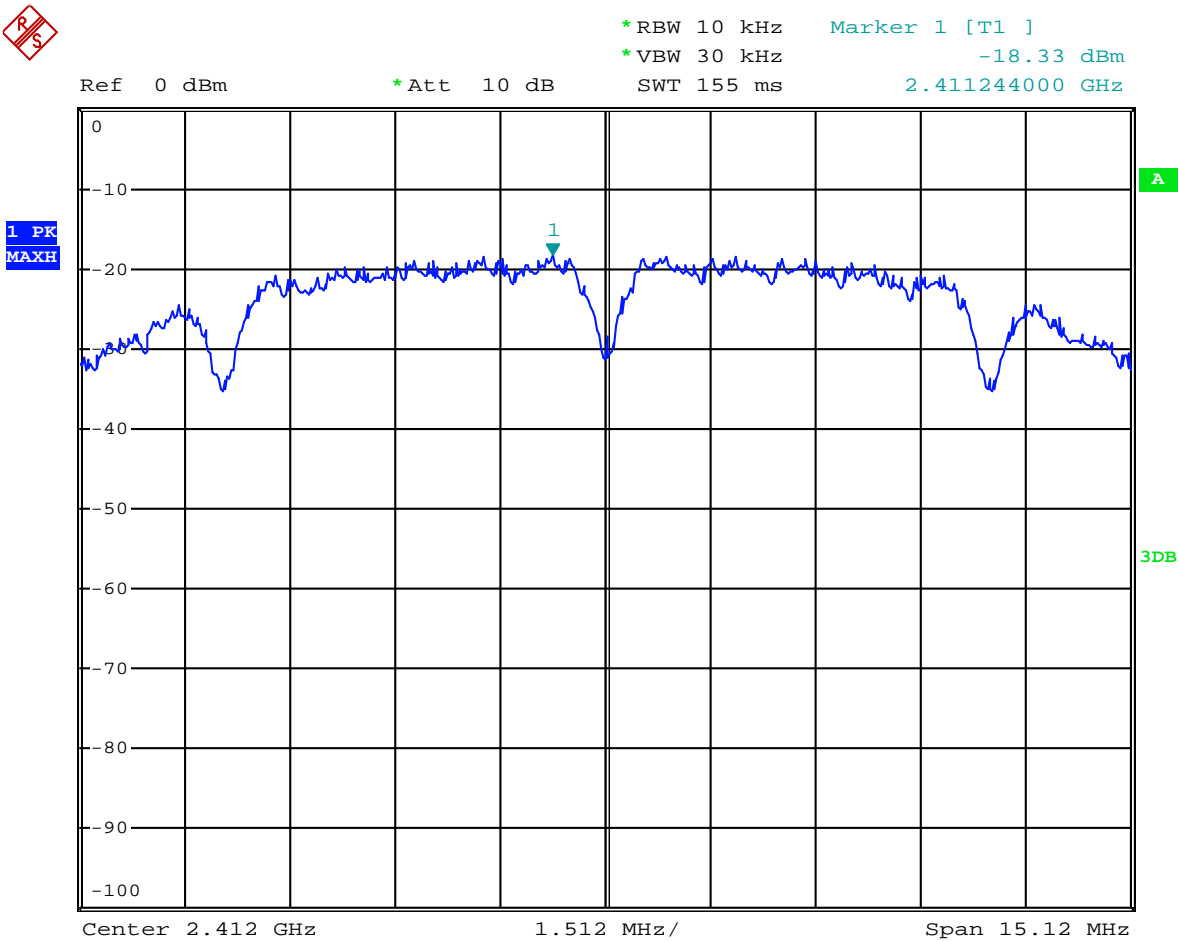


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4. 802.11b at 1Mbps of CH1

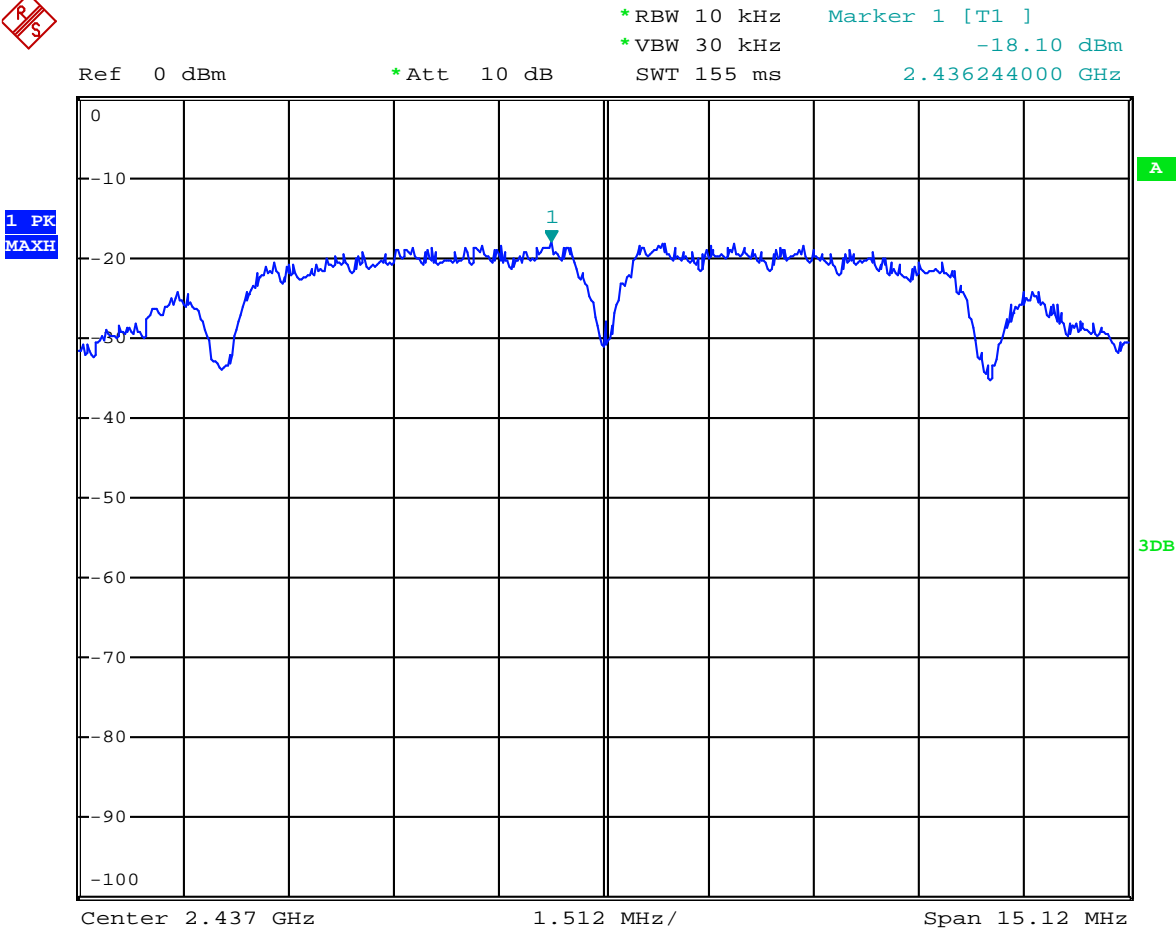


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5. 802.11b at 1Mbps of CH6

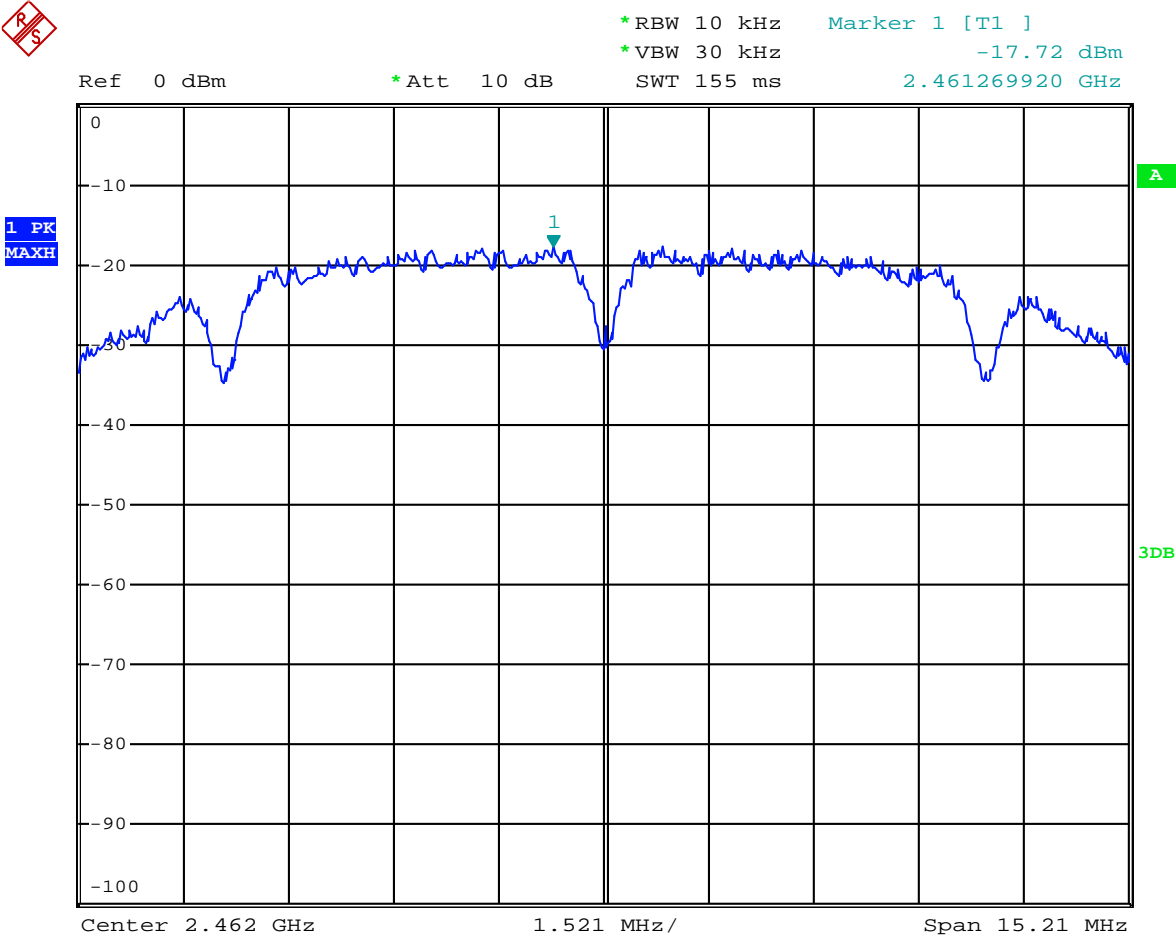


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6. 802.11b at 1Mbps of CH11

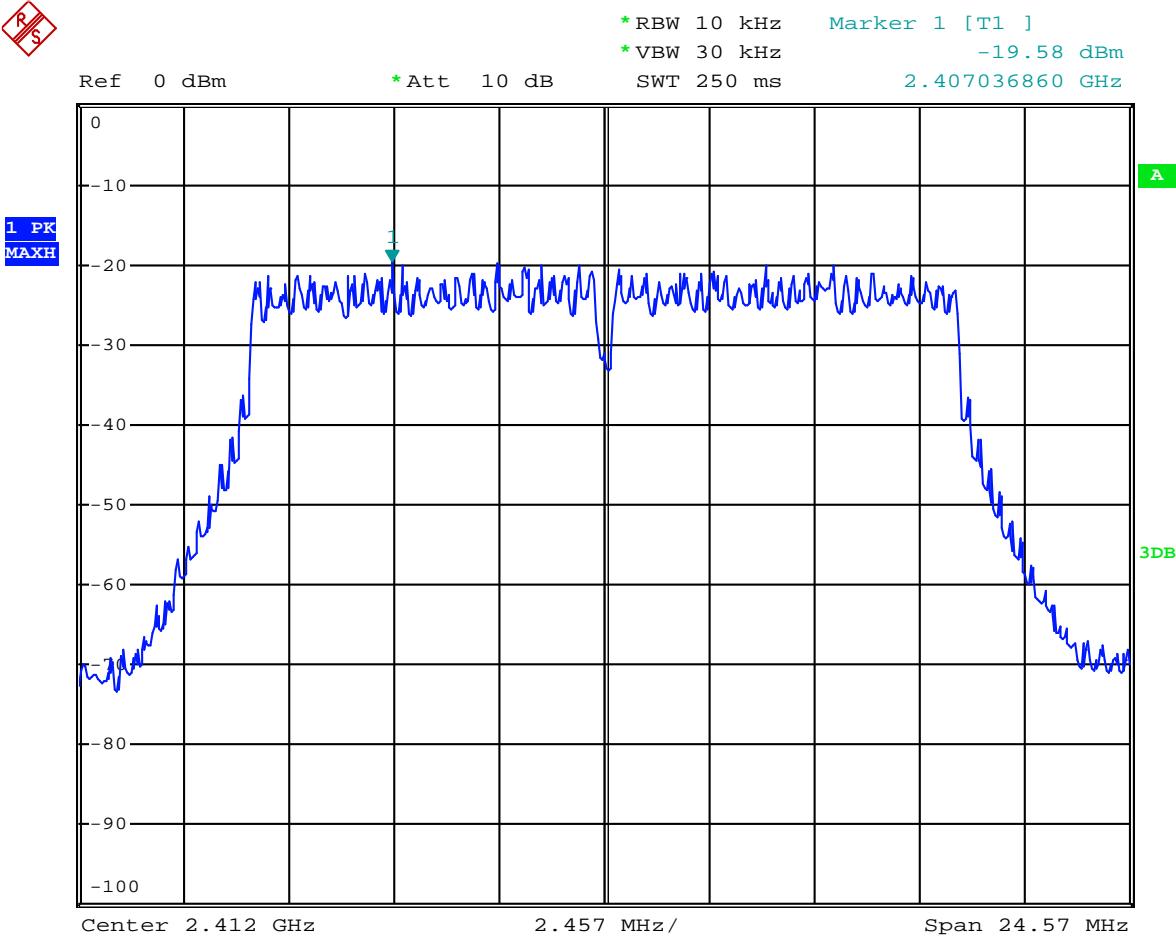


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7. 802.11g at 6Mbps of CH1

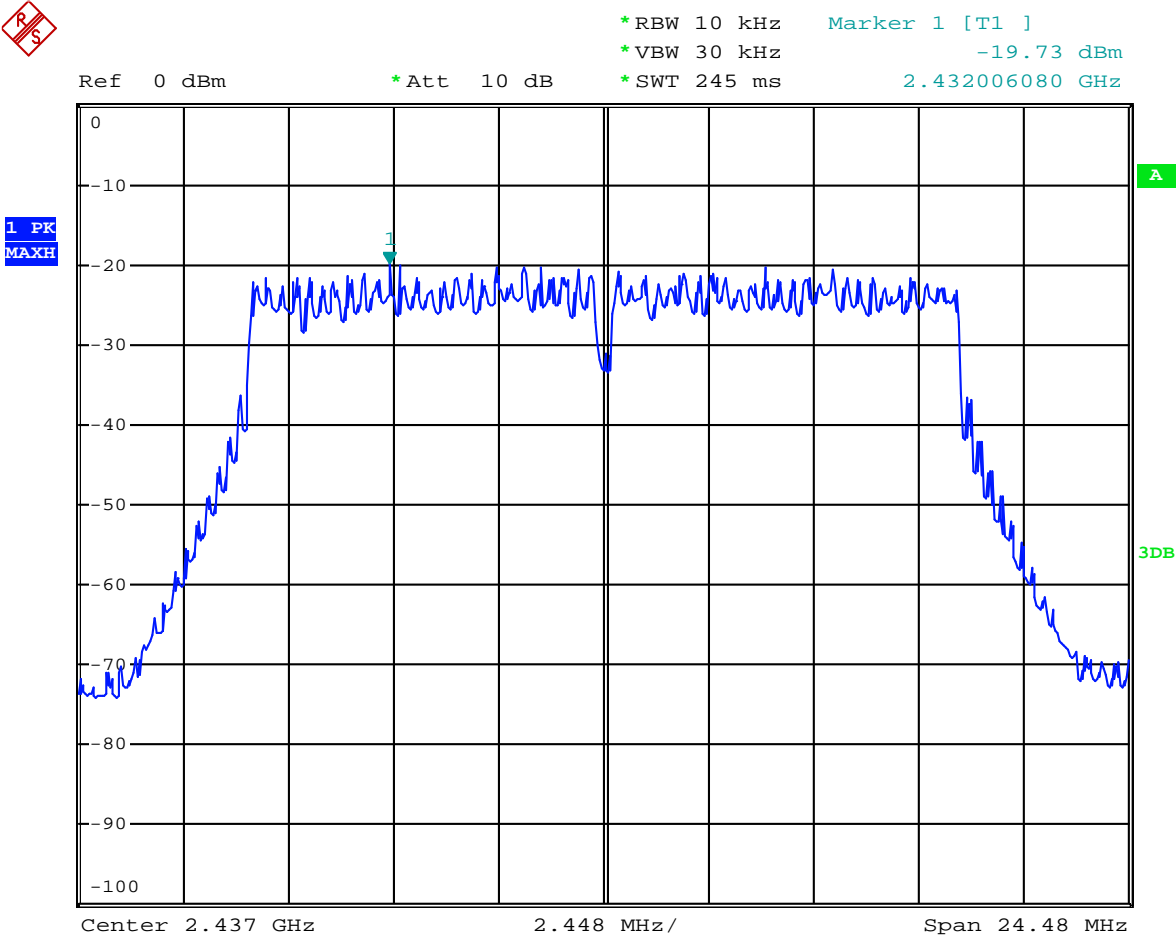


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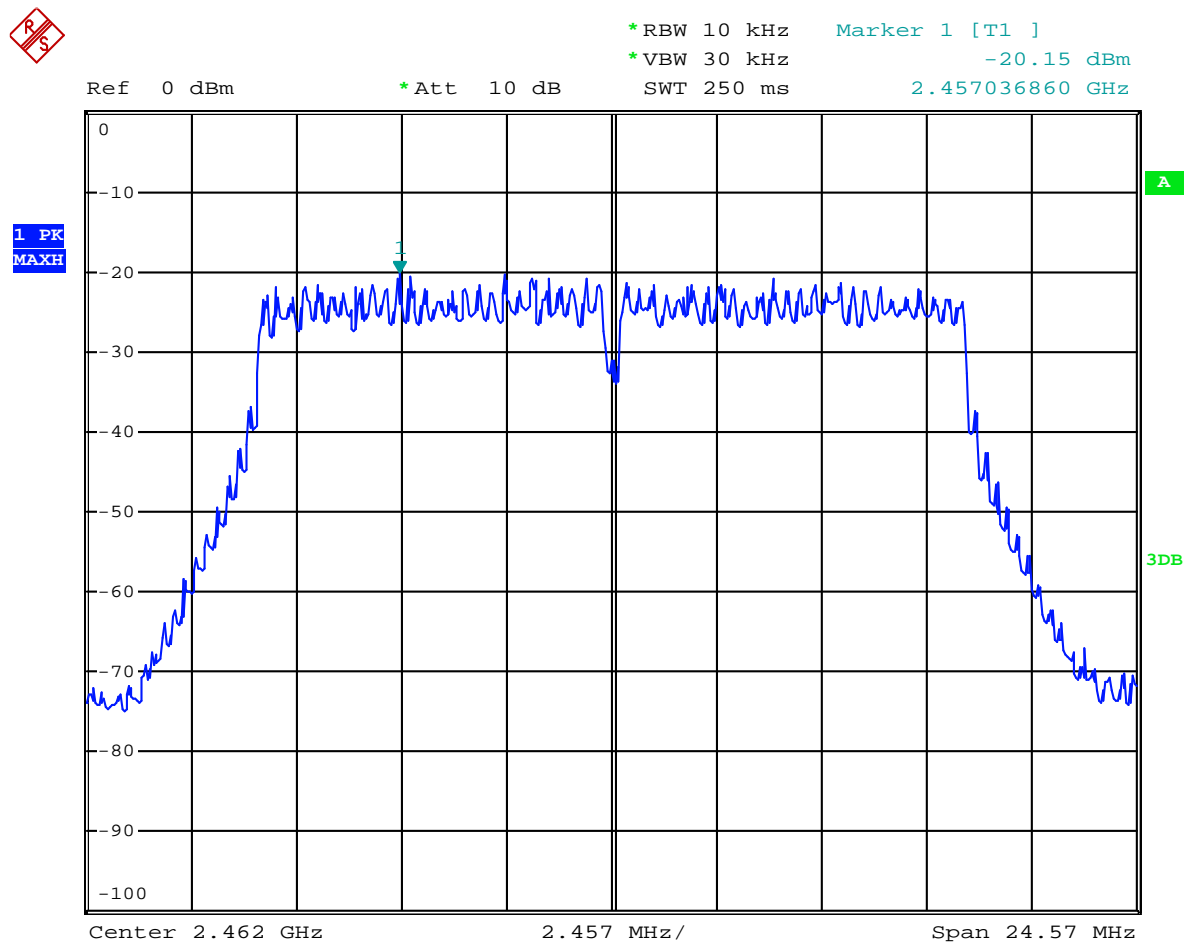


8. 802.11g at 6Mbps of CH6



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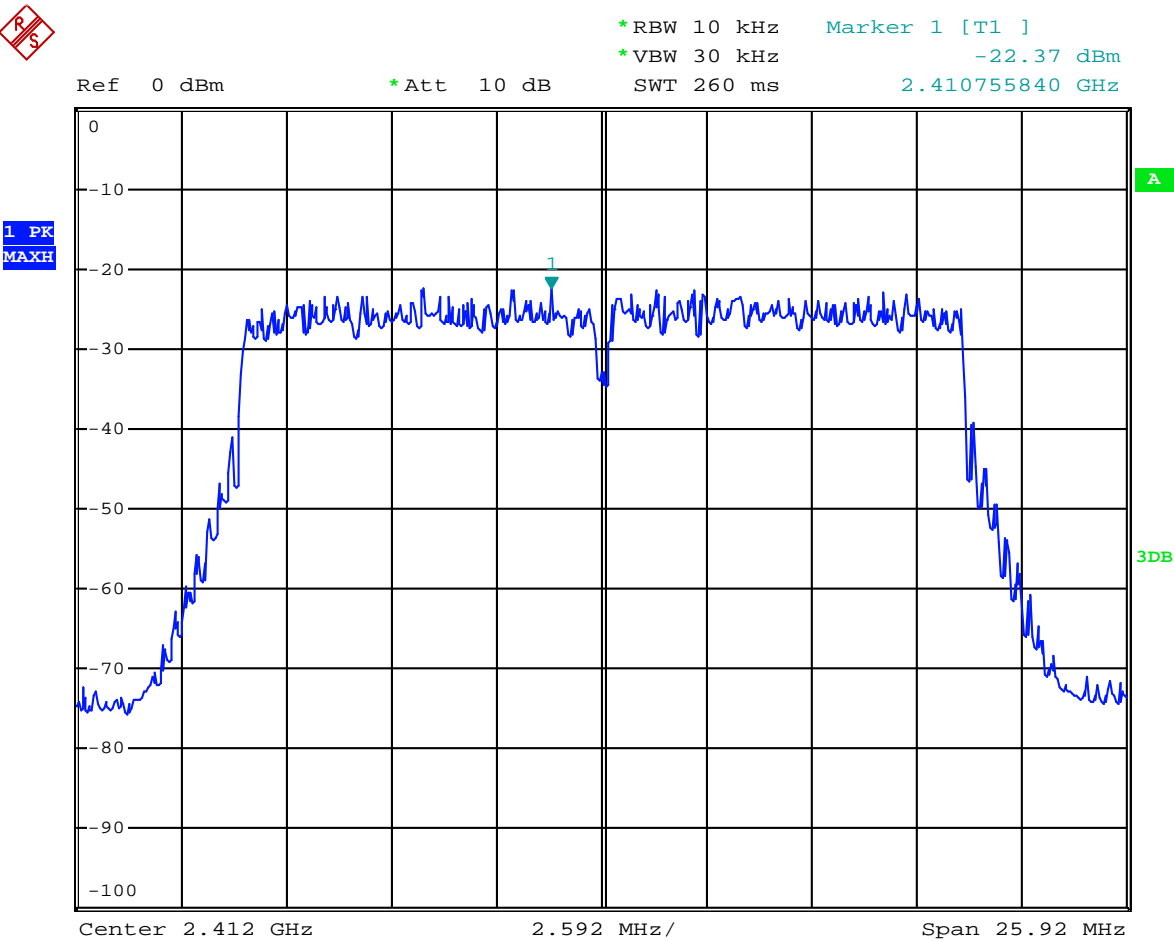


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10. 802.11n at HT20 of CH01

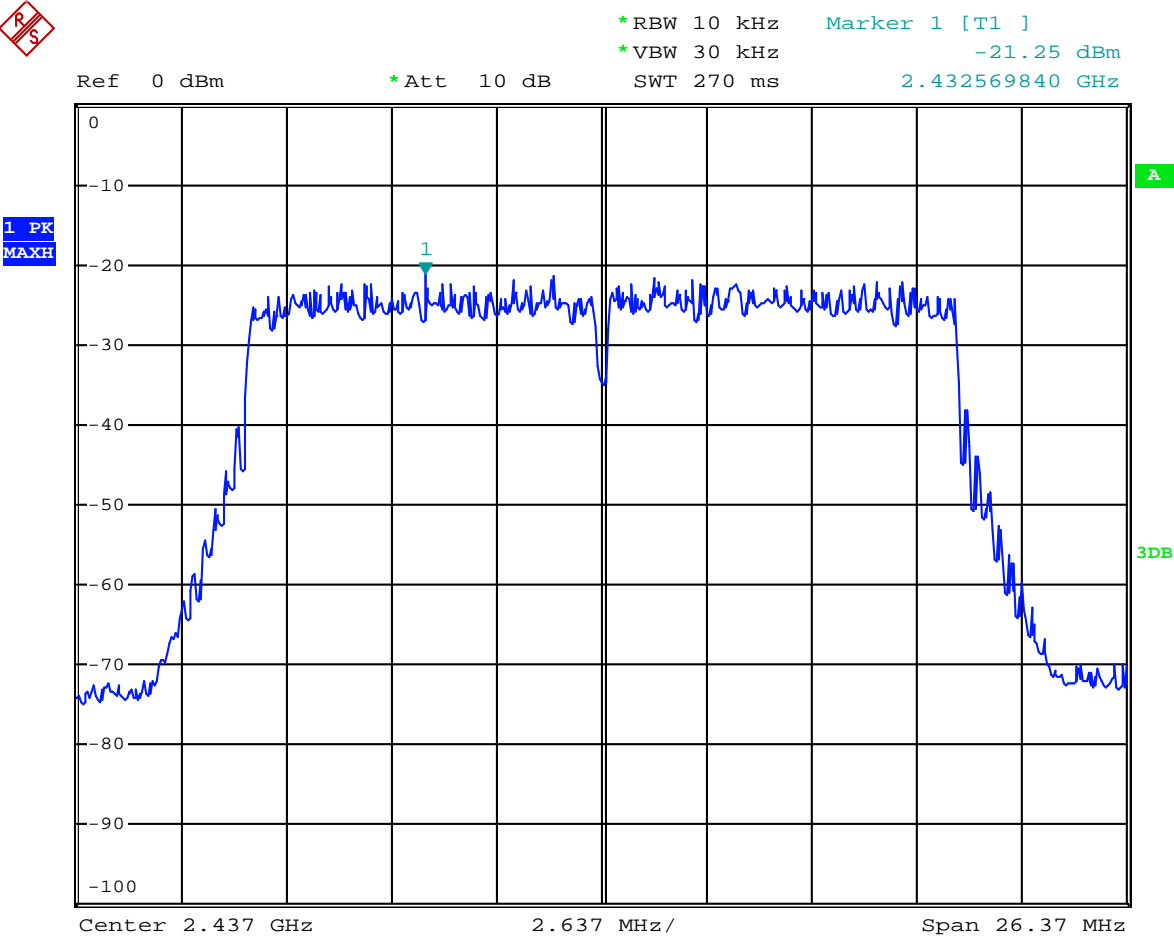


Date: 30.AUG.2025 10:13:47

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11. 802.11n at HT20 of CH06

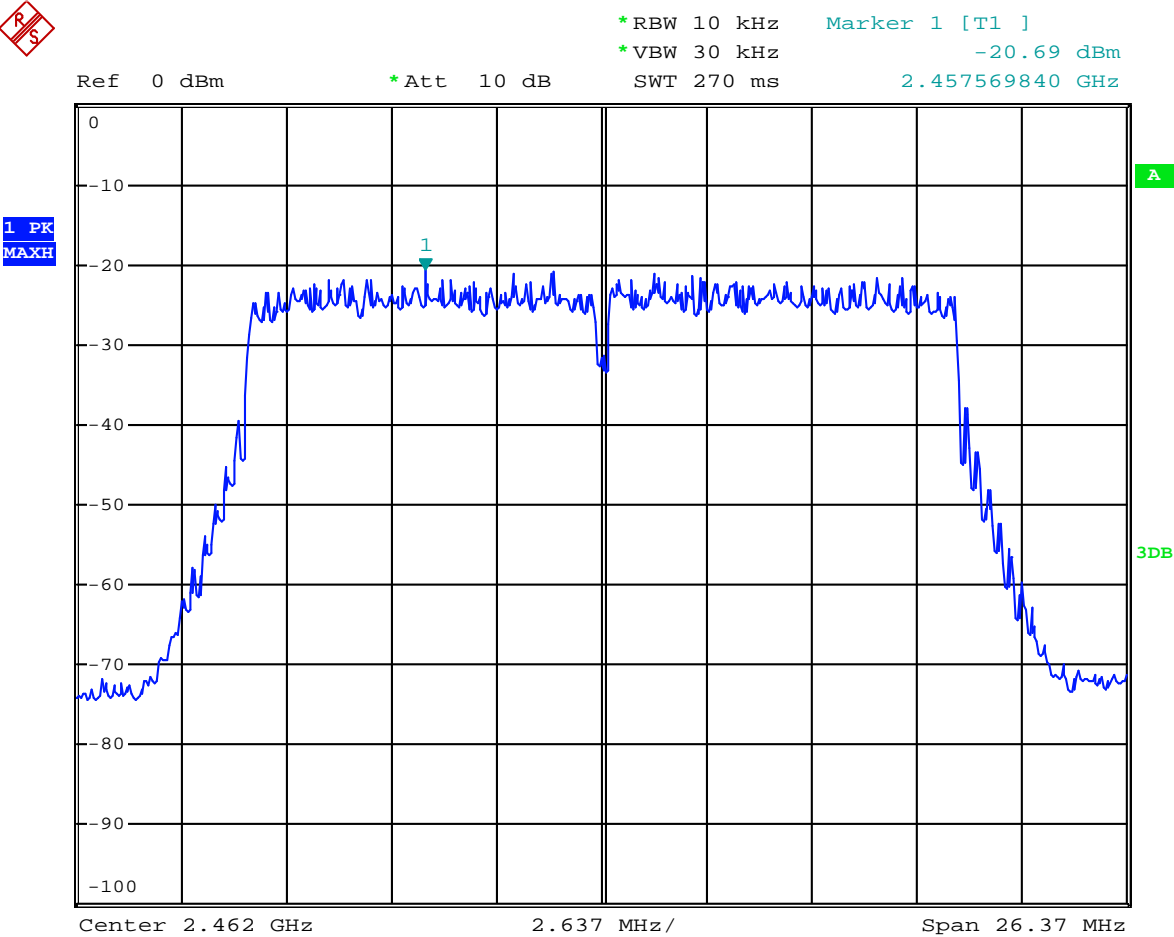


Date: 30.AUG.2025 10:11:10

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12. 802.11n at HT20 of CH11

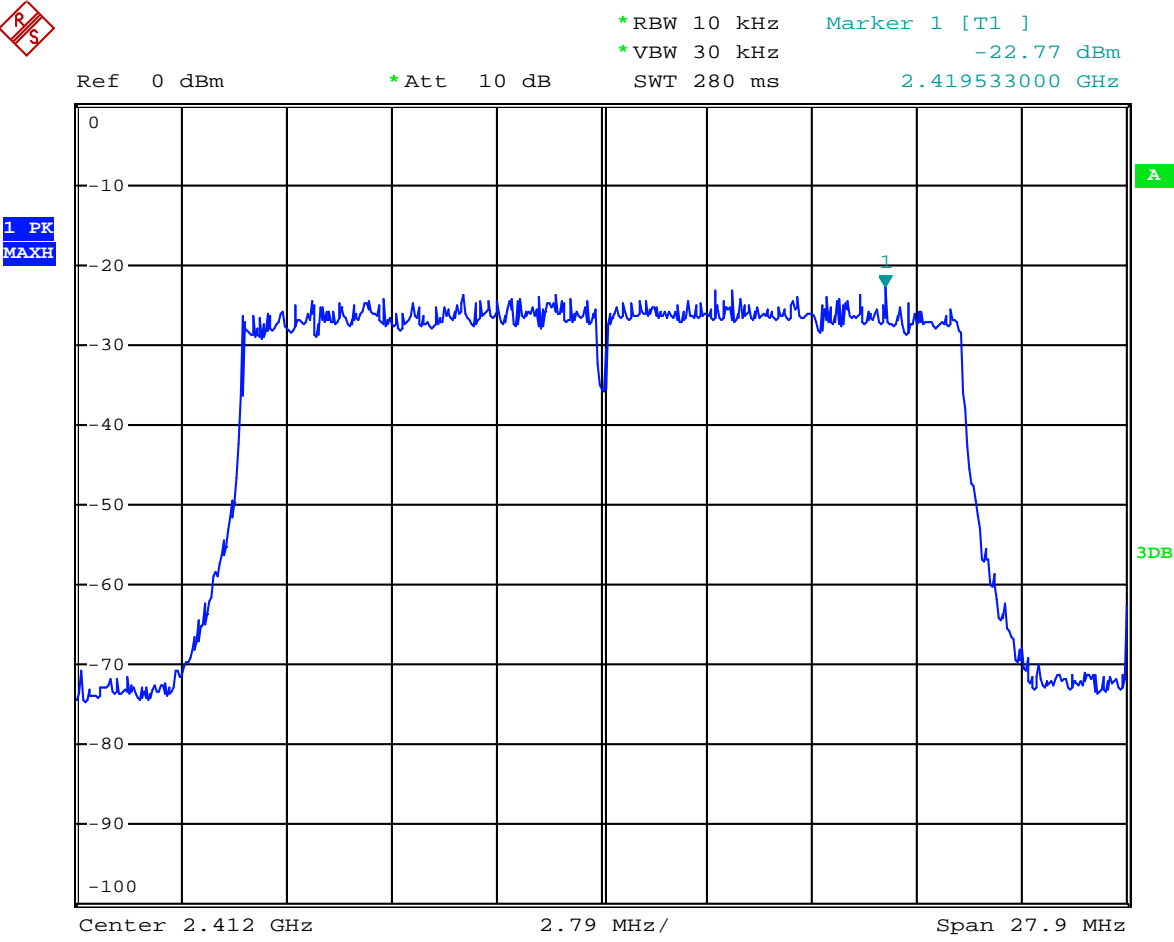


Date: 30.AUG.2025 10:06:31

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13. 802.11ax HEW20 of CH01

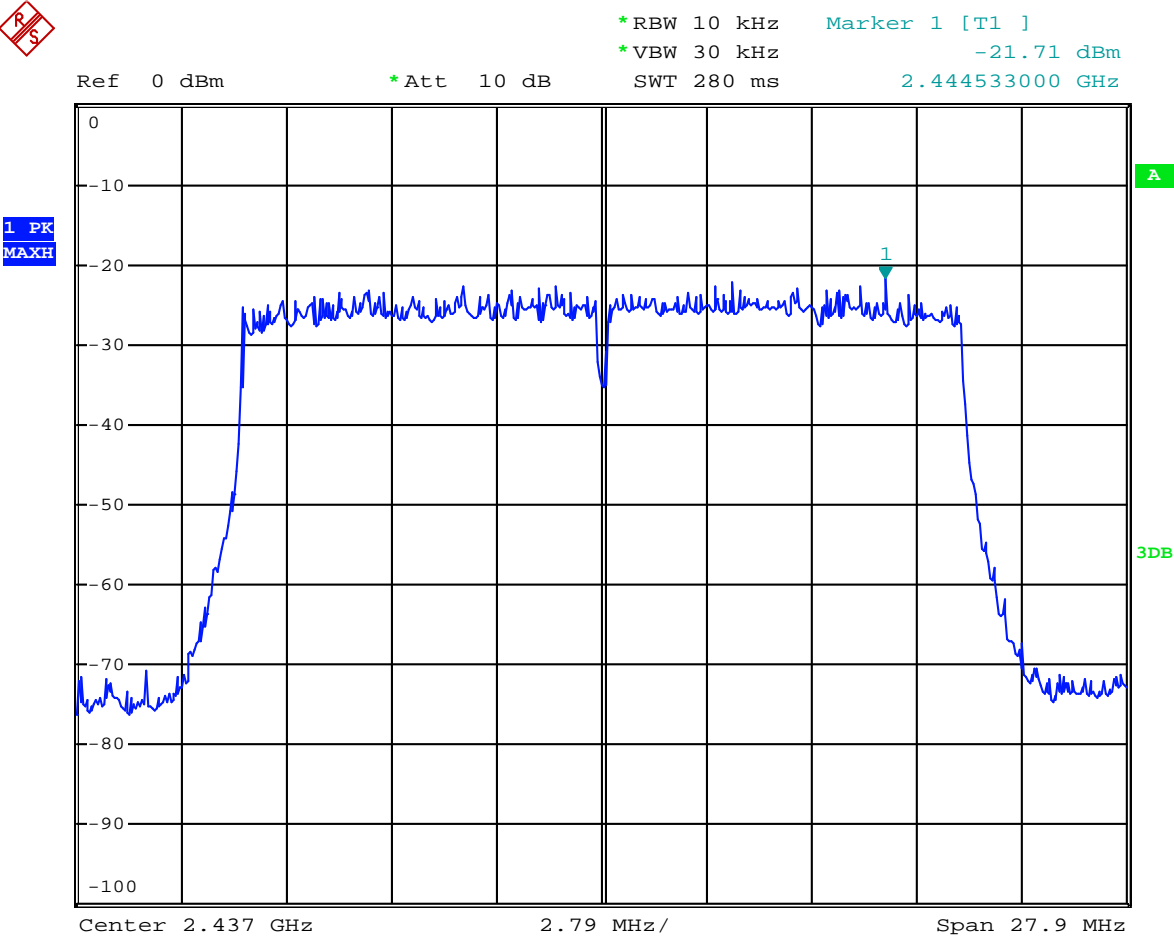


Date: 30.AUG.2025 10:25:19

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14. 802.11ax HEW20 of CH06

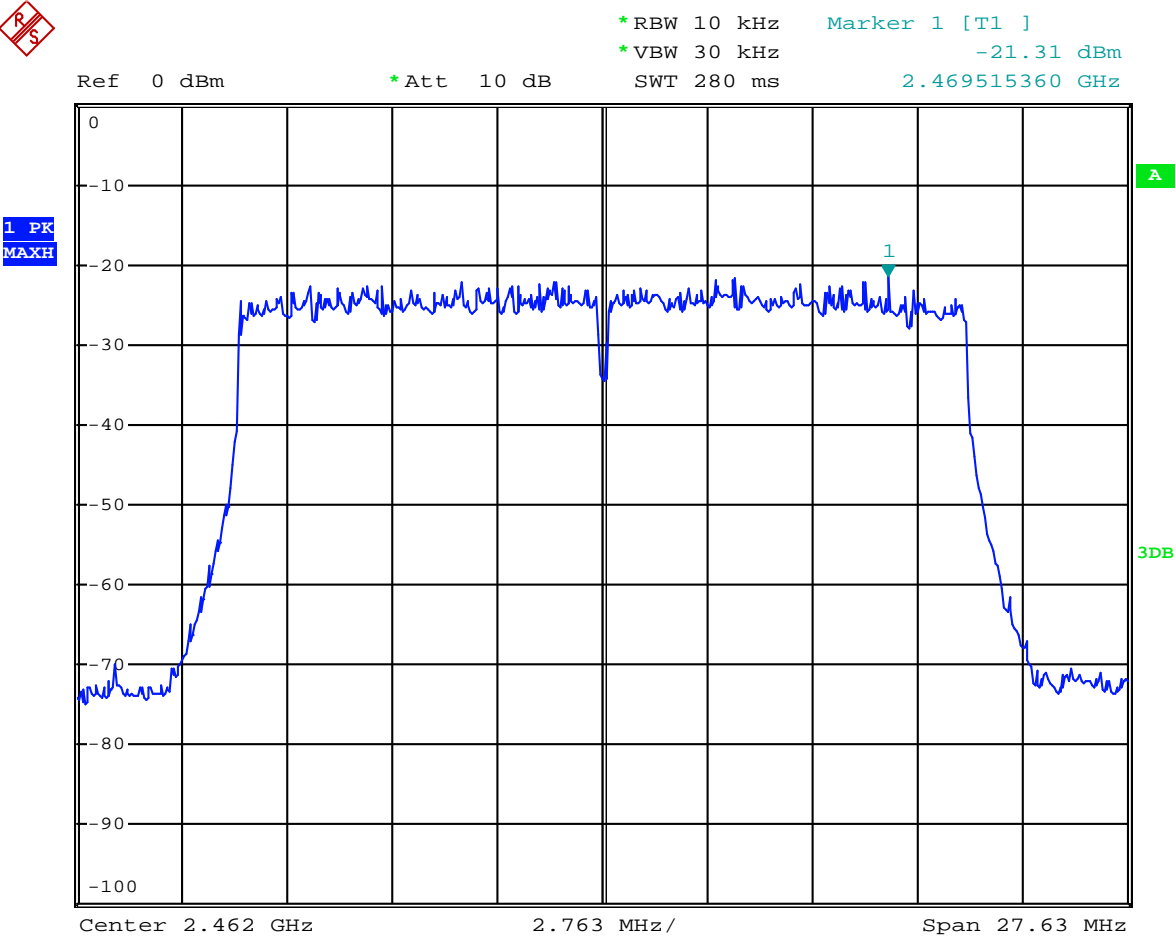


Date: 30.AUG.2025 10:26:30

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15. 802.11ax HEW20 of CH11

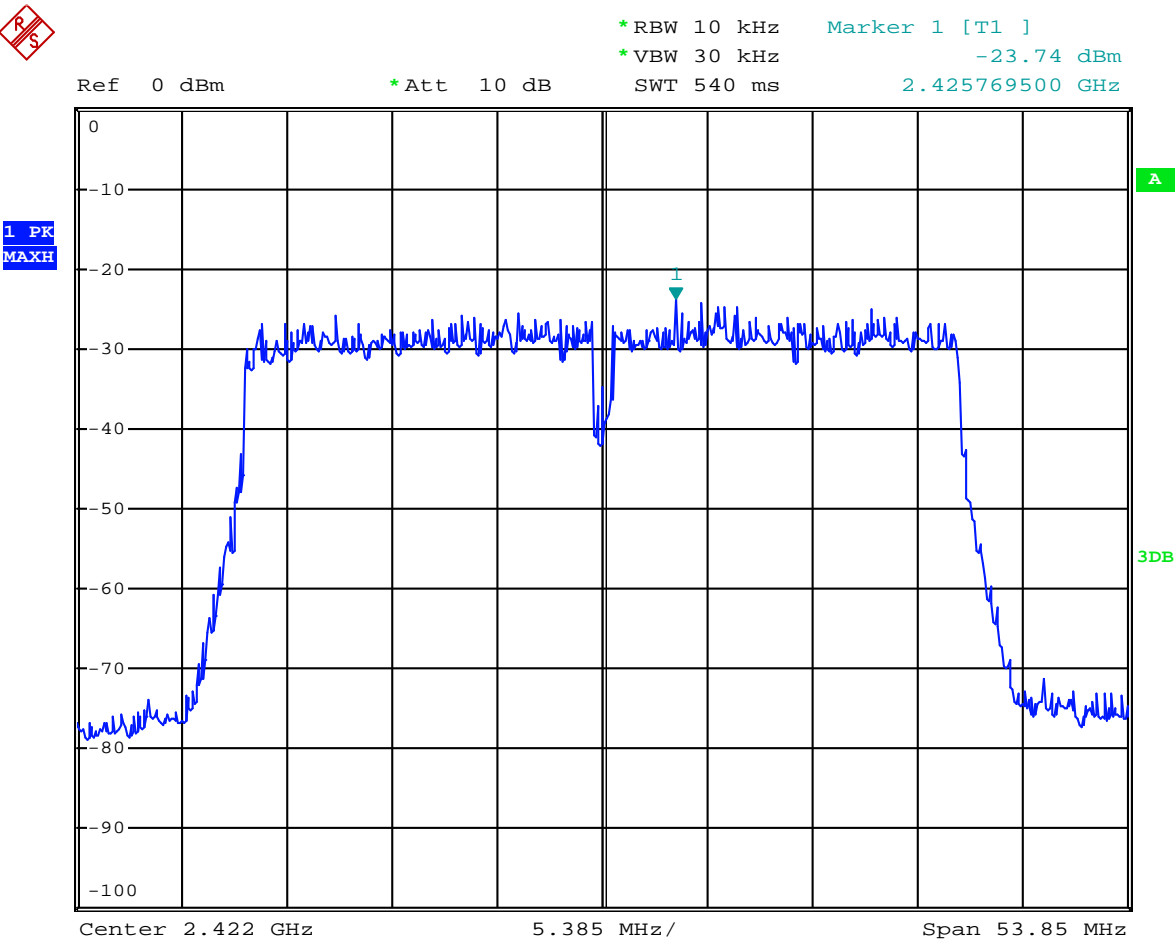


Date: 30.AUG.2025 10:30:50

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16. 802.11n at HT40 of CH03

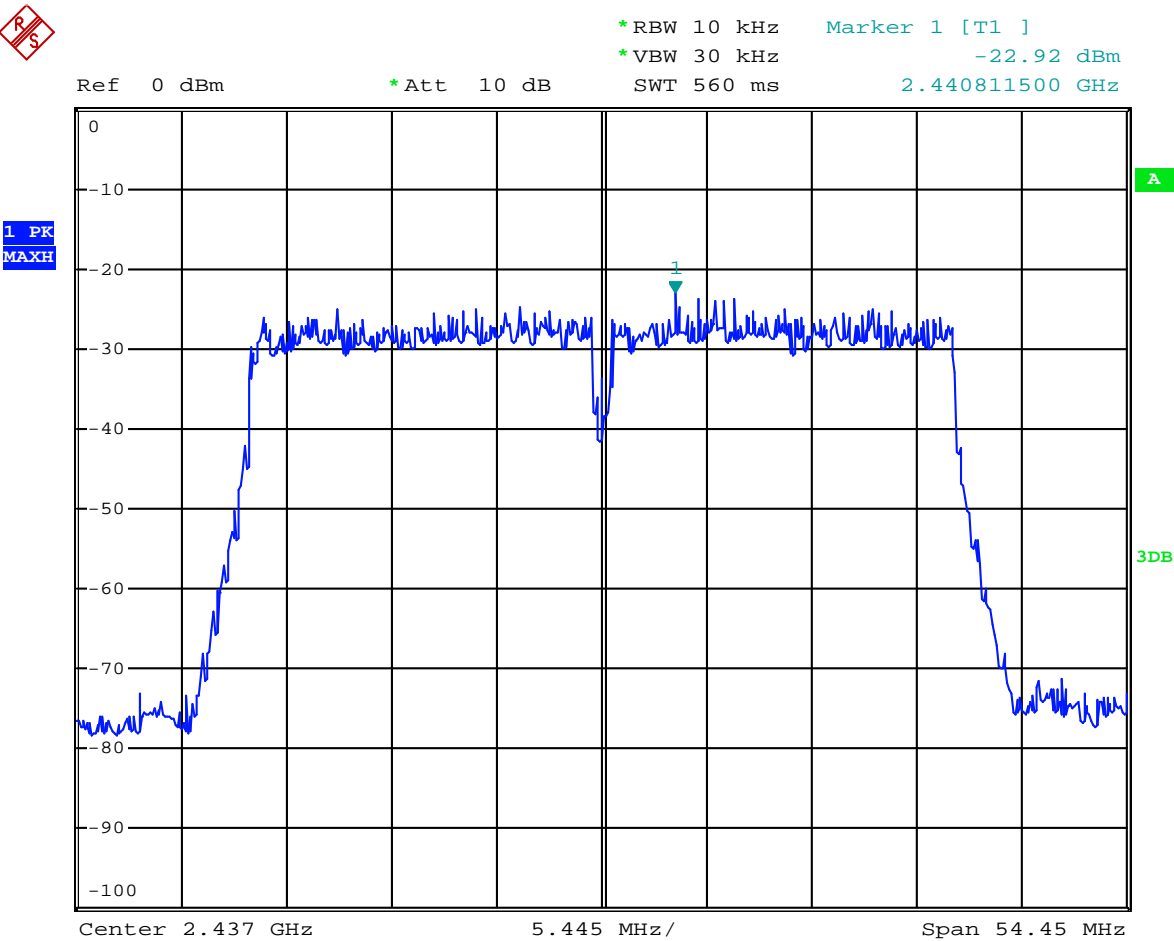


Date: 30.AUG.2025 10:53:25

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17. 802.11n at HT40 of CH06

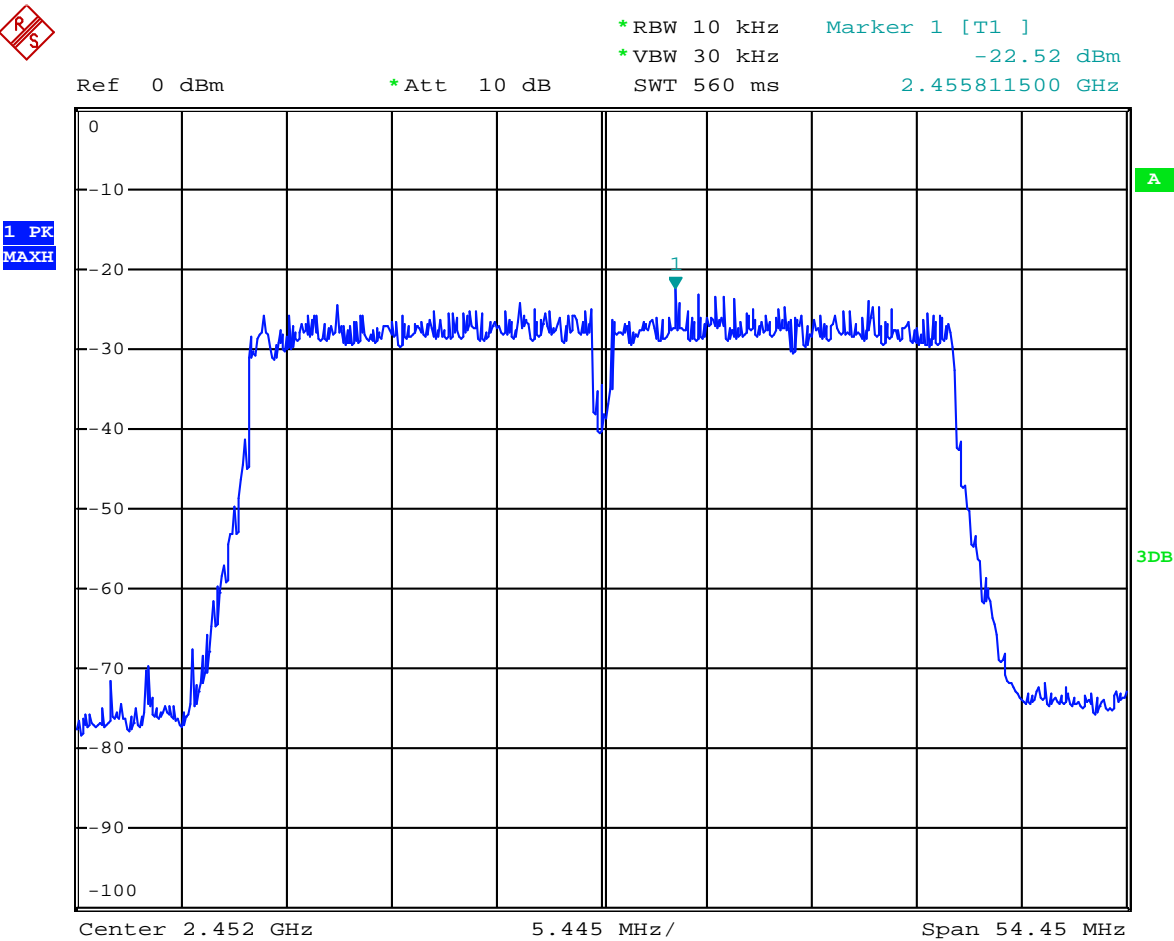


Date: 30.AUG.2025 10:51:38

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18. 802.11n at HT40 of CH09

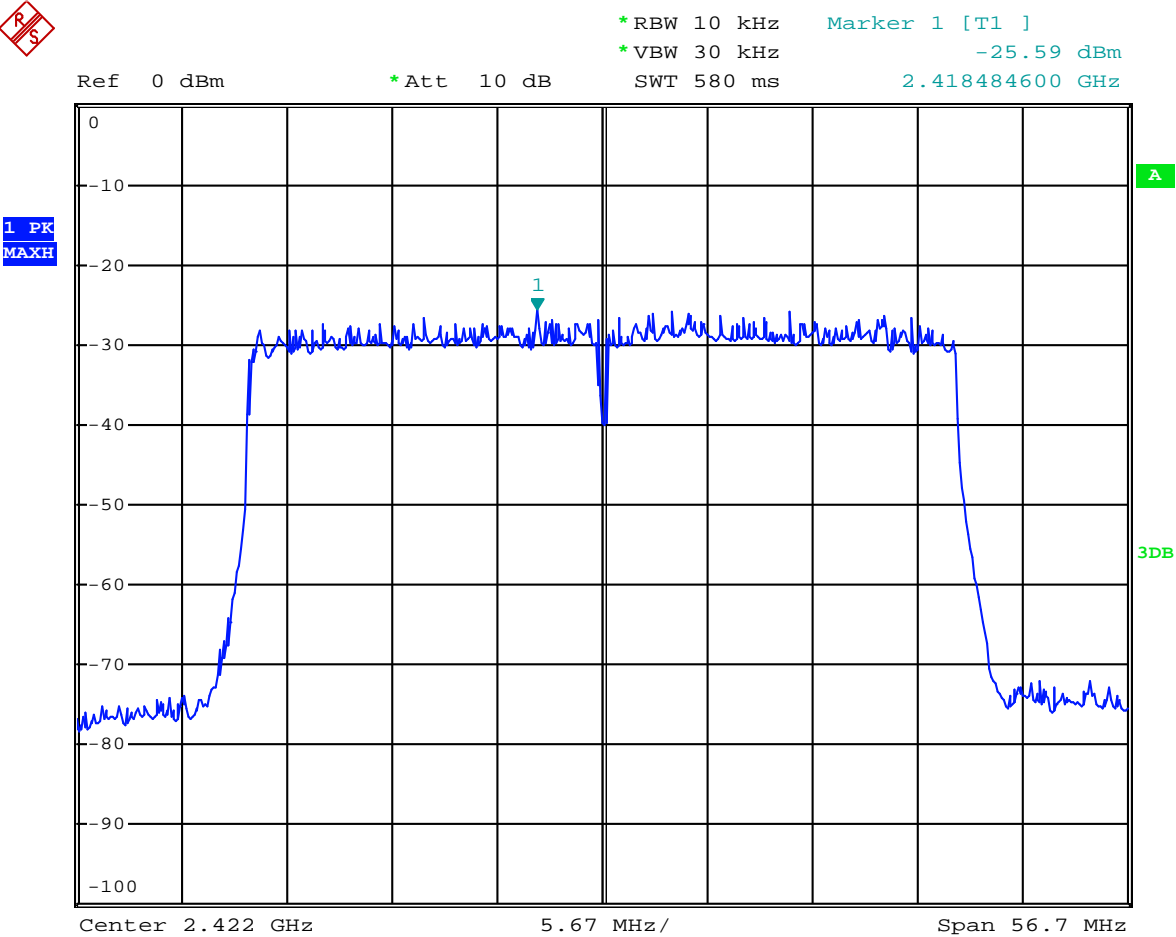


Date: 30.AUG.2025 10:50:03

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19. 802.11ax HEW40 of CH03

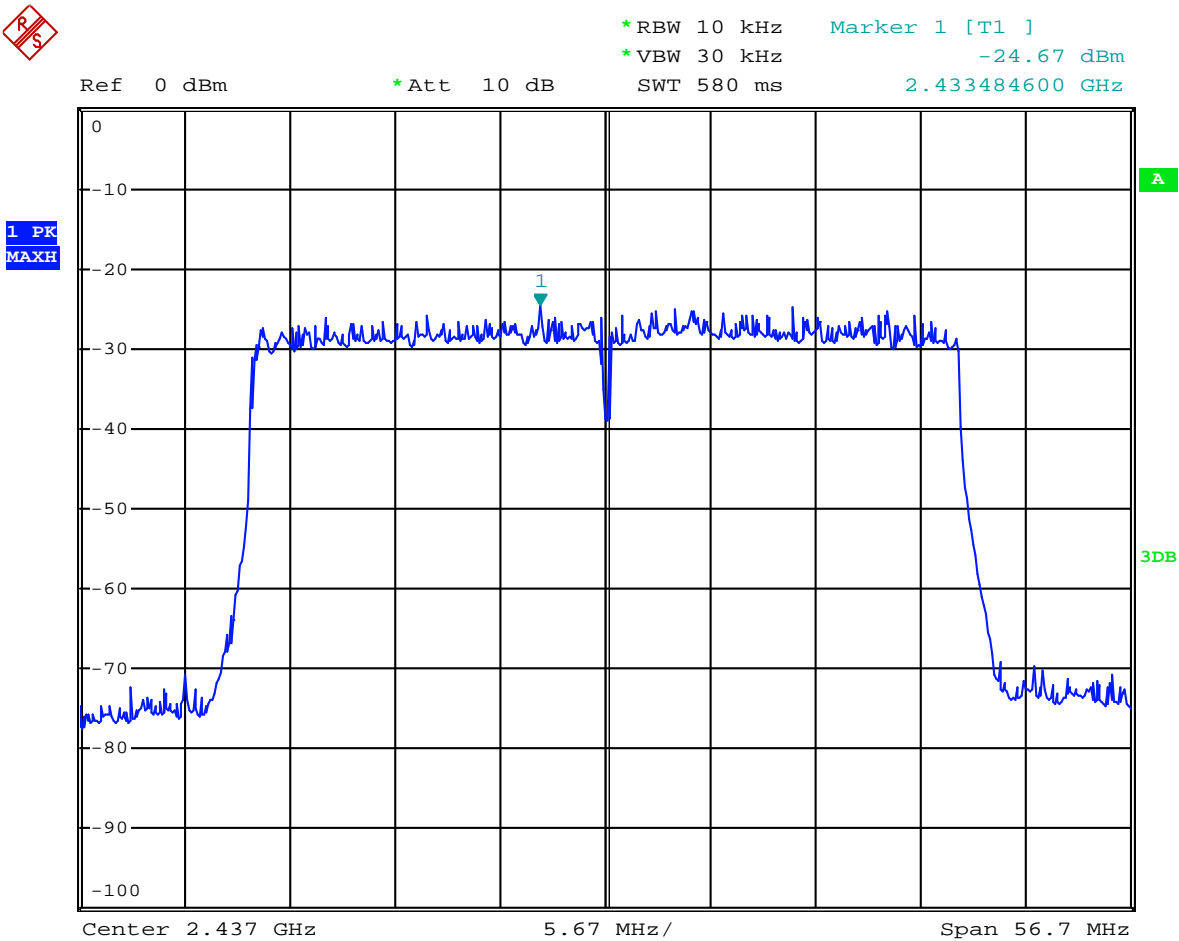


Date: 30.AUG.2025 10:34:45

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20. 802.11ax HEW40 of CH06

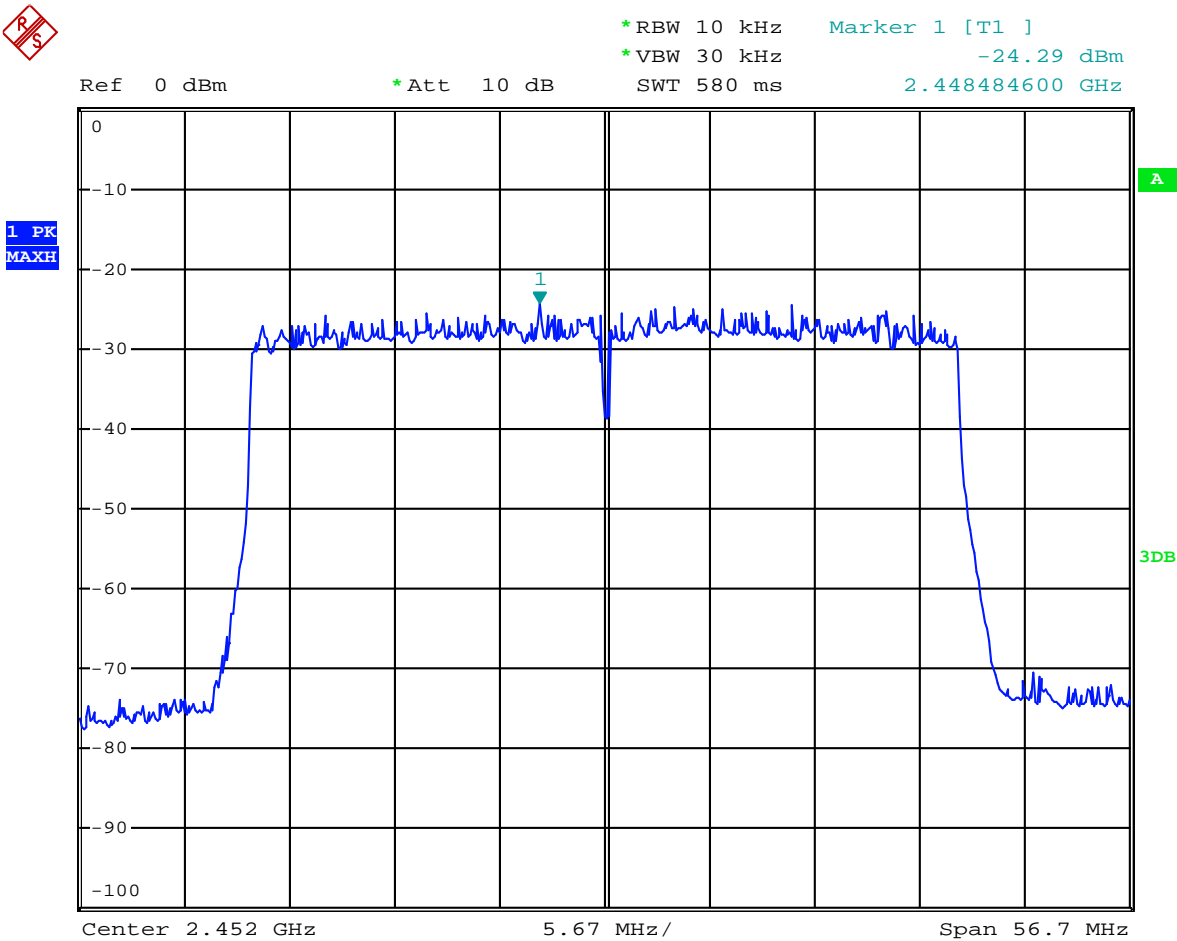


Date: 30.AUG.2025 10:43:50

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21. 802.11ax HEW40 of CH09



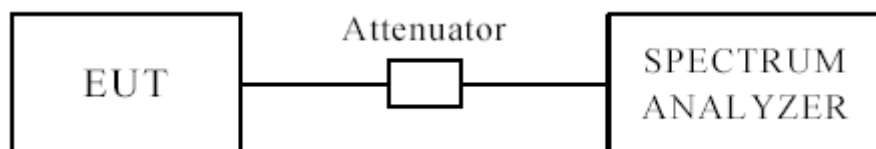
Date: 30.AUG.2025 10:47:42

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10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

1. Below -30dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test. (Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=100, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

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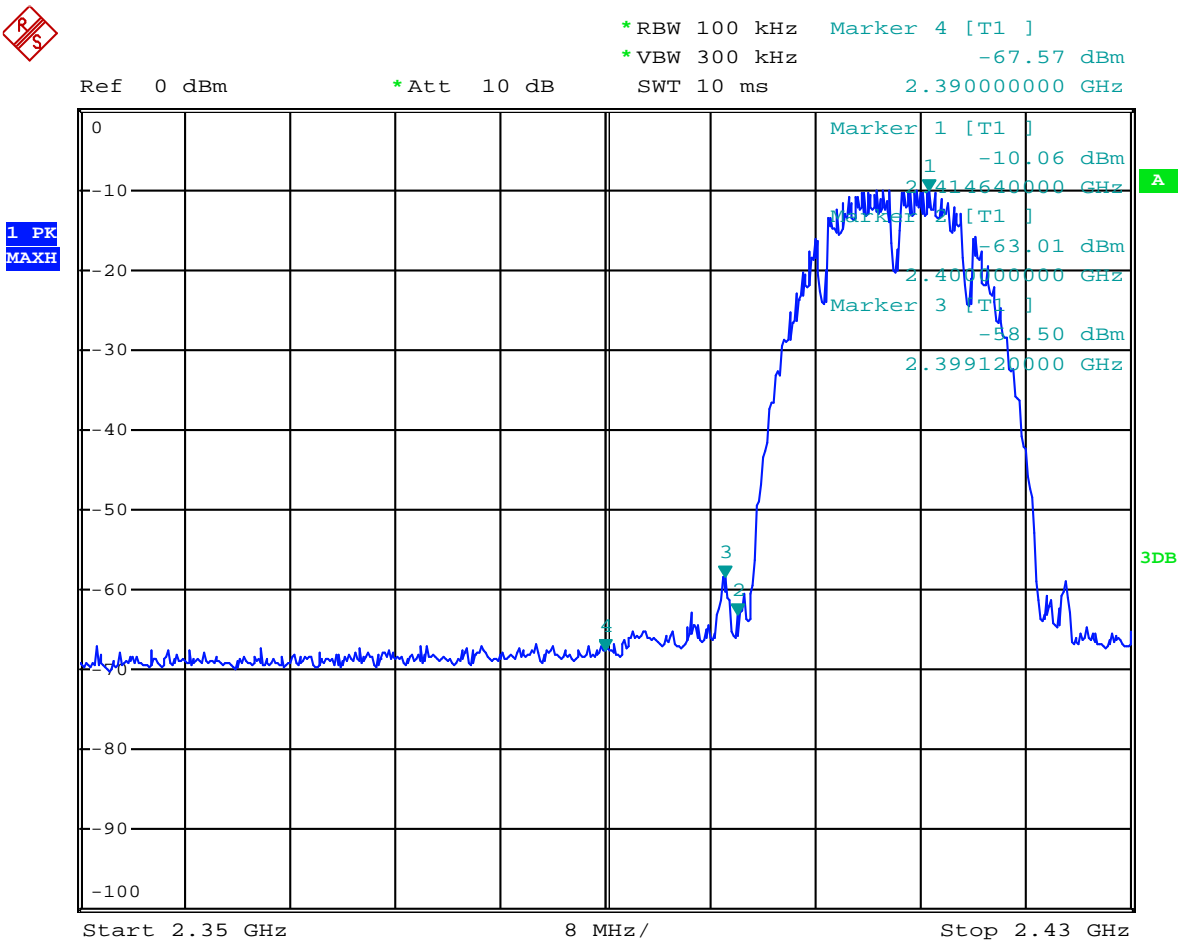
For 802.11b mode

CH01 at 1Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:39:30

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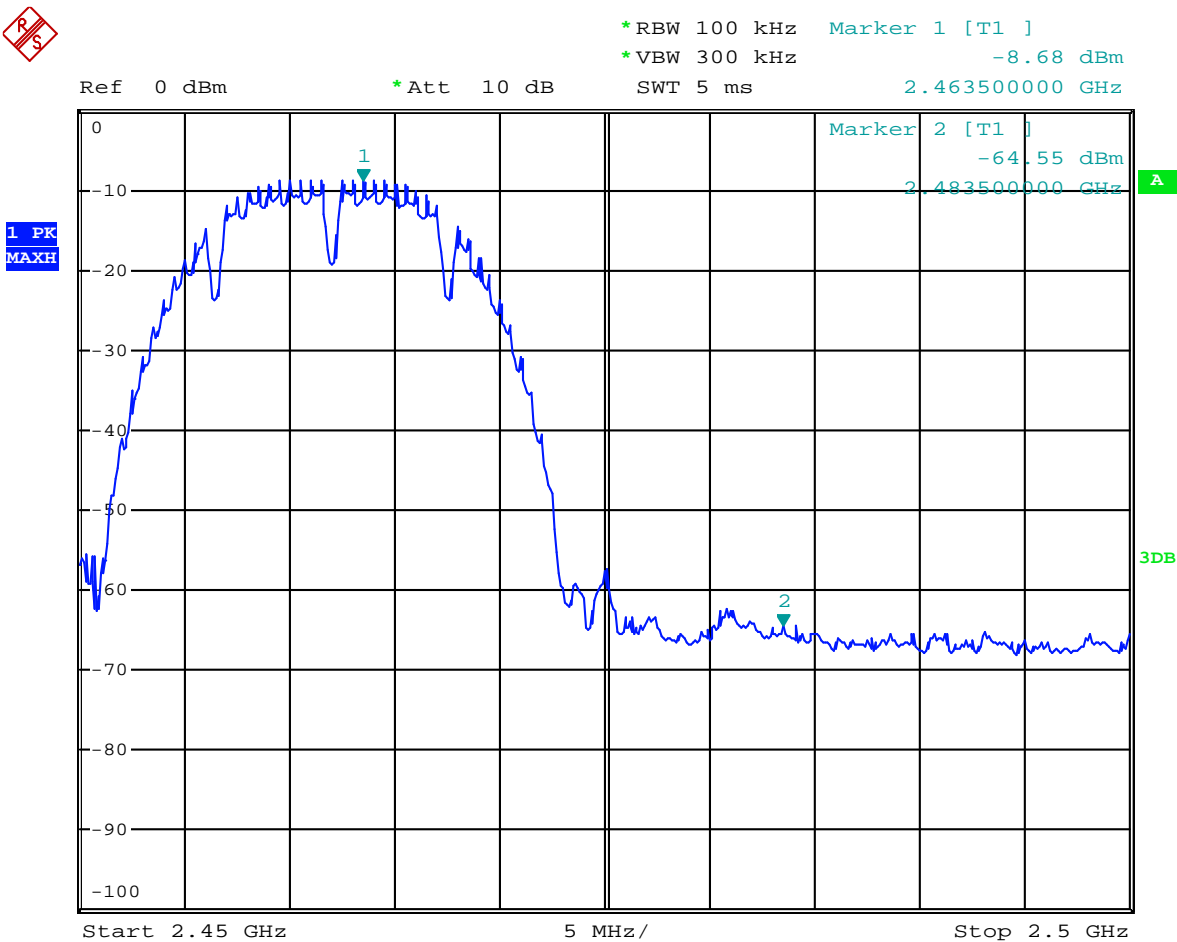


CH11 at 1Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 12:04:23

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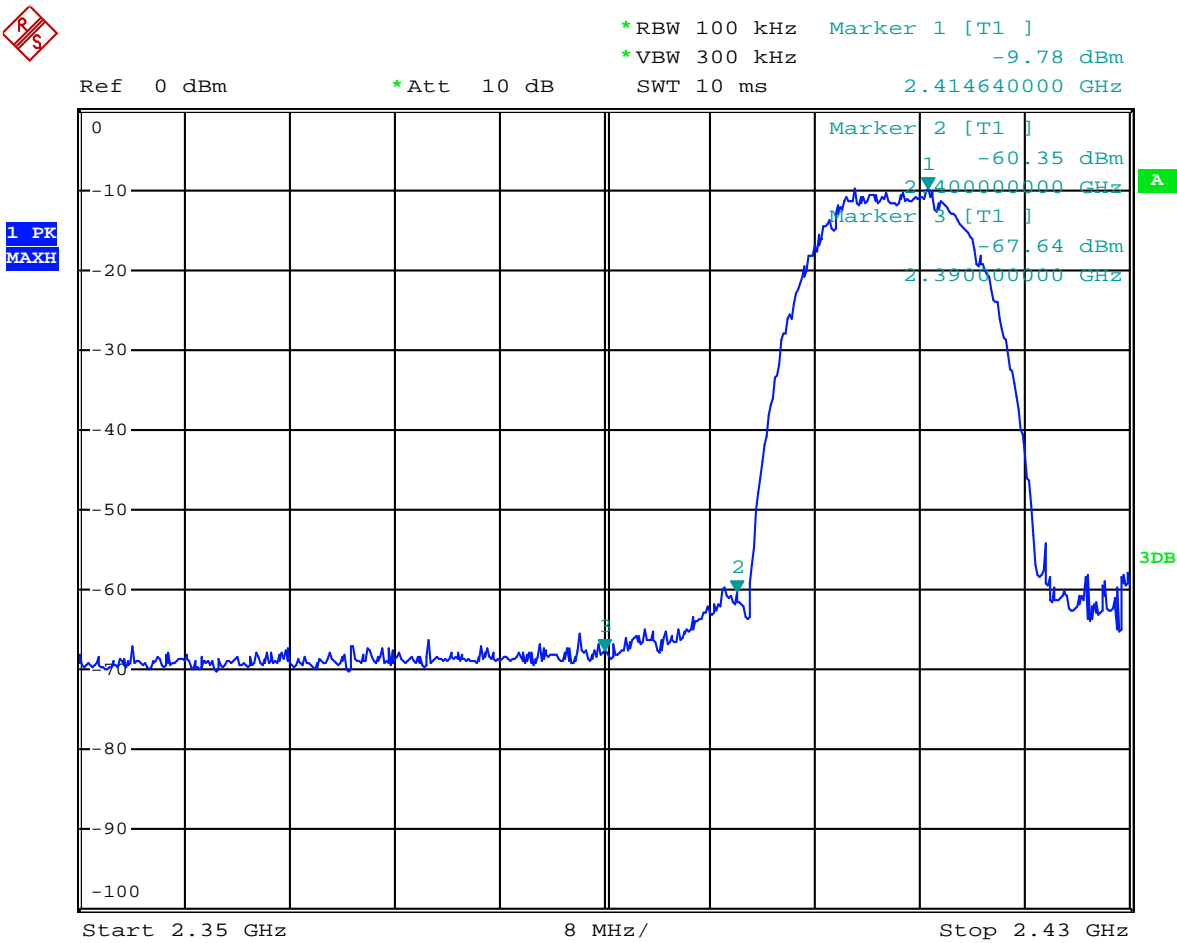
For 802.11b mode

CH01 at 11Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:48:29

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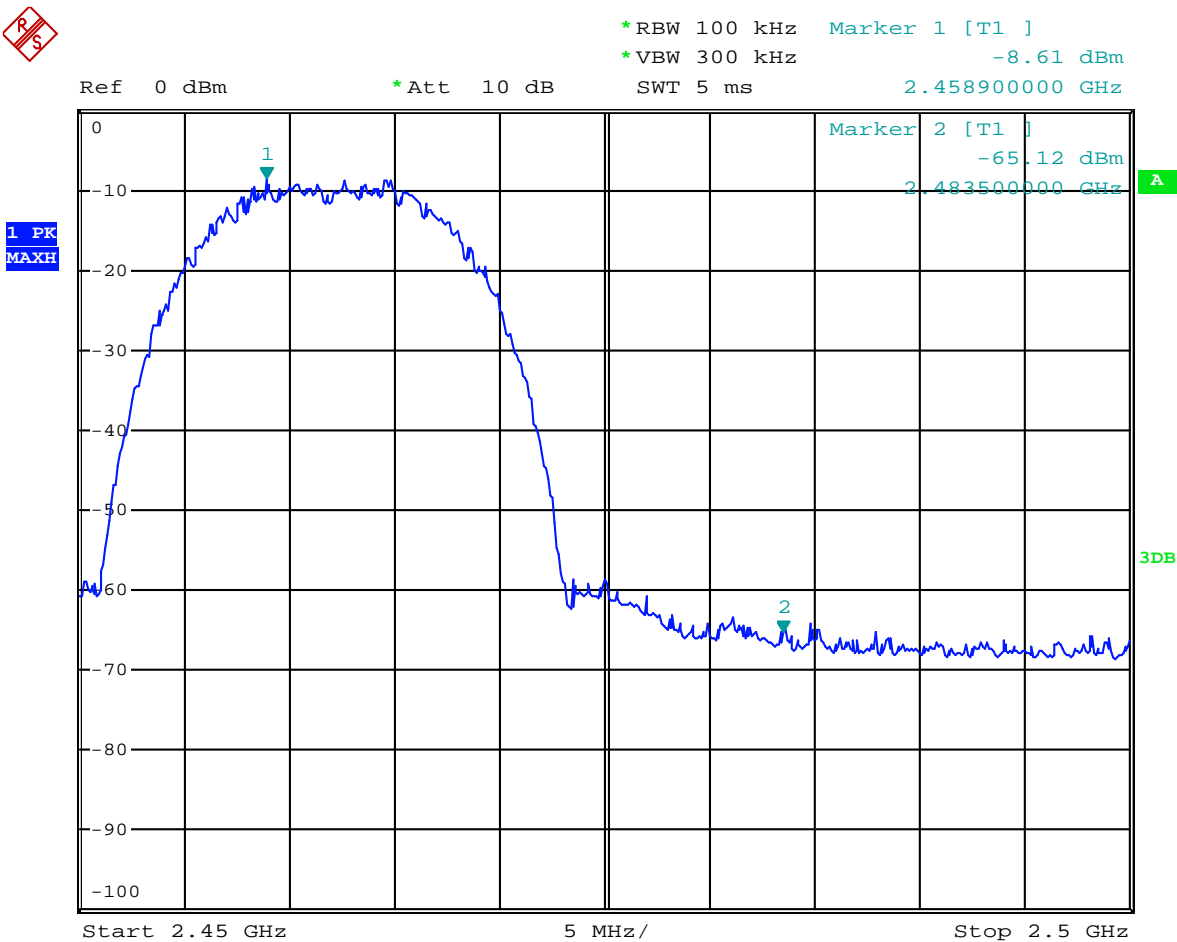


CH11 at 11Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 12:06:27

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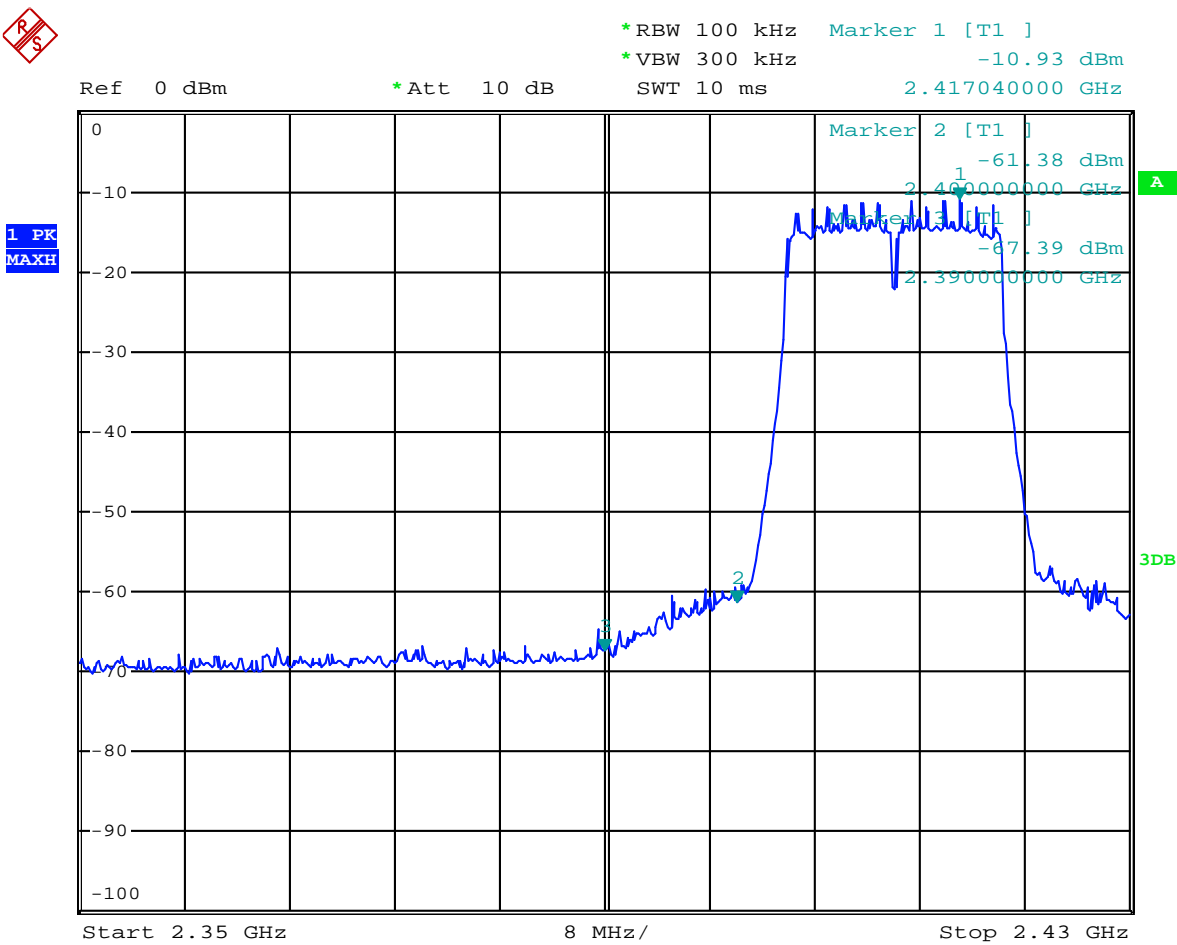
For 802.11g mode

CH01 at 6Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:44:48

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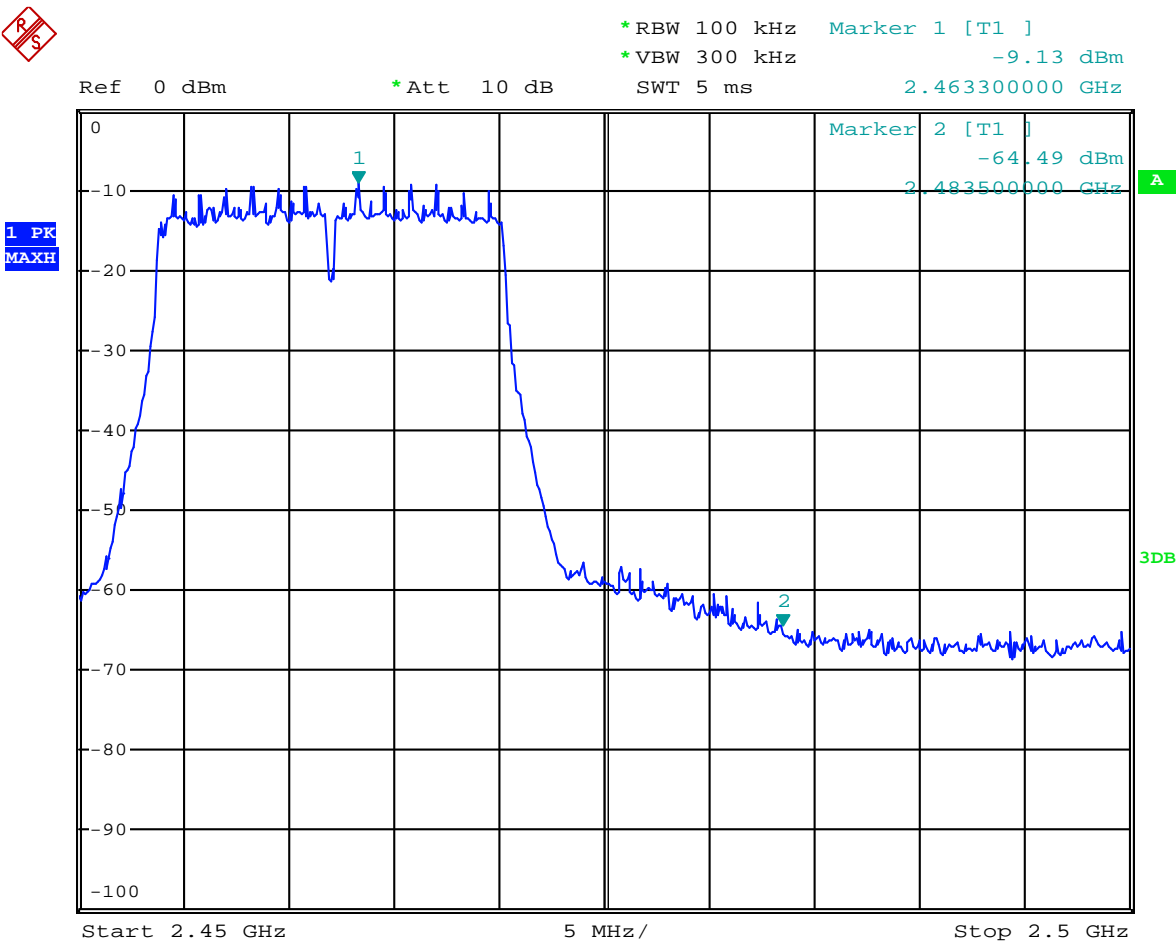


CH11 at 6Mbps

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 12:01:16

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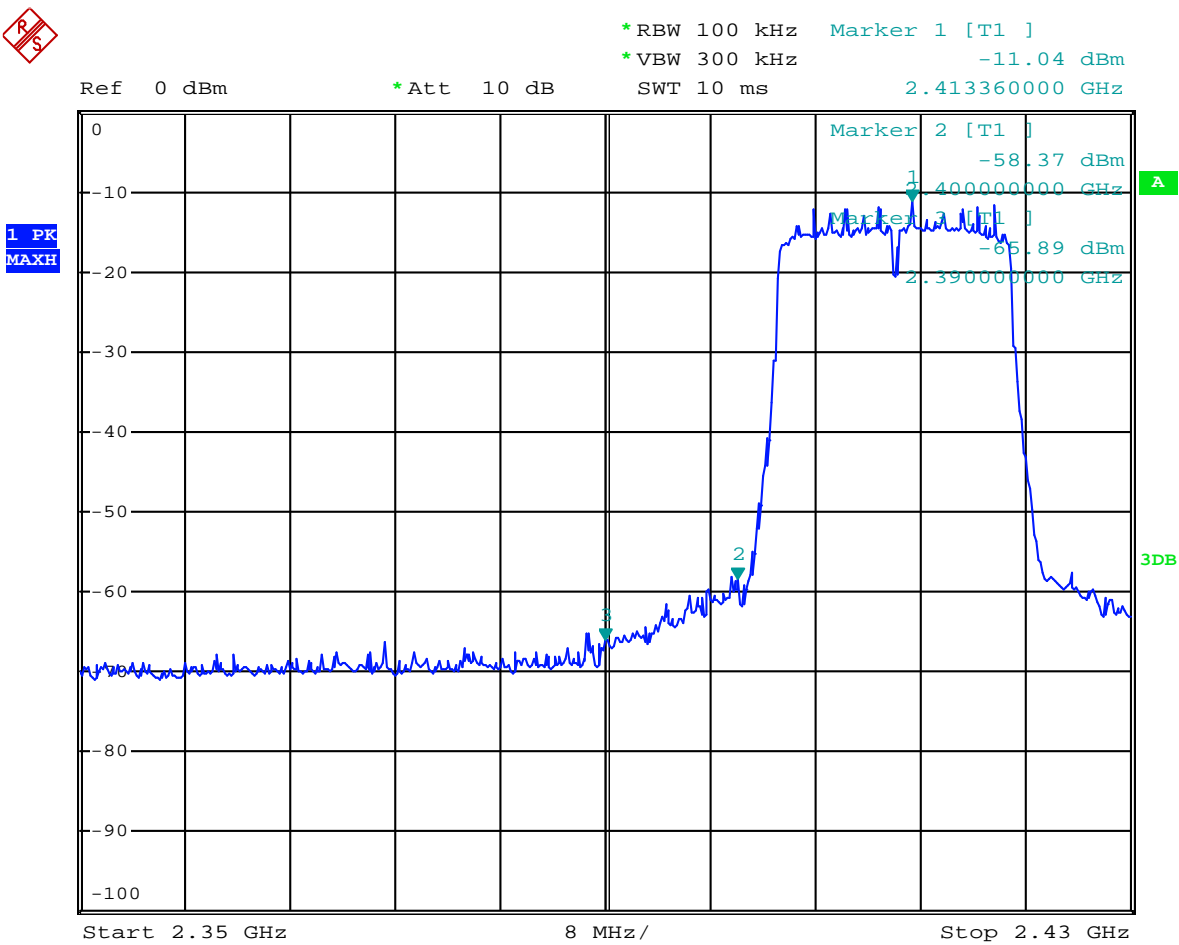
For 802.11n (HT20) mode

CH01 at mcs0

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:52:16

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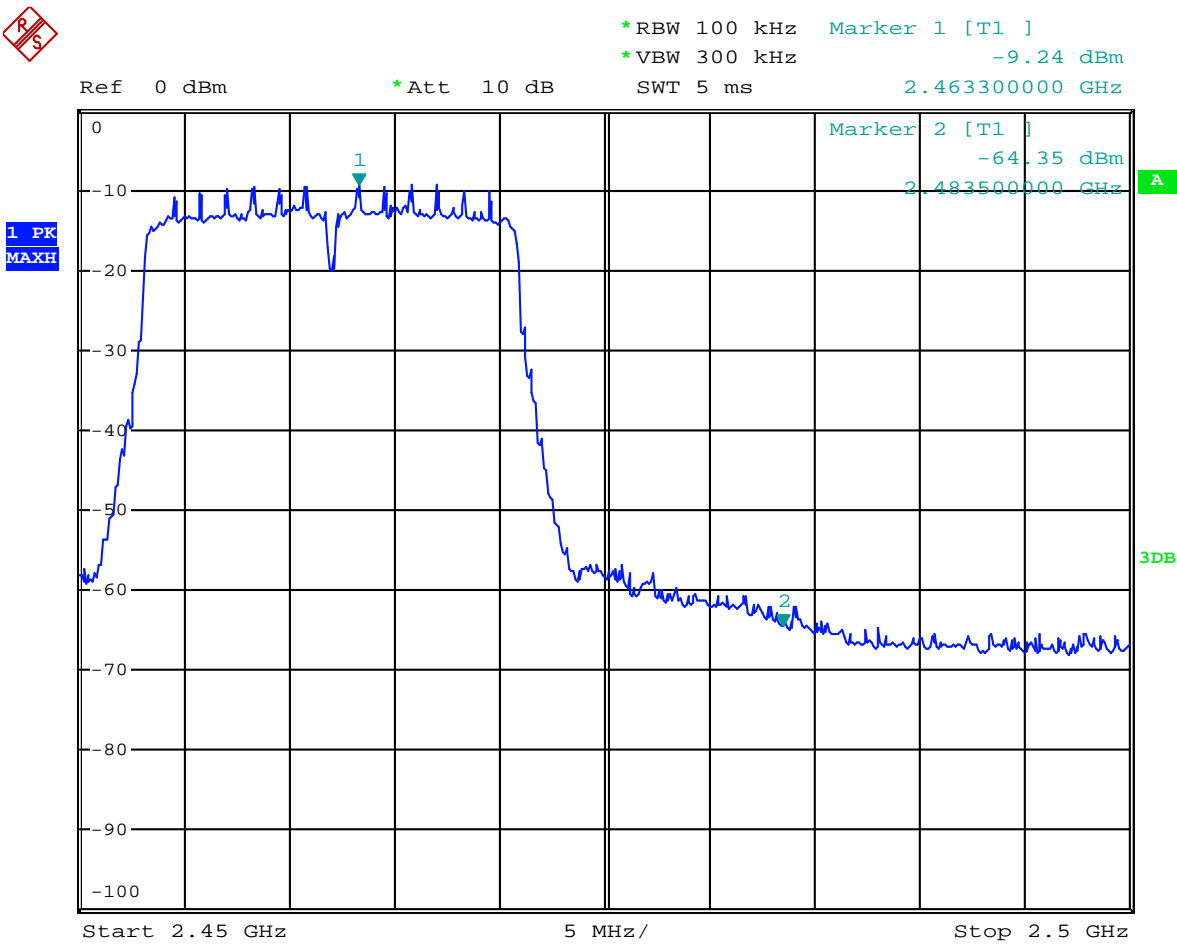


CH11 at mcs0

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:59:04

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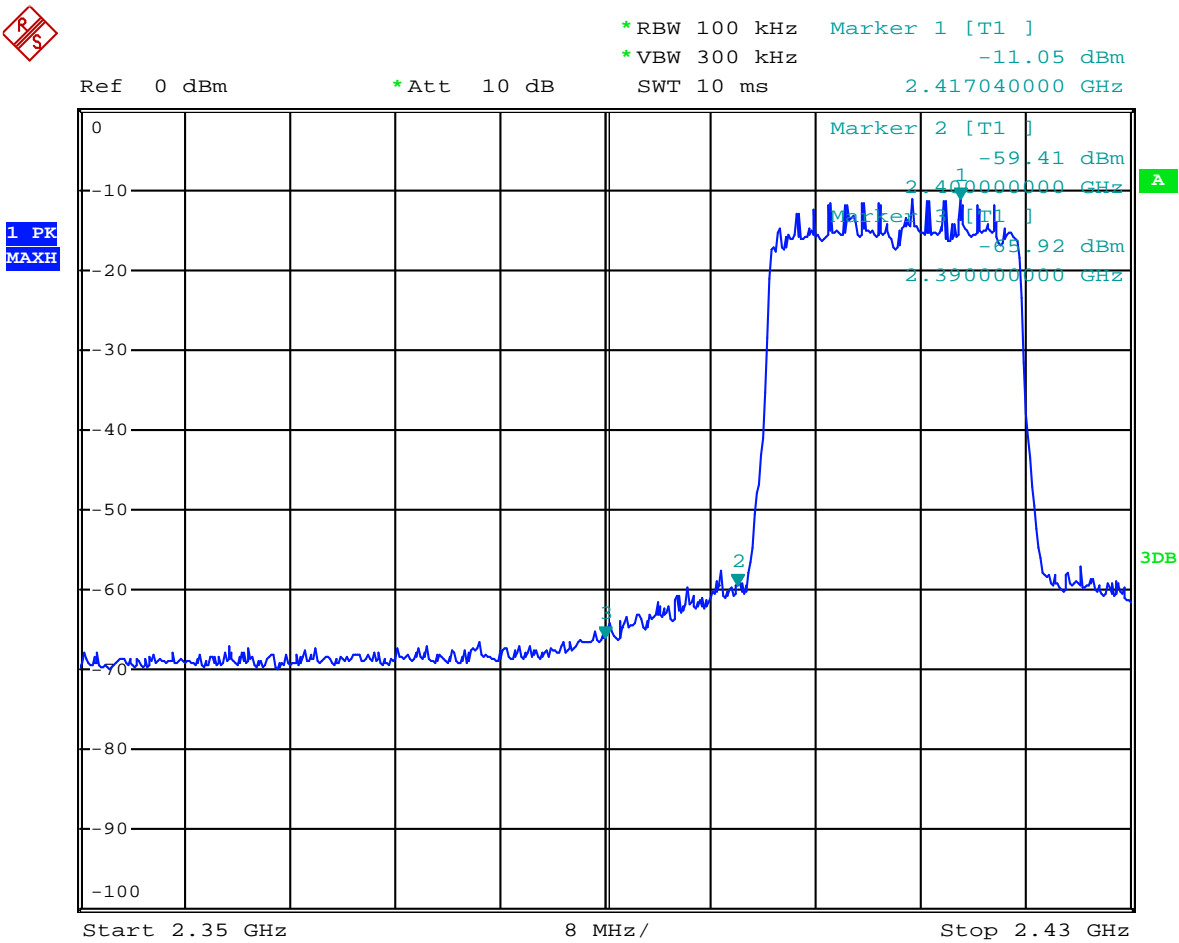
For 802.11ax (HEW20) mode

CH01 at mcs0

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:54:30

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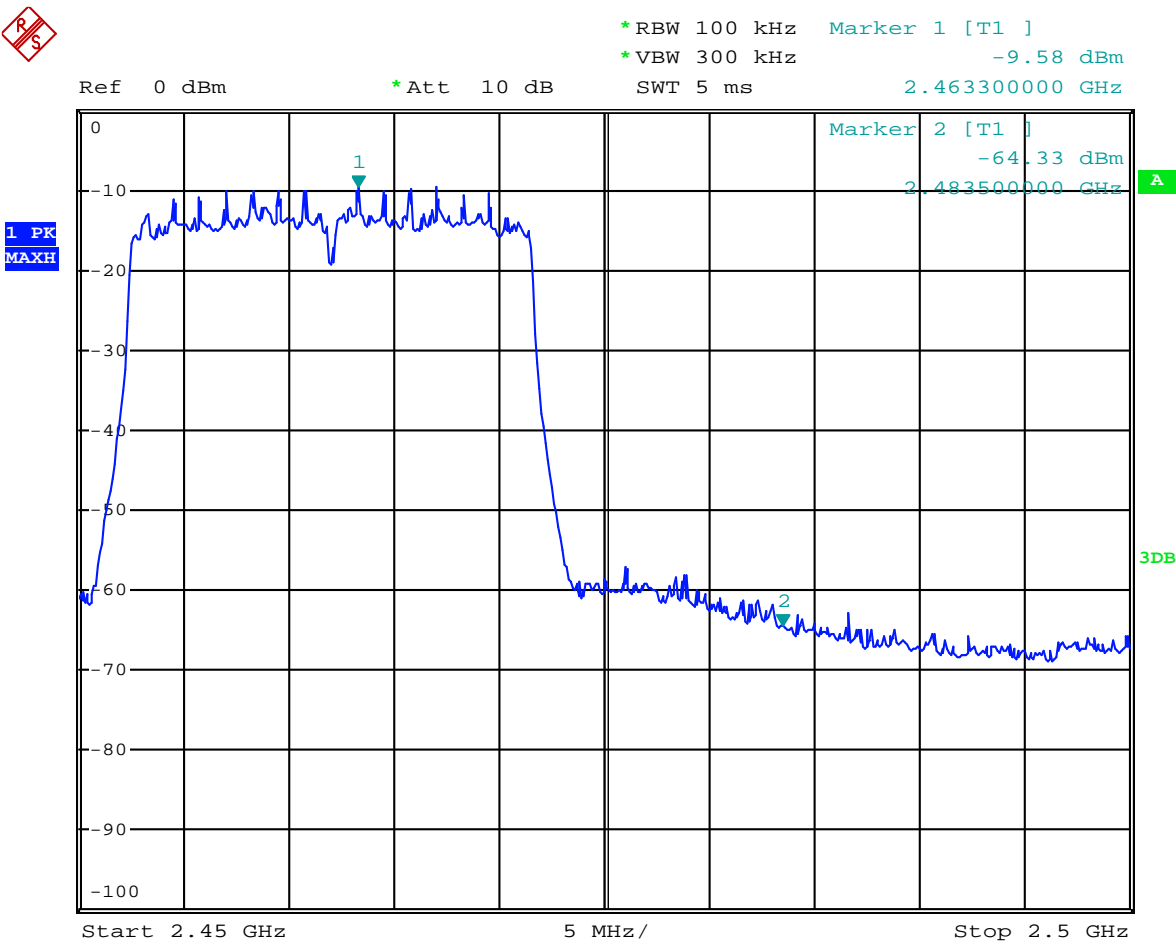


CH11 at mcs0

10.4 Band-edge Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:56:09

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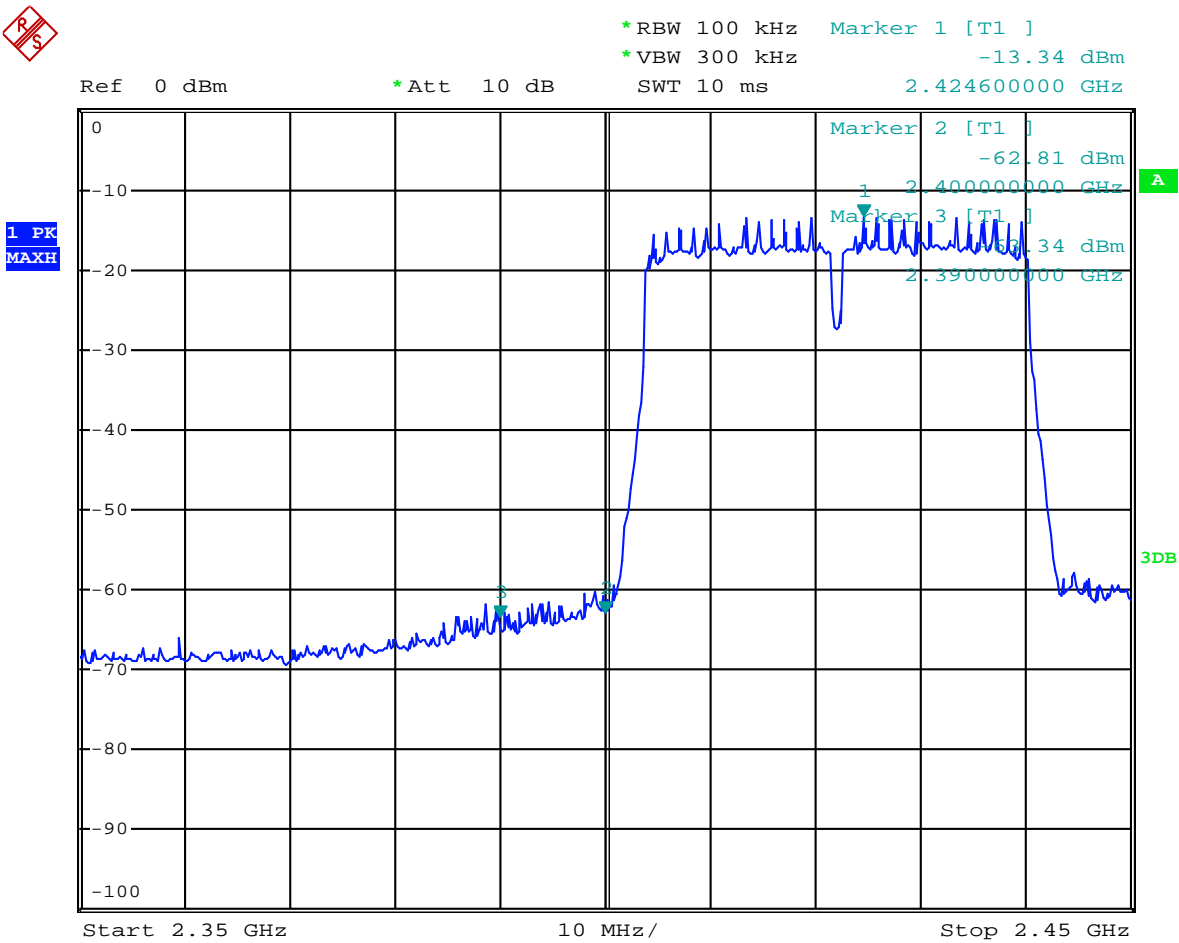
For 802.11n (HT40) mode

CH03 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:28:04

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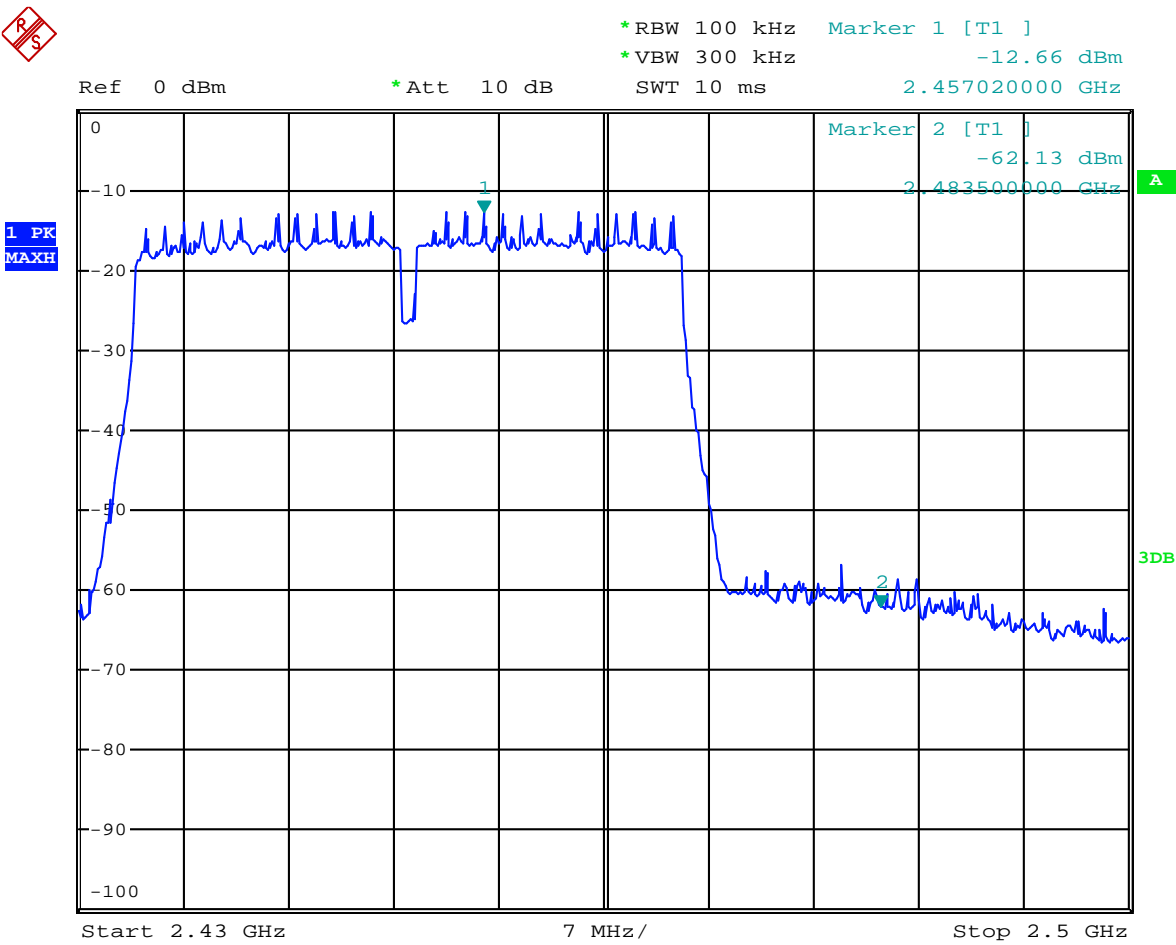


CH09 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:37:59

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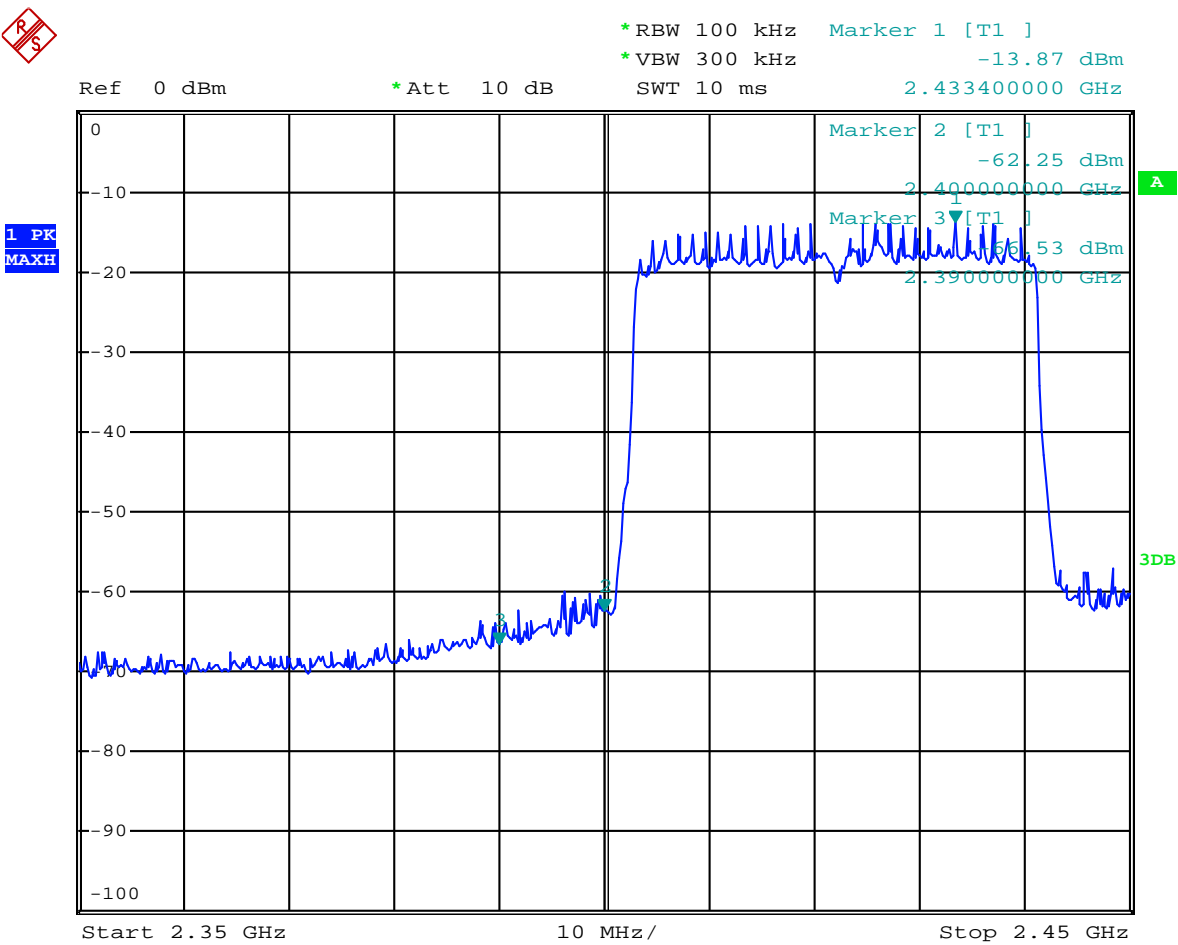


For 802.11ax (HEW40) mode
CH03 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:29:17

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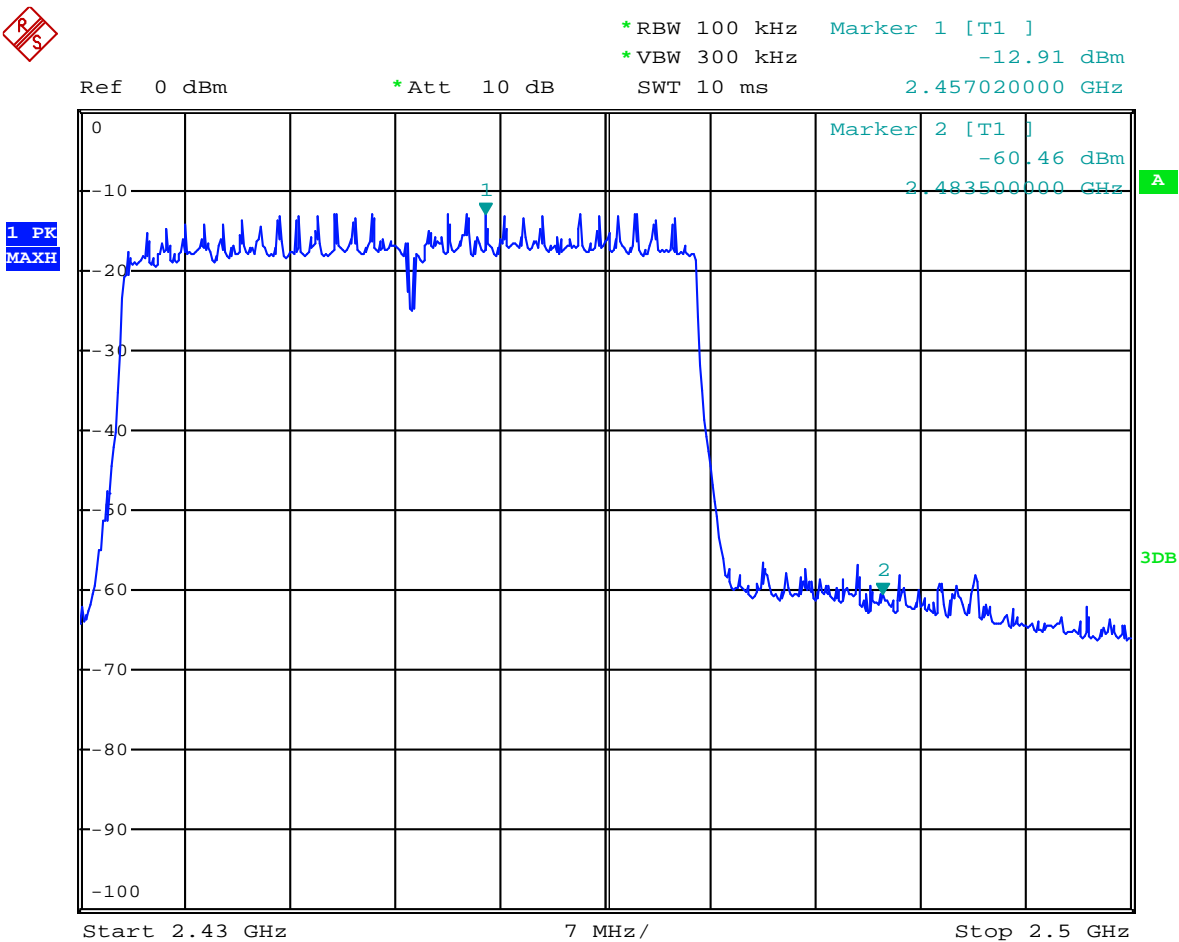


CH09 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	Pocket Voice Recorder	Model	PKT01
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 30.AUG.2025 11:34:22

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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11b mode, Low Channel, Horizontal					
2390 MHz	PK (dBμV/m)	37.83	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11b mode, Low Channel, Vertical					
2390 MHz	PK (dBμV/m)	37.16	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11b mode, High Channel, Horizontal					
2483.5 MHz	PK (dBμV/m)	36.88	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11b mode, High Channel, Vertical					
2483.5 MHz	PK (dBμV/m)	36.56	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11g mode, Low Channel, Horizontal					
2390 MHz	PK (dBμV/m)	37.95	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11g mode, Low Channel, Vertical					
2390 MHz	PK (dBμV/m)	37.38	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11g mode, High Channel, Horizontal					
2483.5 MHz	PK (dBμV/m)	38.11	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11g mode, High Channel, Vertical					
2483.5 MHz	PK (dBμV/m)	37.24	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT20 mode, Low Channel, Horizontal					
2390 MHz	PK (dBμV/m)	38.09	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11n HT20 mode, Low Channel, Vertical					
2390 MHz	PK (dBμV/m)	38.36	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT20 mode, High Channel, Horizontal					
2483.5 MHz	PK (dBμV/m)	38.65	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11n HT20 mode, High Channel, Vertical					
2483.5 MHz	PK (dBμV/m)	37.23	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT40 mode, Low Channel, Horizontal					
2390 MHz	PK (dBμV/m)	38.45	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11n HT40 mode, Low Channel Vertical					
2390 MHz	PK (dBμV/m)	39.93	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	Pocket Voice Recorder		Model	PKT01
Mode	Keeping Transmitting		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n HT40 mode, High Channel, Horizontal				
2483.5 MHz	PK (dBμV/m)	39.18	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)
802.11n HT40 mode, High Channel, Vertical				
2483.5 MHz	PK (dBμV/m)	37.90	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11ax HEW20 mode, Low Channel, Horizontal					
2390 MHz	PK (dBμV/m)	38.98	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11ax HEW20 mode, Low Channel, Vertical					
2390 MHz	PK (dBμV/m)	33.67	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	Pocket Voice Recorder		Model	PKT01
Mode	Keeping Transmitting		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11ax HEW20 mode, High Channel, Horizontal				
2483.5 MHz	PK (dBμV/m)	37.85	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)
802.11ax HEW20 mode, High Channel, Vertical				
2483.5 MHz	PK (dBμV/m)	33.06	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

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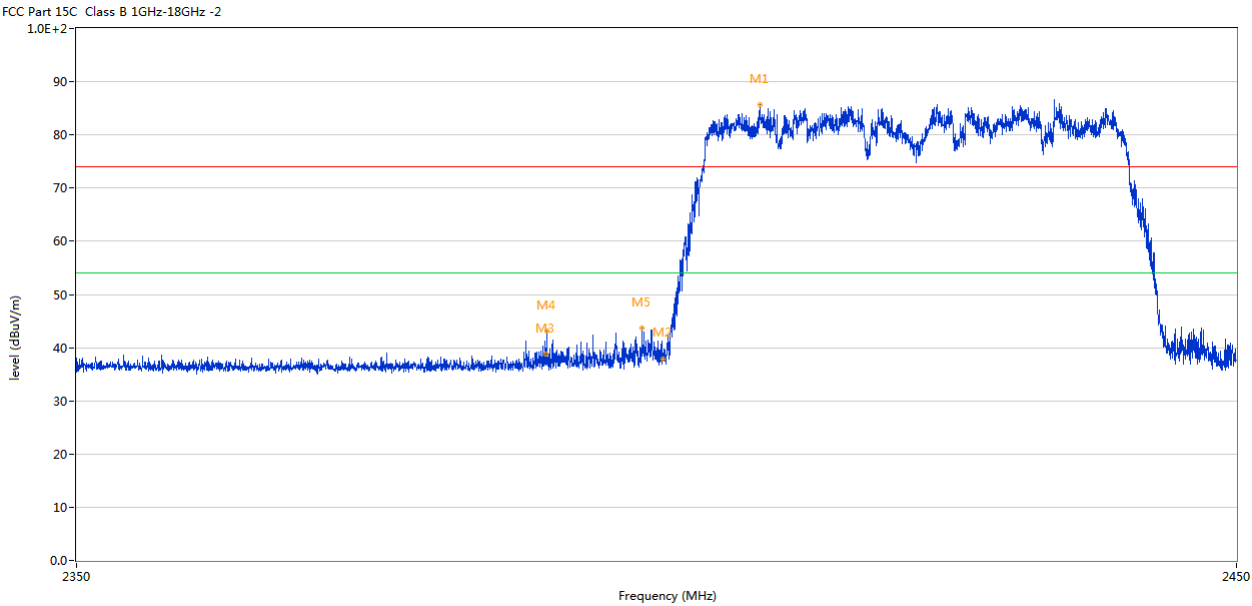
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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder		Model	PKT01
Mode	Keeping Transmitting		Test Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11ax HEWe0 mode, Low Channel, Horizontal				
2390 MHz	PK (dBμV/m)	38.78	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)
802.11ax HEWe0 mode, Low Channel Vertical				
2390 MHz	PK (dBμV/m)	36.67	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

Test Plots

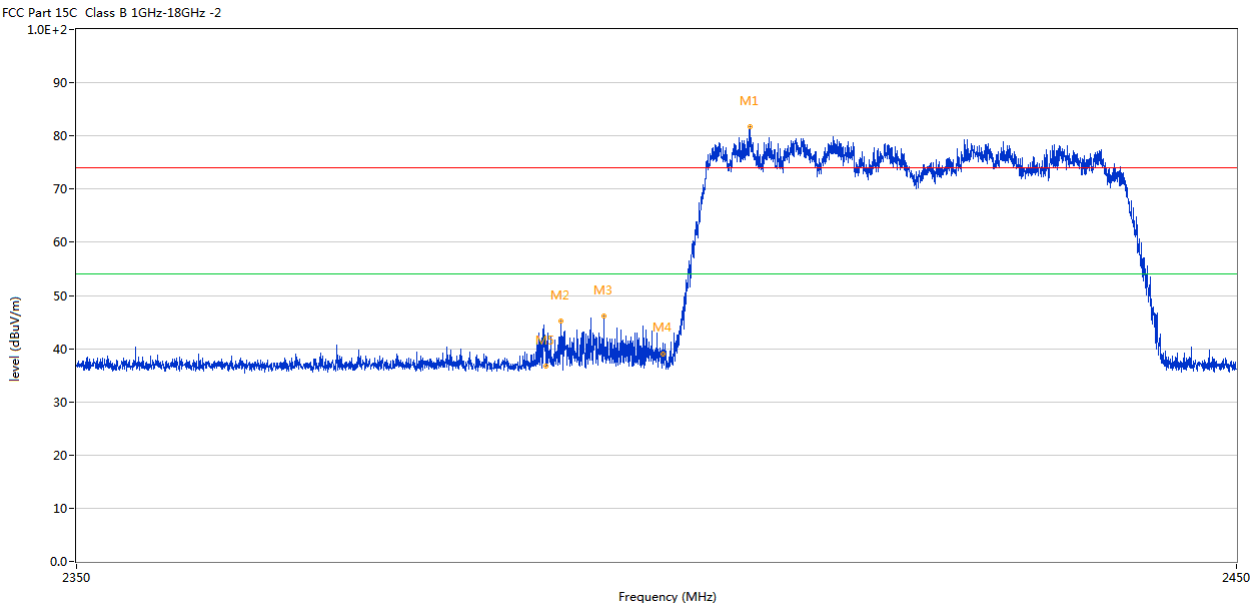


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2408.385	85.76	-3.57	74.0	11.76	Peak	99.00	100	Horizontal	N/A
2	2400.000	37.94	-3.57	74.0	-36.06	Peak	82.50	100	Horizontal	Pass
3	2390.000	38.78	-3.53	74.0	-35.22	Peak	189.80	100	Horizontal	Pass
4	2390.040	43.04	-3.53	74.0	-30.96	Peak	296.00	100	Horizontal	Pass
5	2398.213	43.63	-3.56	74.0	-30.37	Peak	93.00	100	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2407.536	81.74	-3.57	74.0	7.74	Peak	189.00	100	Vertical	N/A
2	2391.215	45.13	-3.53	74.0	-28.87	Peak	107.00	100	Vertical	Pass
3	2394.964	46.11	-3.55	74.0	-27.89	Peak	107.00	100	Vertical	Pass
4	2400.000	38.99	-3.57	74.0	-35.01	Peak	135.00	100	Vertical	Pass
5	2390.000	36.67	-3.53	74.0	-37.33	Peak	91.00	100	Vertical	Pass

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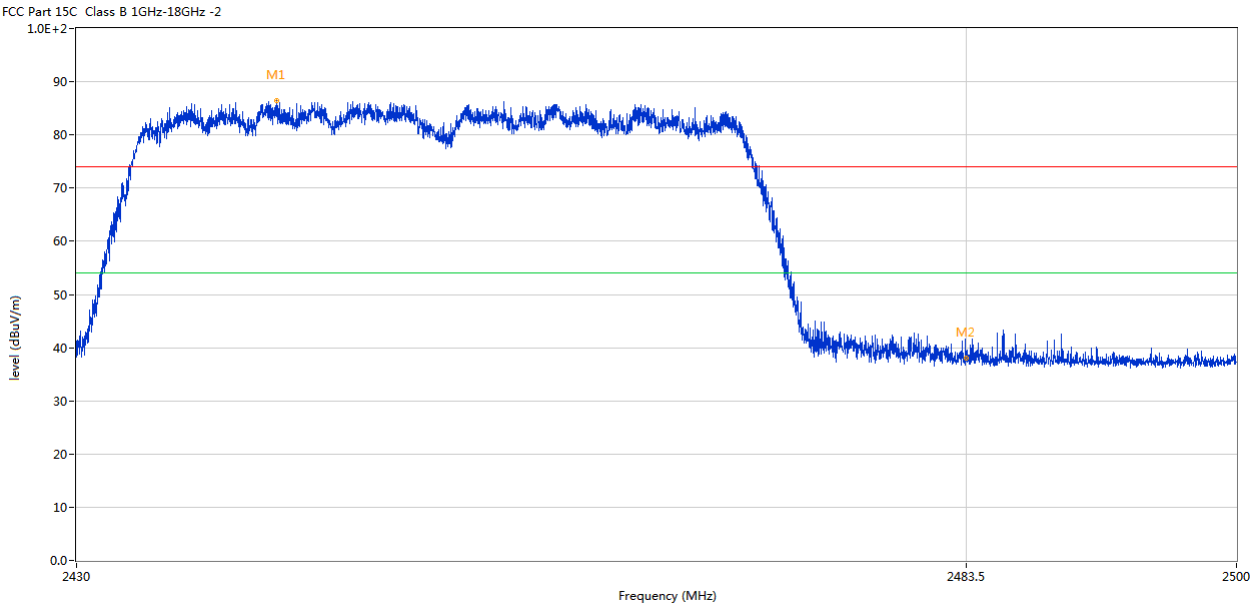
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10.5 Restricted band Measurement

EUT	Pocket Voice Recorder			Model	PKT01
Mode	Keeping Transmitting			Test Voltage	DC3.8V
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11ax HEWe0 mode, High Channel, Horizontal					
2483.5 MHz	PK (dBμV/m)	38.00	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11ax HEWe0 mode, High Channel, Vertical					
2483.5 MHz	PK (dBμV/m)	36.41	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

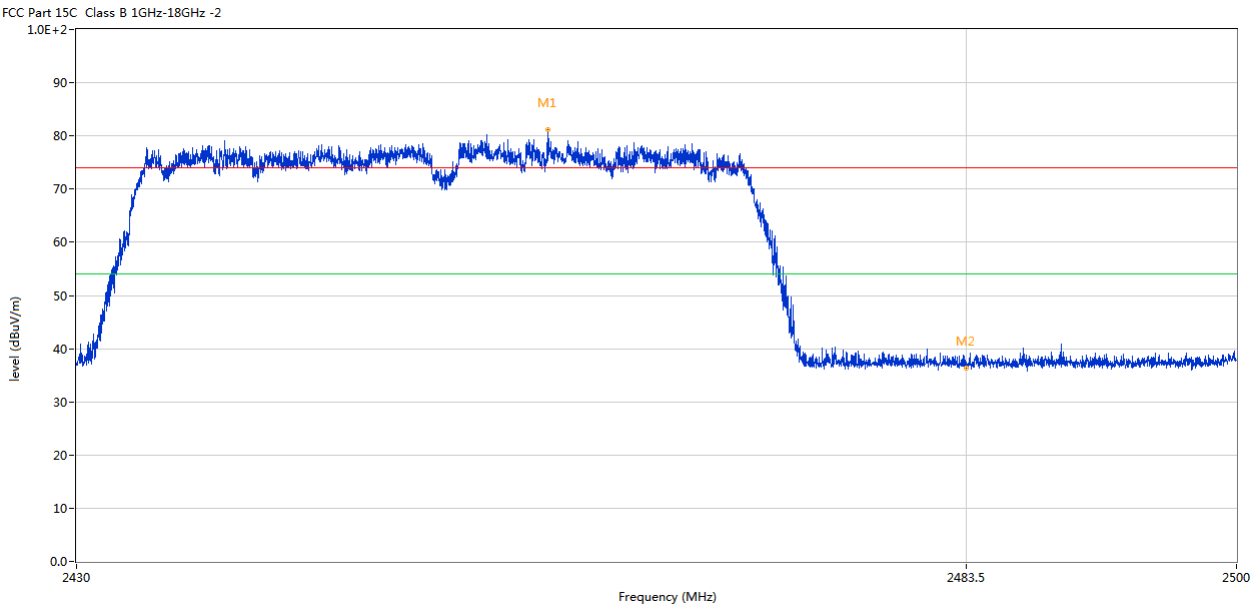


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441.915	86.39	-3.57	74.0	12.39	Peak	281.00	100	Horizontal	N/A
2	2483.500	38.00	-3.57	74.0	-36.00	Peak	156.78	100	Horizontal	Pass

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No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2458.220	81.23	-3.57	74.0	7.23	Peak	172.00	100	Vertical	N/A
2	2483.500	36.41	-3.57	74.0	-37.59	Peak	198.11	100	Vertical	Pass

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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

Chip antenna with gain 2.6dBi Max (Get from the antenna specification)

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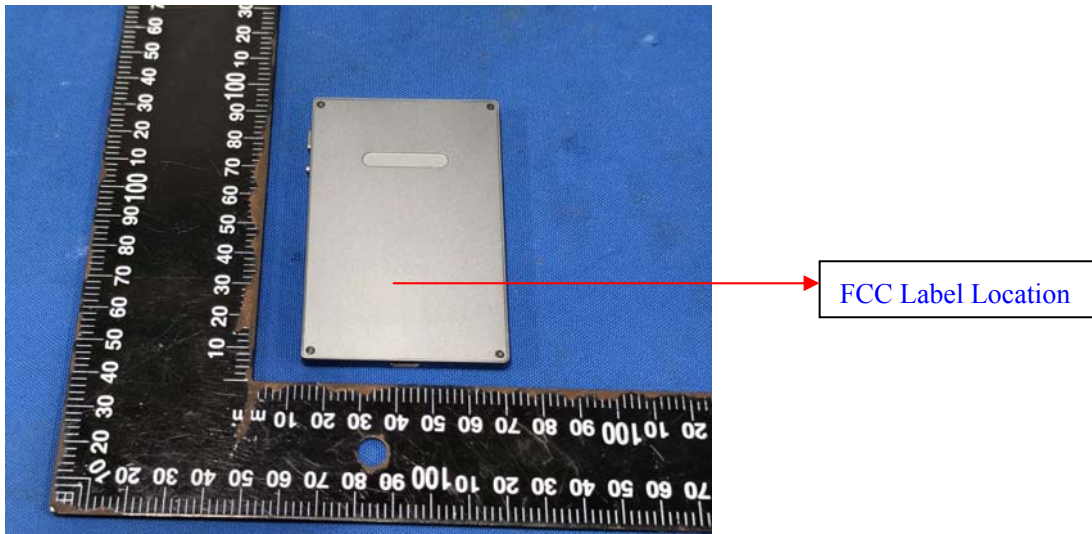


12.0 FCC ID Label

FCC ID: RBD-PKT01

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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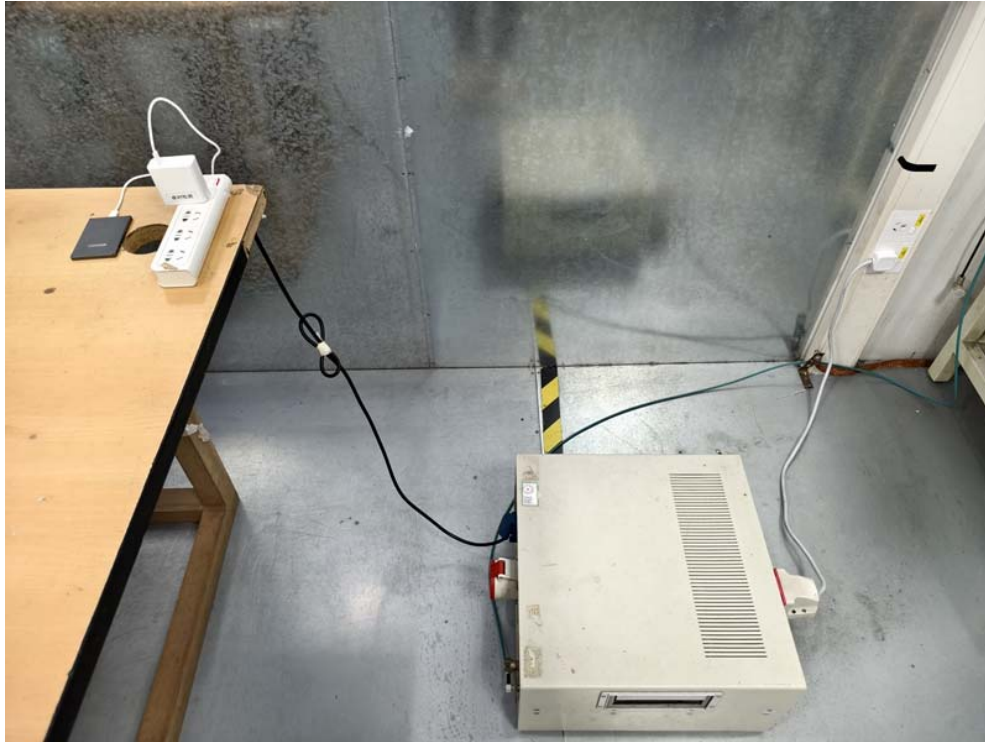
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13.0 Photo of testing

Conducted Emission Test Setup:



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Radiated Emission Test Setup:



Photographs – EUT

Please refer test report TW2508003-02E

-End of the report-

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