TEST REPORT

Report No.:	TW2504014-03E
Applicant:	Avantis Education Limited
Product:	VR Headset
Model No.:	CVR-255-64, CVR-255-32, CVR-255-64-A, CVR-355-128, CVR-355-128-M
Trademark:	CLASS VR
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

Manager

Dated: May 14, 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.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada 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

Test Report Conclusion

Content

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 Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A-02

For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Avantis Education Limited

Address: Unit 2&3 Jessop Court, Waterwells Business Park, Quedgeley, Gloucester, GL2 2AP UK Gloucester, United Kingdom

1.3 Description of EUT

Product: VR Headset

Manufacturer: Channel Electronics (M) SDN.BHD.

Address: Lot 16036, Jln Teknologi 6, Kaw. Perindustrian Tangkak, Johor, Malaysia

Brand Name: CLASS VR

Model Number: CVR-255-64

Additional Model Number: CVR-255-32, CVR-255-64-A, CVR-355-128, CVR-355-128-M

Hardware Version: EM_AX139_MB_V1.0

Software Version: qfil-cvr355128-1.0.4

Serial No.: 302VR0094J

Type of Modulation	IEEE 802.11b: DSSS (CCK, QPSK, DBPSK)
	IEEE 802.11g/n (HT20, HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
Frequency range	IEEE 802.11b/g/n (HT20): 2412-2462MHz; 802.11n HT40: 2422-2452MHz
Channel Spacing	5MHz for IEEE 802.11b/g/n HT20, HT40
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-mcs9
Frequency Selection	By software
Channel Number	IEEE 802.11b/g/n (HT20): 11 Channels; EEE 802.11n (HT40): 7 Channels;
Antenna:	Two FPC antenna used. The gain of the antennas is 1.90dBi for Main Antenna(J1501)

and 1.85dBi for the Aux Antenna(J1503) (Get from the antenna specification provided the manufacturer)

Rating: Input: DC5V, 2.4A

Battery: DC3.8V, 4000mAh Li-ion battery

1.4 Submitted Sample: 3 Samples

1.5 Test Duration

2025-04-16 to 2025-05-13

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%

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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic	--	--	N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2024-07-12	2025-07-11
RF Cable	Zhengdi	7m	--	2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

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

3. DESCRIPTION OF TEST MODES

IEEE 802.11b, 802.11g, 802.11n (HT20) 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) mode: mcs0 (worst case) were chosen for full testing

IEEE 802.11n (HT40) 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) mode: msc0 data rate (worst case) were chosen for full testing

Note: During the test, the duty cycle was set up to >98%

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 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of an 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 15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	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

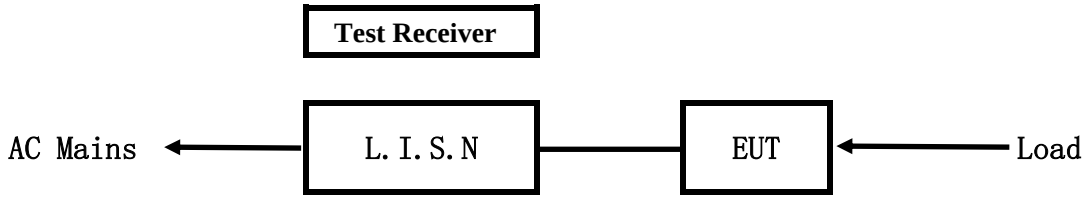
FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

5.0 Power Line Conducted Emission Test

5.1 Schematics of the test



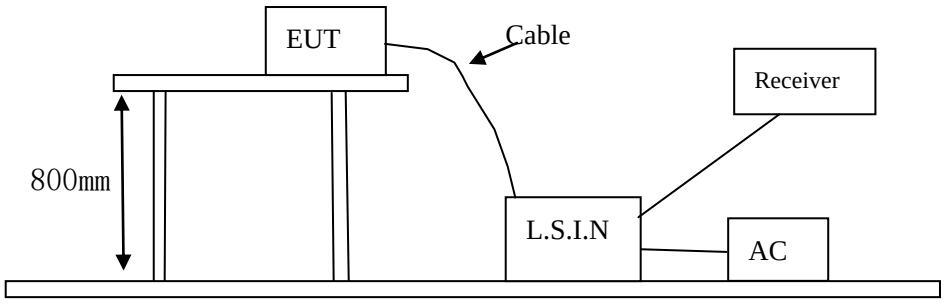
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013.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 C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
VR Headset	Channel Electronics (M) SDN.BHD.	CVR-255-64, CVR-255-32, CVR-255-64-A, CVR-355-128, CVR-355-128-M	2BNWDCVR-355-128M

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	MDY-12-EF	Input: 100-240V~, 50/60Hz, 1.7A; Output: DC5V, 3A; 5-20A; 6.2- 3.25A(67W Max)

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

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.

A: Conducted Emission on Live Terminal (150kHz to 30MHz)

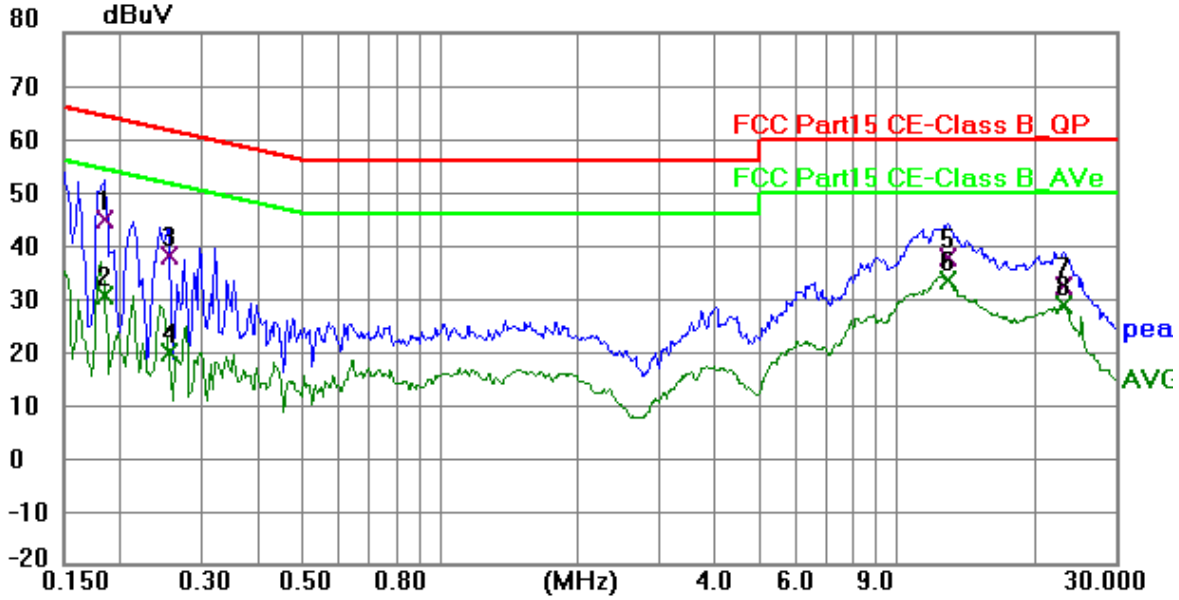
EUT Operating Environment

Temperature: 26℃ 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	0.1850	34.67	10.33	45.00	64.26	-19.26	QP	P
2	0.1850	20.03	10.33	30.36	54.26	-23.90	AVG	P
3	0.2553	27.59	10.33	37.92	61.58	-23.66	QP	P
4	0.2553	9.60	10.33	19.93	51.58	-31.65	AVG	P
5	12.9177	22.95	14.58	37.53	60.00	-22.47	QP	P
6	12.9177	18.85	14.58	33.43	50.00	-16.57	AVG	P
7	23.1201	16.61	15.76	32.37	60.00	-27.63	QP	P
8	23.1201	12.82	15.76	28.58	50.00	-21.42	AVG	P

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

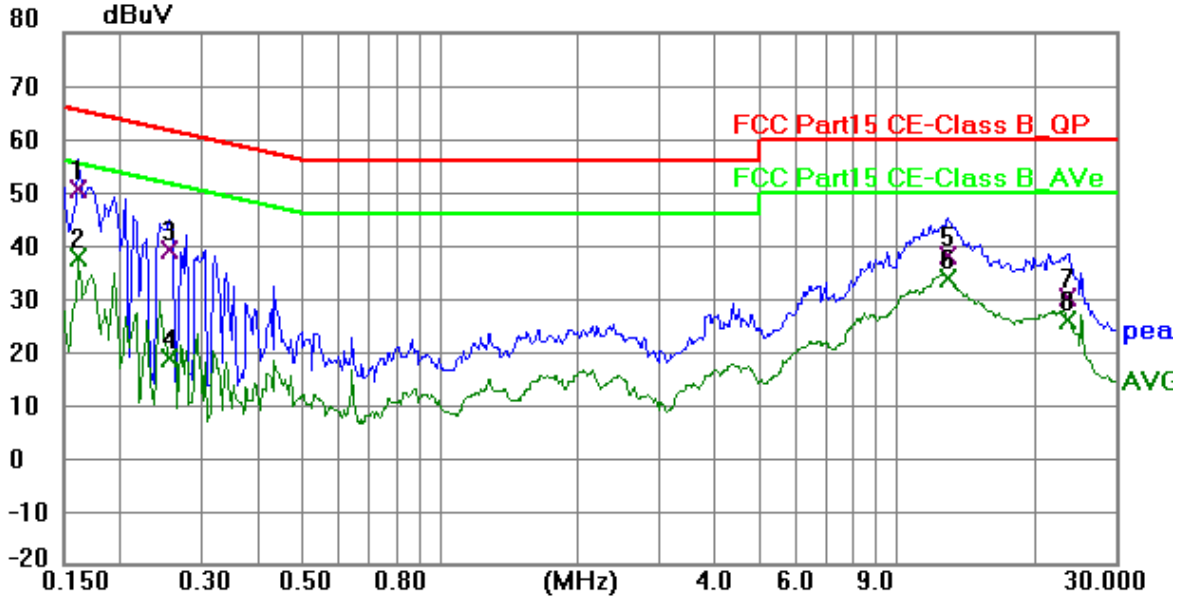
EUT Operating Environment

Temperature: 26℃ 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	0.1617	40.18	10.34	50.52	65.38	-14.86	QP	P
2	0.1617	27.17	10.34	37.51	55.38	-17.87	AVG	P
3	0.2553	28.72	10.33	39.05	61.58	-22.53	QP	P
4	0.2553	8.42	10.33	18.75	51.58	-32.83	AVG	P
5	12.8670	23.49	14.57	38.06	60.00	-21.94	QP	P
6	12.8670	19.35	14.57	33.92	50.00	-16.08	AVG	P
7	23.6310	14.60	15.64	30.24	60.00	-29.76	QP	P
8	23.6310	10.21	15.64	25.85	50.00	-24.15	AVG	P

6 Radiated Emission Test

6.1 Test Method and test Procedure:

(1) The EUT was tested according to ANSI C63.10-2013. 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 C63.10-2013.

(3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. F 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.

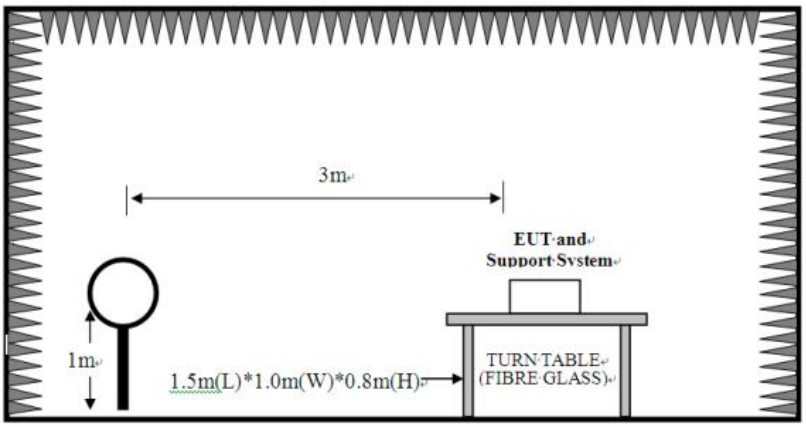
(4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.

(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.

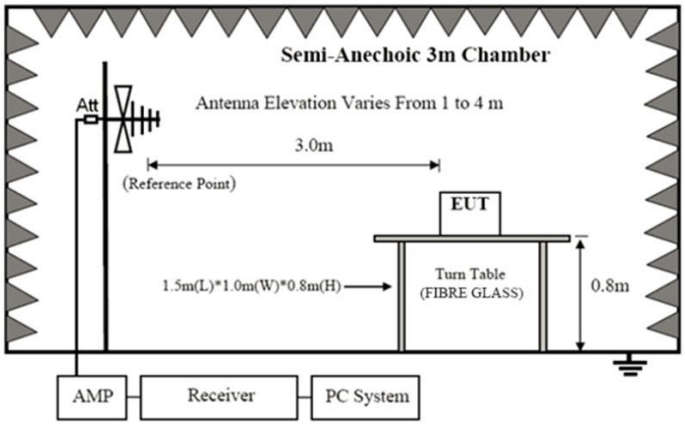
(6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

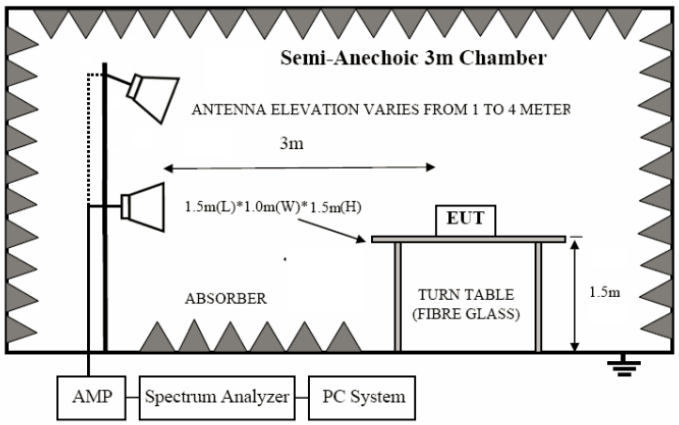
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to1GHz



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:

Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
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 higher limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. This is a handhold 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.

5. Worse case were recorded in the test report. 802.11b was the worst case.

6. MIMO Mode was tested and it was the worst case

7 Battery was fully charged during test

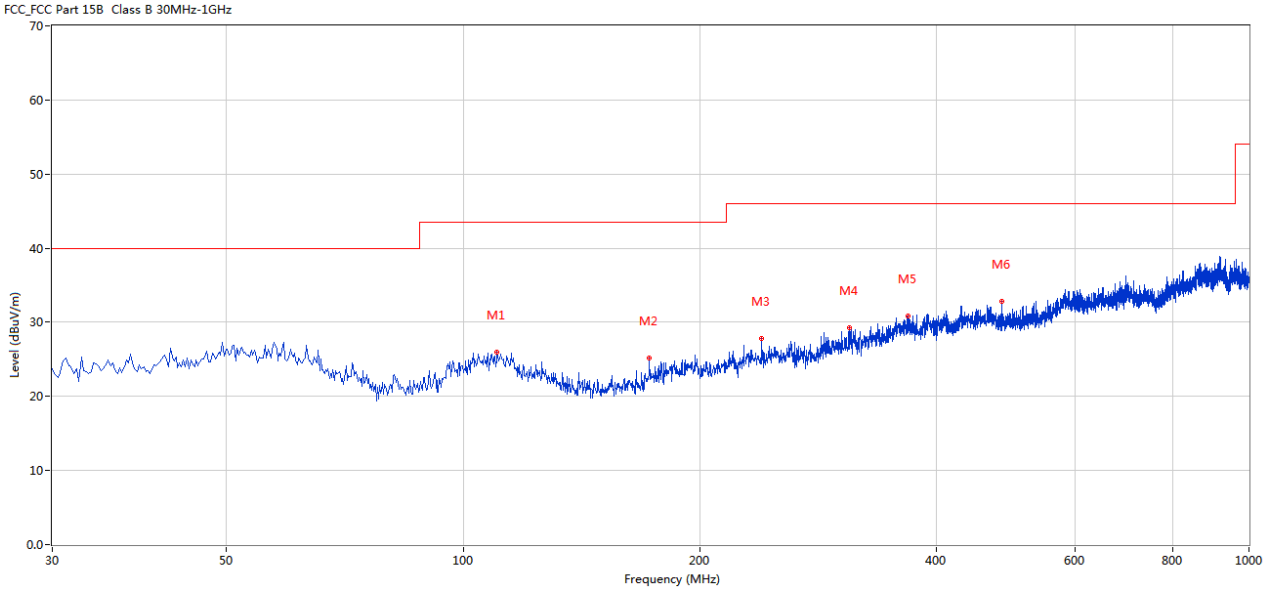
Test result

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	110.490	25.97	-5.95	43.5	17.53	Peak	360.00	100	Horizontal	Pass
2	172.554	25.14	-8.69	43.5	18.36	Peak	360.00	100	Horizontal	Pass
3	239.953	27.78	-5.65	46.0	18.22	Peak	311.00	100	Horizontal	Pass
4	310.502	29.29	-3.60	46.0	16.71	Peak	90.00	100	Horizontal	Pass
5	367.718	30.82	-1.72	46.0	15.18	Peak	105.00	100	Horizontal	Pass
6	485.301	32.78	-1.02	46.0	13.22	Peak	233.00	100	Horizontal	Pass

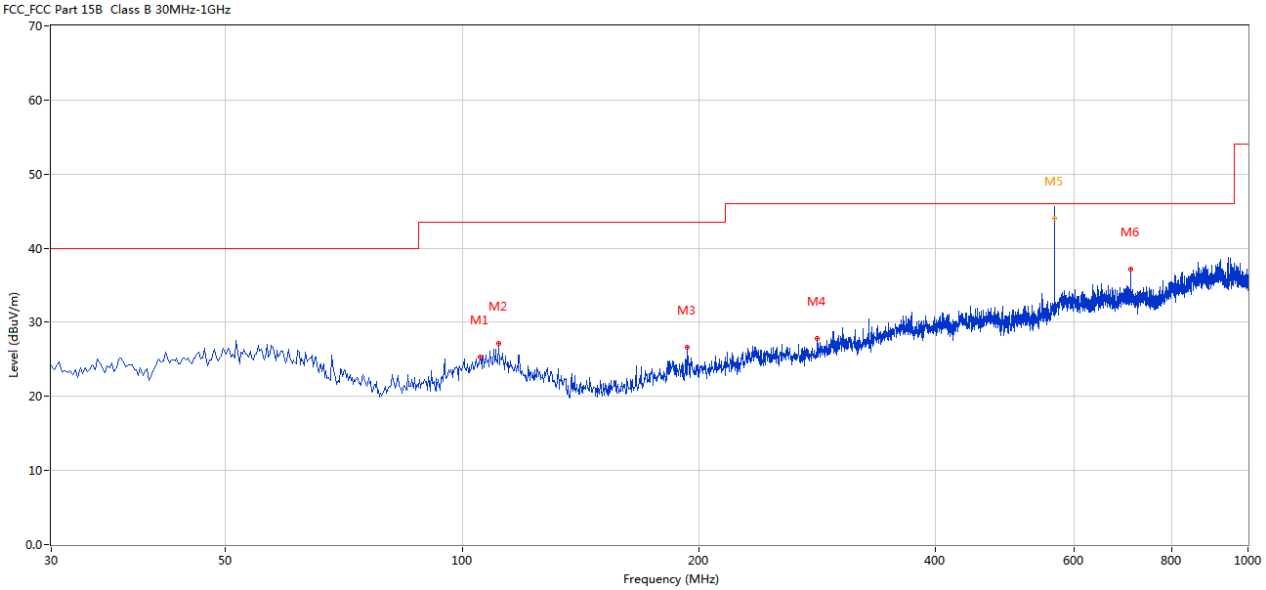
Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

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

EUT set Condition: **Keep Transmitting**

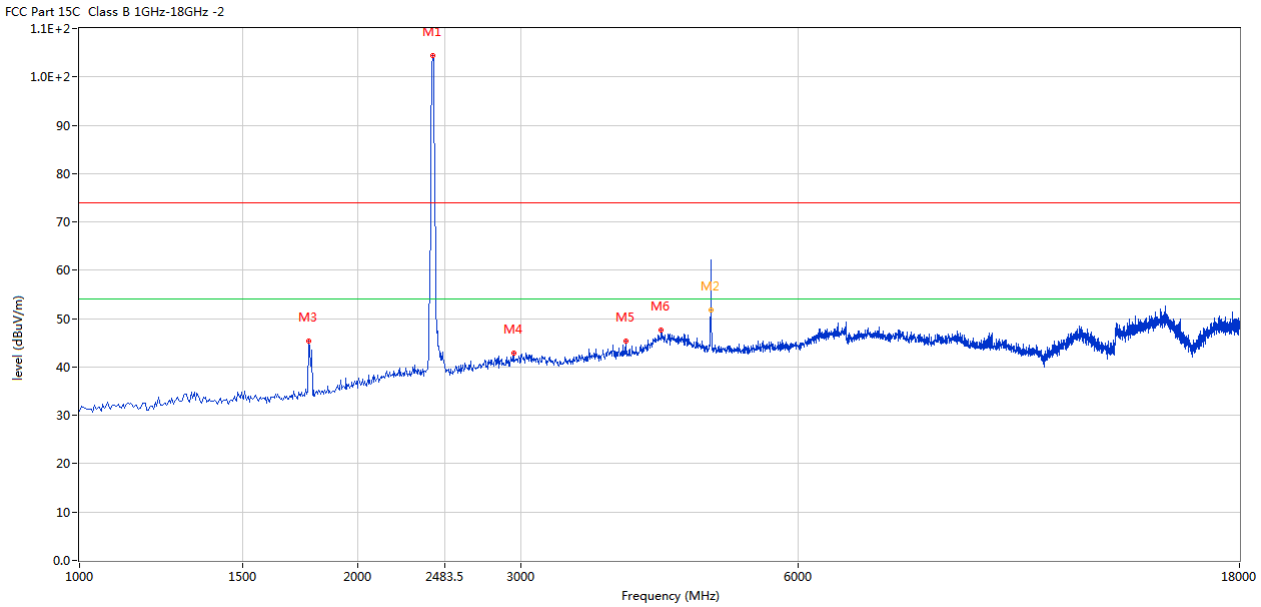
Results: **Pass**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	105.399	25.36	-6.18	43.5	18.14	Peak	156.00	100	Vertical	Pass
2	111.217	27.11	-5.99	43.5	16.39	Peak	247.00	100	Vertical	Pass
3	193.647	26.58	-7.18	43.5	16.92	Peak	347.00	100	Vertical	Pass
4	283.107	27.83	-4.89	46.0	18.17	Peak	273.00	100	Vertical	Pass
5*	567.246	44.04	0.60	46.0	1.96	QP	140.00	100	Vertical	Pass
6	709.558	37.12	2.23	46.0	8.88	Peak	114.00	100	Vertical	Pass

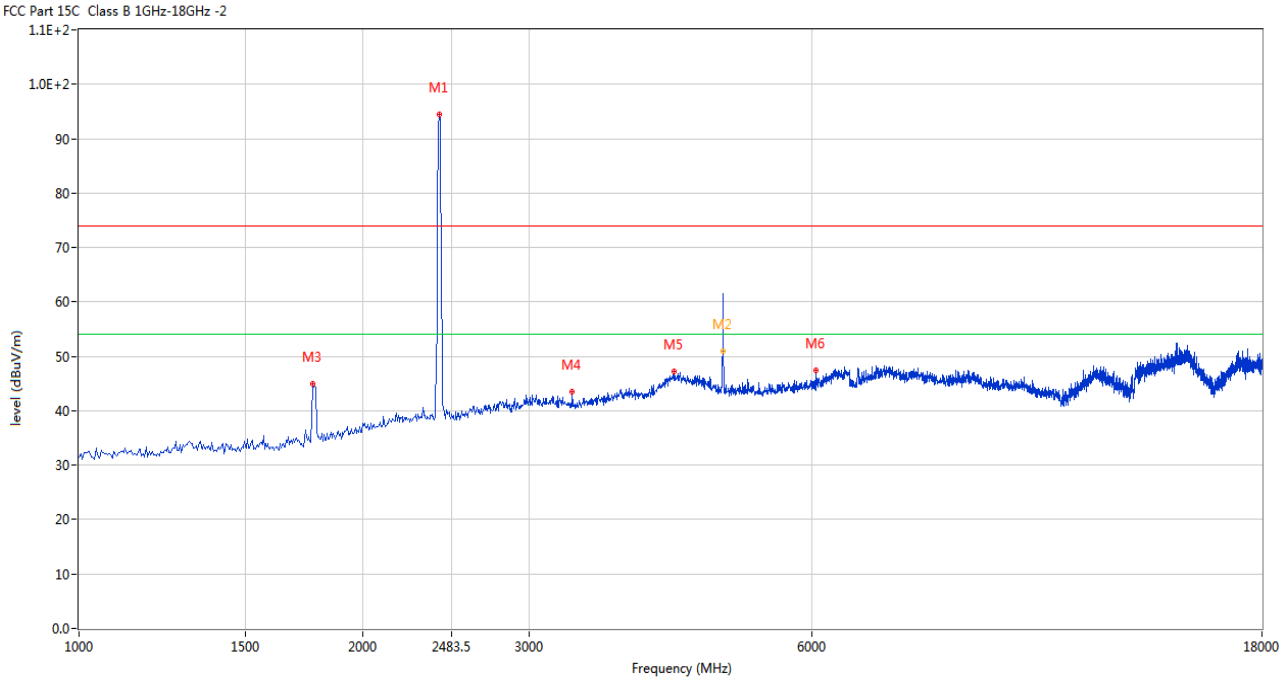
Please refer to the following test plots for details:

CH01 for 11n 802.11b: Horizontal



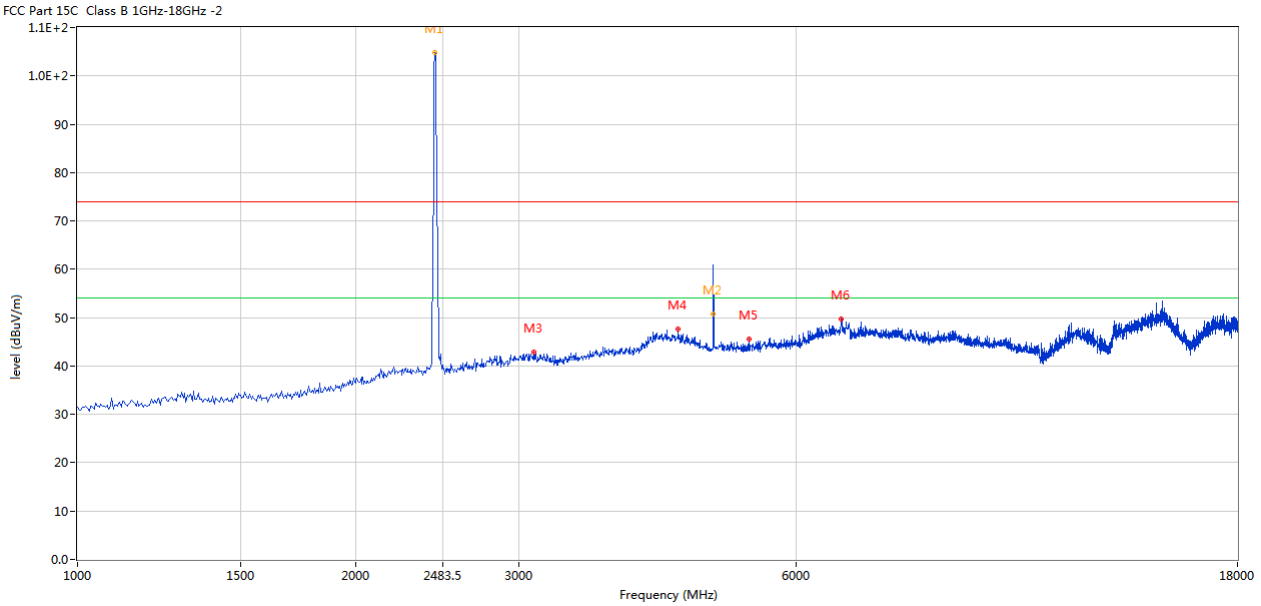
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2410.647	104.41	-3.57	74.0	30.41	Peak	307.00	100	Horizontal	N/A
2	4824.044	62.13	3.14	74.0	-11.87	Peak	307.00	100	Horizontal	Pass
2**	4824.044	51.88	3.14	54.0	-2.12	AV	307.00	100	Horizontal	Pass
3	1769.058	45.42	-7.05	74.0	-28.58	Peak	59.00	100	Horizontal	Pass
4	2950.262	42.88	-2.66	74.0	-31.12	Peak	110.00	100	Horizontal	Pass
5	3897.776	45.28	0.80	74.0	-28.72	Peak	255.00	100	Horizontal	Pass
6	4258.935	47.55	1.74	74.0	-26.45	Peak	271.00	100	Horizontal	Pass

CH01 for 11b: Vertical



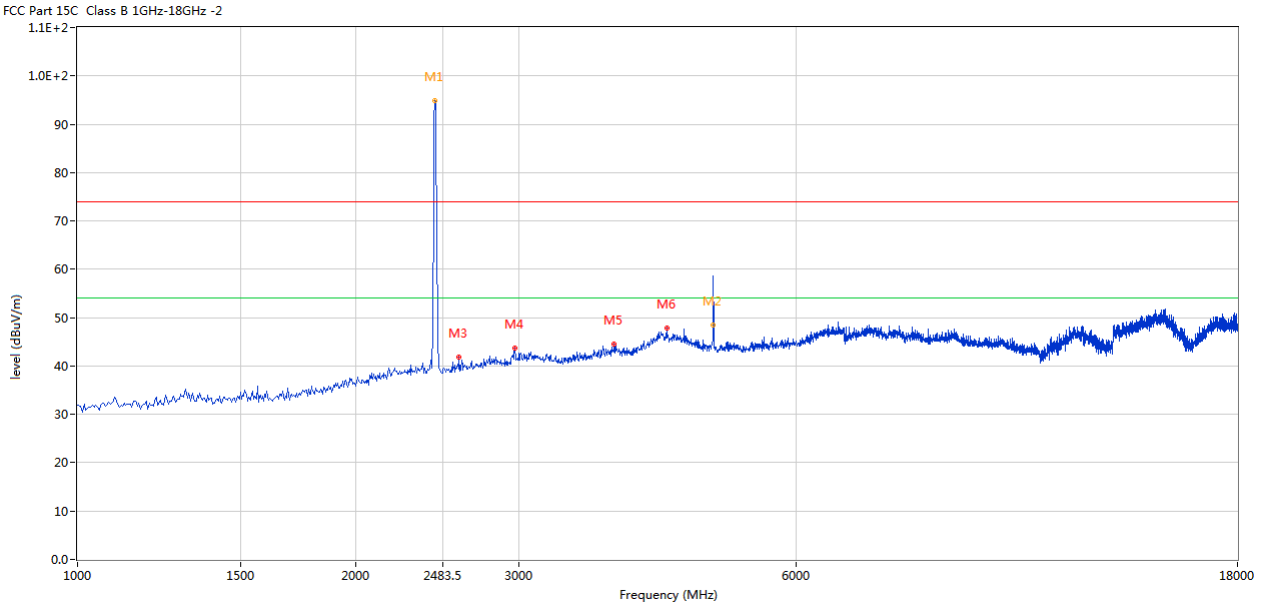
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2410.647	94.37	-3.57	74.0	20.37	Peak	192.00	100	Vertical	N/A
2	4824.044	61.51	3.14	74.0	-12.49	Peak	187.00	100	Vertical	Pass
2**	4824.044	51.02	3.14	54.0	-2.98	AV	187.00	100	Vertical	Pass
3	1769.058	44.90	-7.05	74.0	-29.10	Peak	192.00	100	Vertical	Pass
4	3336.916	43.41	-2.00	74.0	-30.59	Peak	240.00	100	Vertical	Pass
5	4275.931	47.23	1.78	74.0	-26.77	Peak	11.00	100	Vertical	Pass
6	6060.485	47.39	4.01	74.0	-26.61	Peak	48.00	100	Vertical	Pass

CH06 for 11b: Vertical



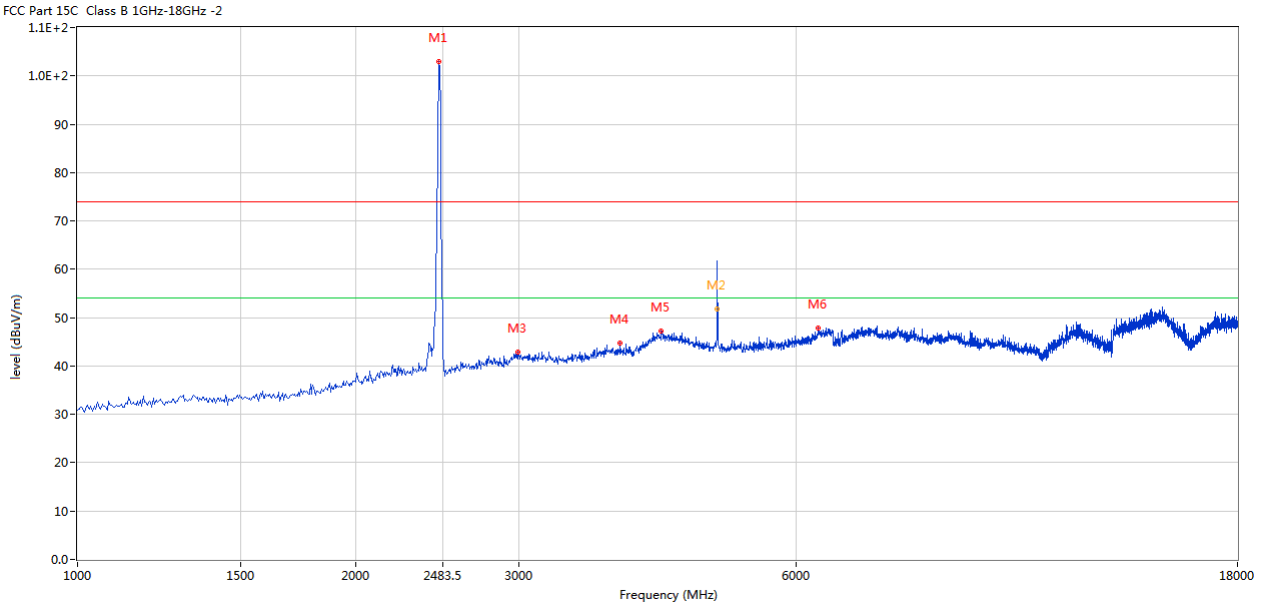
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2436.141	104.89	-3.57	74.0	30.89	Peak	310.00	100	Horizontal	N/A
2	4875.031	60.86	3.19	74.0	-13.14	Peak	124.00	100	Horizontal	Pass
2**	4875.031	50.74	3.19	54.0	-3.26	AV	124.00	100	Horizontal	Pass
3	3115.971	42.85	-2.16	74.0	-31.15	Peak	0.00	100	Horizontal	Pass
4	4467.133	47.64	2.14	74.0	-26.36	Peak	295.00	100	Horizontal	Pass
5	5325.419	45.60	3.54	74.0	-28.40	Peak	243.00	100	Horizontal	Pass
6	6706.323	49.64	6.69	74.0	-24.36	Peak	97.00	100	Horizontal	Pass

CH06 for 11b: Horizontal



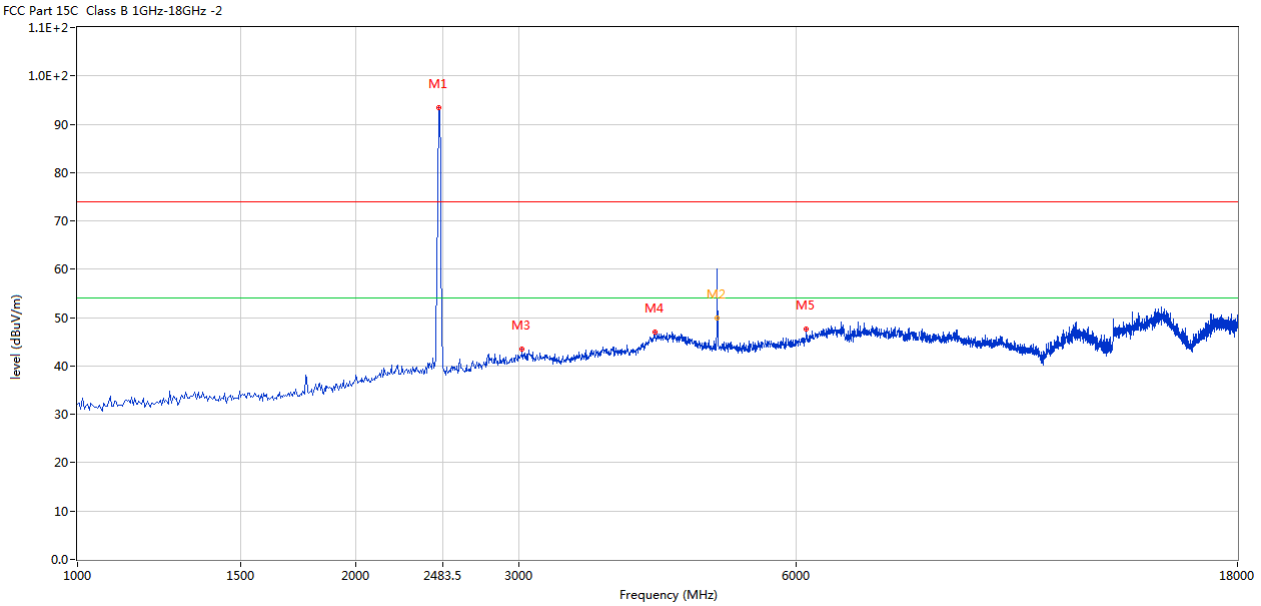
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2436.141	94.95	-3.57	74.0	20.95	Peak	174.00	100	Vertical	N/A
2	4875.031	58.68	3.19	74.0	-15.32	Peak	193.00	100	Vertical	Pass
2**	4875.031	48.57	3.19	54.0	-5.43	AV	193.00	100	Vertical	Pass
3	2589.103	41.78	-3.35	74.0	-32.22	Peak	94.00	100	Vertical	Pass
4	2975.756	43.69	-2.65	74.0	-30.31	Peak	184.00	100	Vertical	Pass
5	3808.548	44.47	0.35	74.0	-29.53	Peak	184.00	100	Vertical	Pass
6	4339.665	47.91	1.90	74.0	-26.09	Peak	143.00	100	Vertical	Pass

CH11 for 11b: 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	103.02	-3.57	74.0	29.02	Peak	249.00	100	Horizontal	N/A
2	4921.770	61.79	3.27	74.0	-12.21	Peak	249.00	100	Horizontal	Pass
2**	4921.770	51.73	3.27	54.0	-2.27	AV	249.00	100	Horizontal	Pass
3	2992.752	42.95	-2.64	74.0	-31.05	Peak	360.00	100	Horizontal	Pass
4	3868.033	44.71	0.65	74.0	-29.29	Peak	360.00	100	Horizontal	Pass
5	4284.429	47.26	1.80	74.0	-26.74	Peak	321.00	100	Horizontal	Pass
6	6332.417	47.76	5.09	74.0	-26.24	Peak	7.00	100	Horizontal	Pass

CH11 for 11b: 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	93.44	-3.57	74.0	19.44	Peak	191.00	100	Vertical	N/A
2	4921.770	60.10	3.27	74.0	-13.90	Peak	191.00	100	Vertical	Pass
2**	4921.770	49.99	3.27	54.0	-4.01	AV	191.00	100	Vertical	Pass
3	3026.743	43.48	-2.52	74.0	-30.52	Peak	248.00	100	Vertical	Pass
4	4216.446	47.06	1.64	74.0	-26.94	Peak	31.00	100	Vertical	Pass
5	6149.713	47.73	4.36	74.0	-26.27	Peak	15.00	100	Vertical	Pass

Note: 1. Result Level = Reading + Factor

2. Factor= AF + Cable Loss- Preamp

3. Margin = Result– Limit

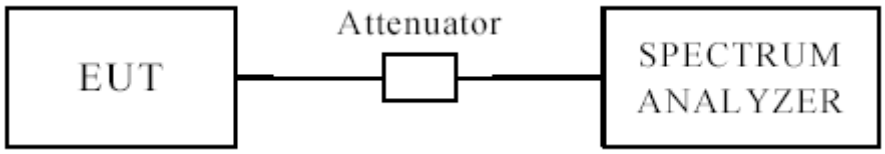
4. The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

5. For radiated Emissions from 18-25GHz, it is only the floor noise.

5. For radiated emissions below 30MHz, it is the floor noise and the field strength is much less than the limit for 20dB.

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) ≥ 3 x 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

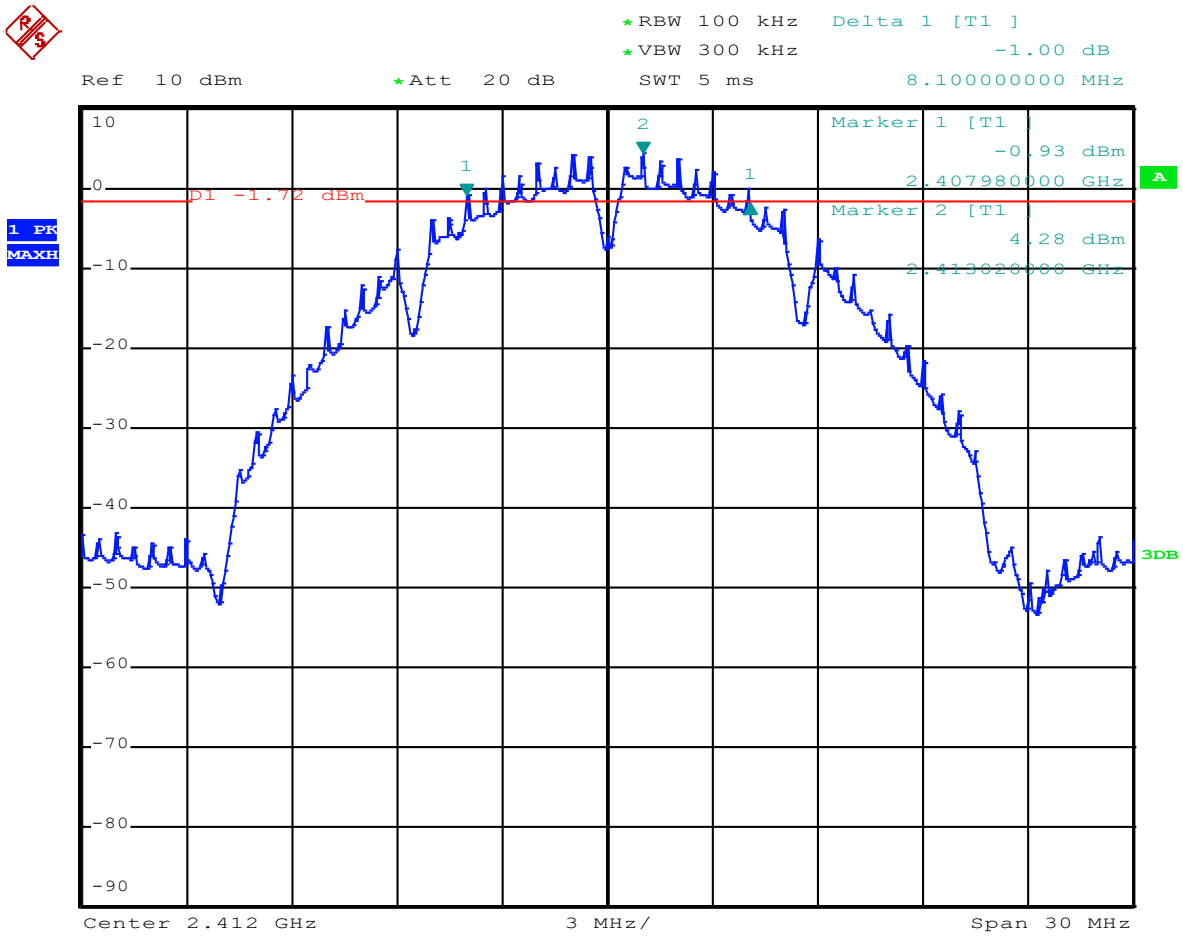
6dB Occupied Bandwidth

EUT	VR Headset	Model	CVR-255-64
Mode	802.11b	Input 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	8.10	0.5	Pass
6	2437	1	9.06	0.5	Pass
11	2462	1	9.06	0.5	Pass
1	2412	11	8.28	0.5	Pass
6	2437	11	9.06	0.5	Pass
11	2462	11	9.00	0.5	Pass

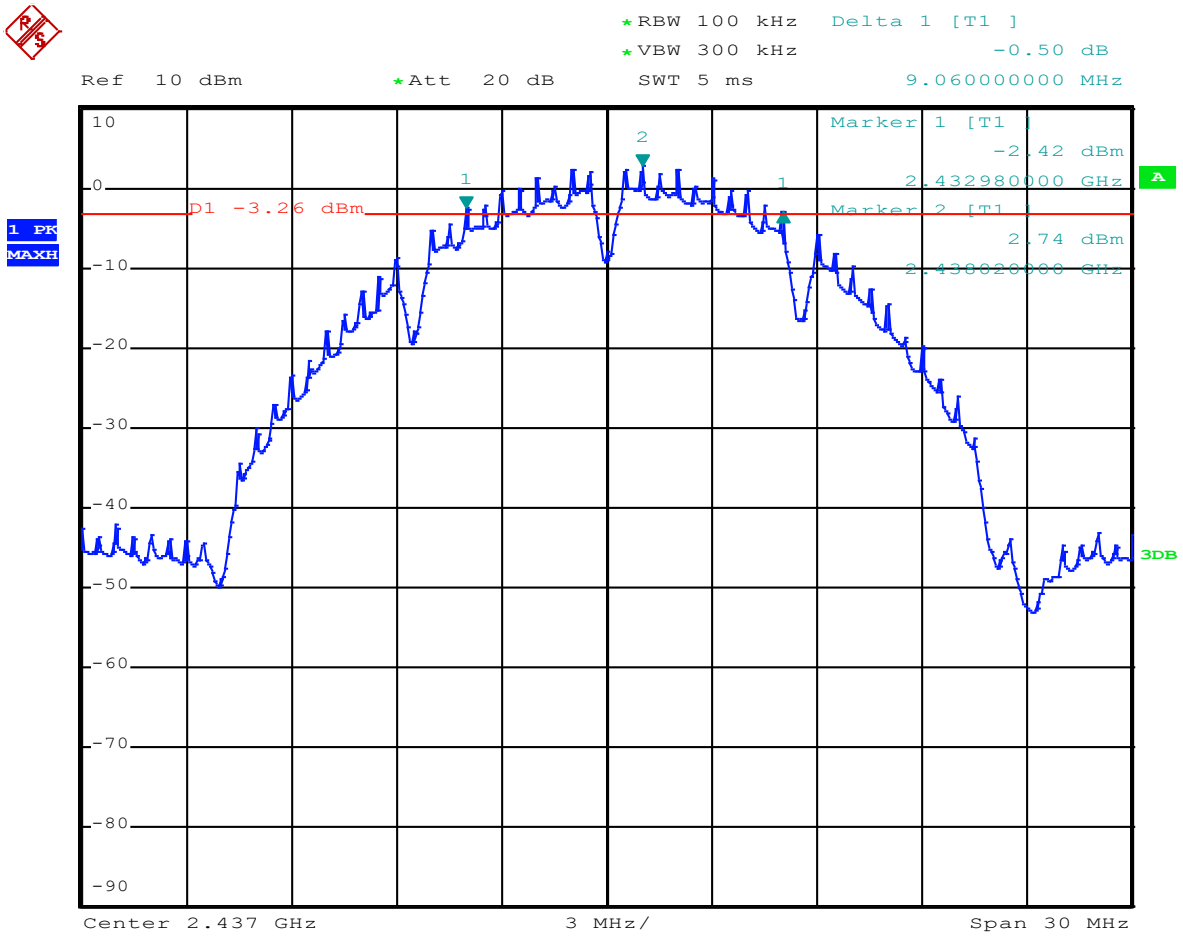
Note: Two antennas (J1501 and J1503) were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

1. 802.11b at 1Mbps of CH01



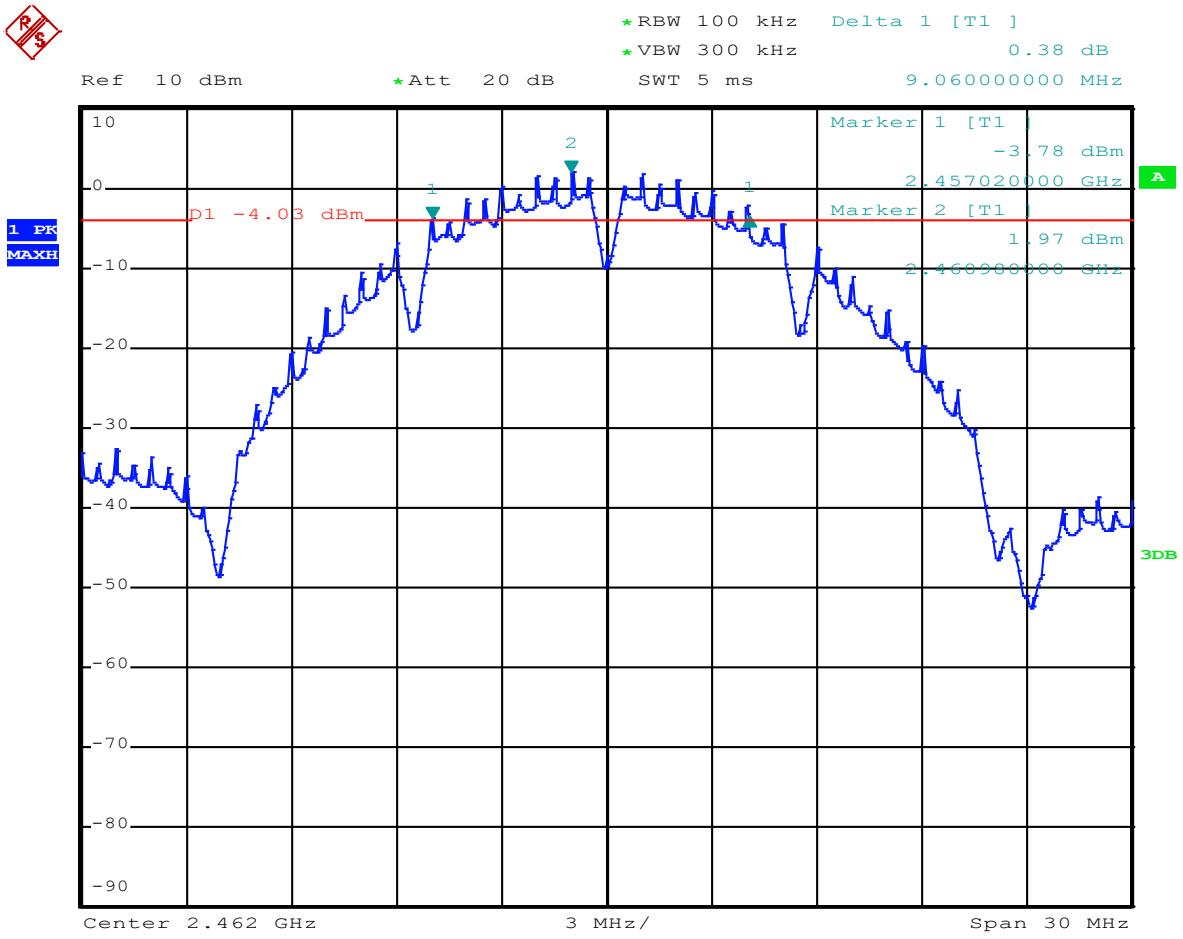
Date: 7.MAY.2025 15:31:28

2. 802.11b at 1Mbps of CH06



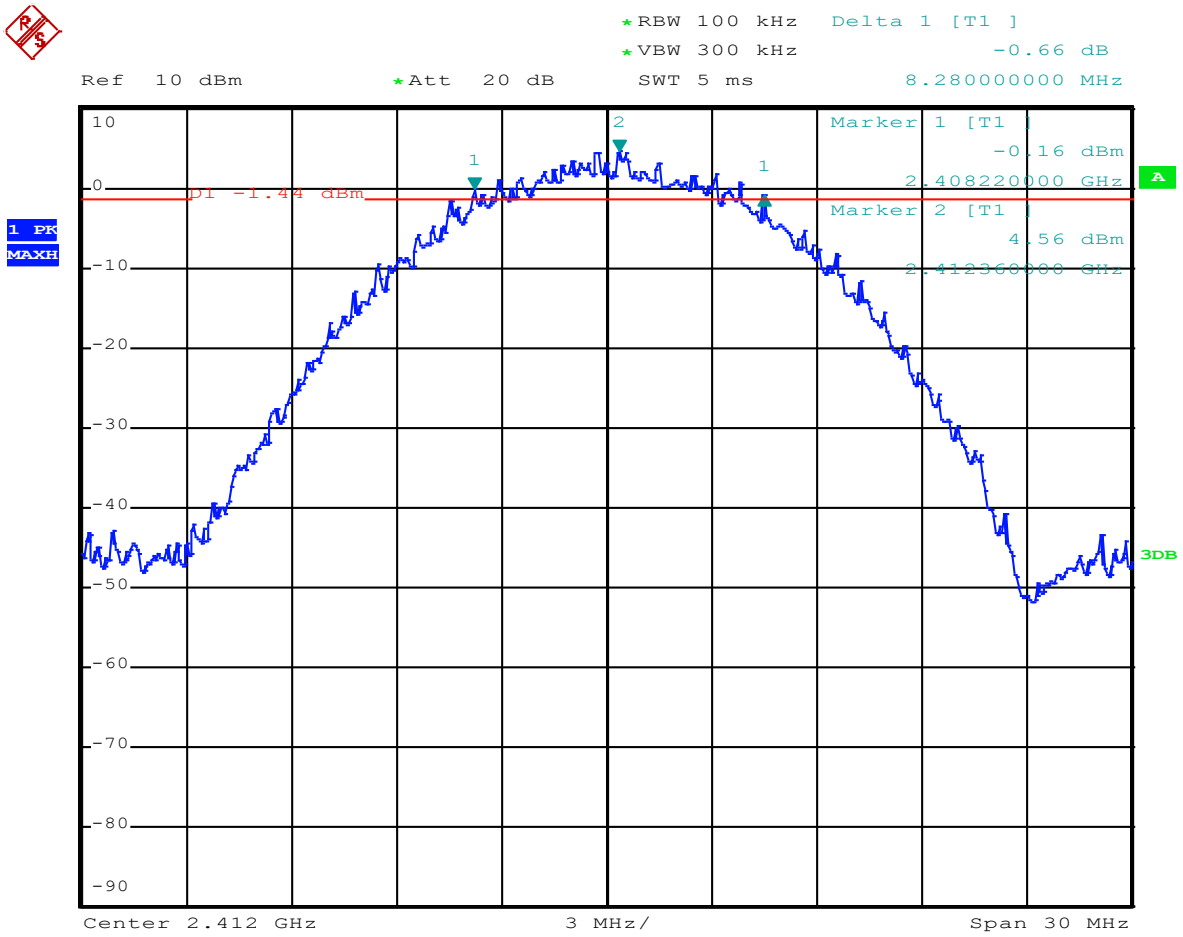
Date: 7.MAY.2025 16:52:08

3. 802.11b at 1Mbps of CH11



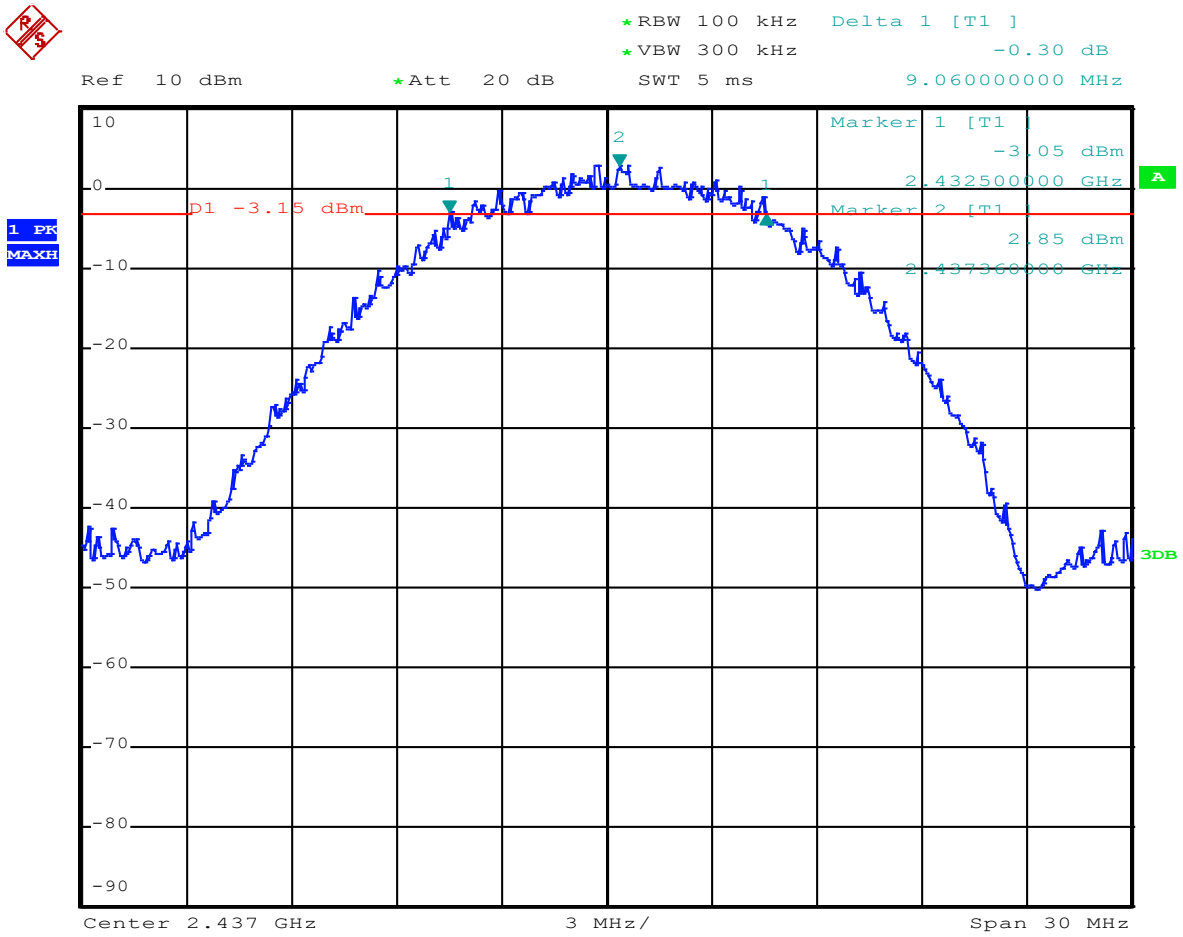
Date: 7.MAY.2025 16:58:52

4. 802.11b at 11Mbps of CH01



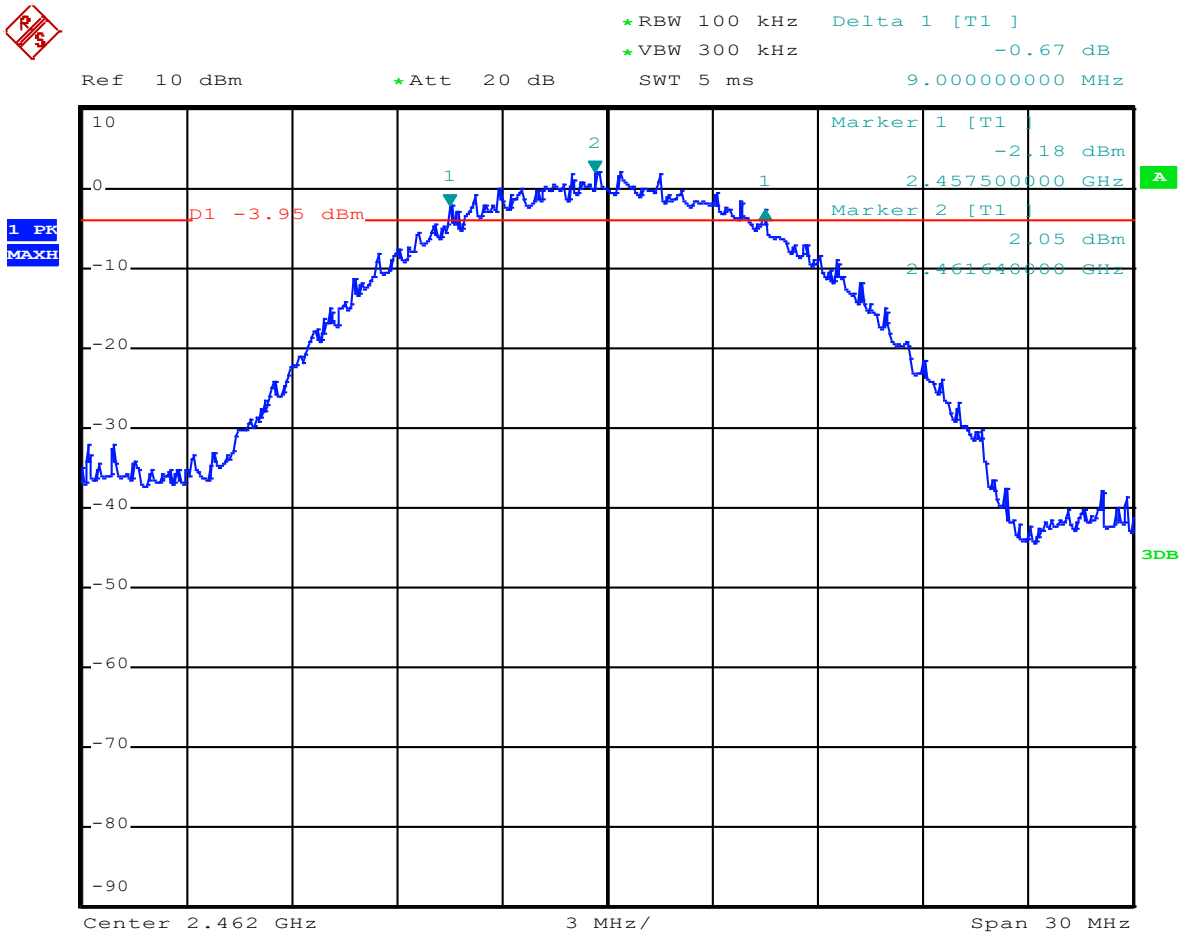
Date: 7.MAY.2025 15:36:46

5. 802.11b at 11Mbps of CH06



Date: 7.MAY.2025 16:37:34

6. 802.11b at 11Mbps of CH11



Date: 7.MAY.2025 17:12:16

6dB Occupied Bandwidth

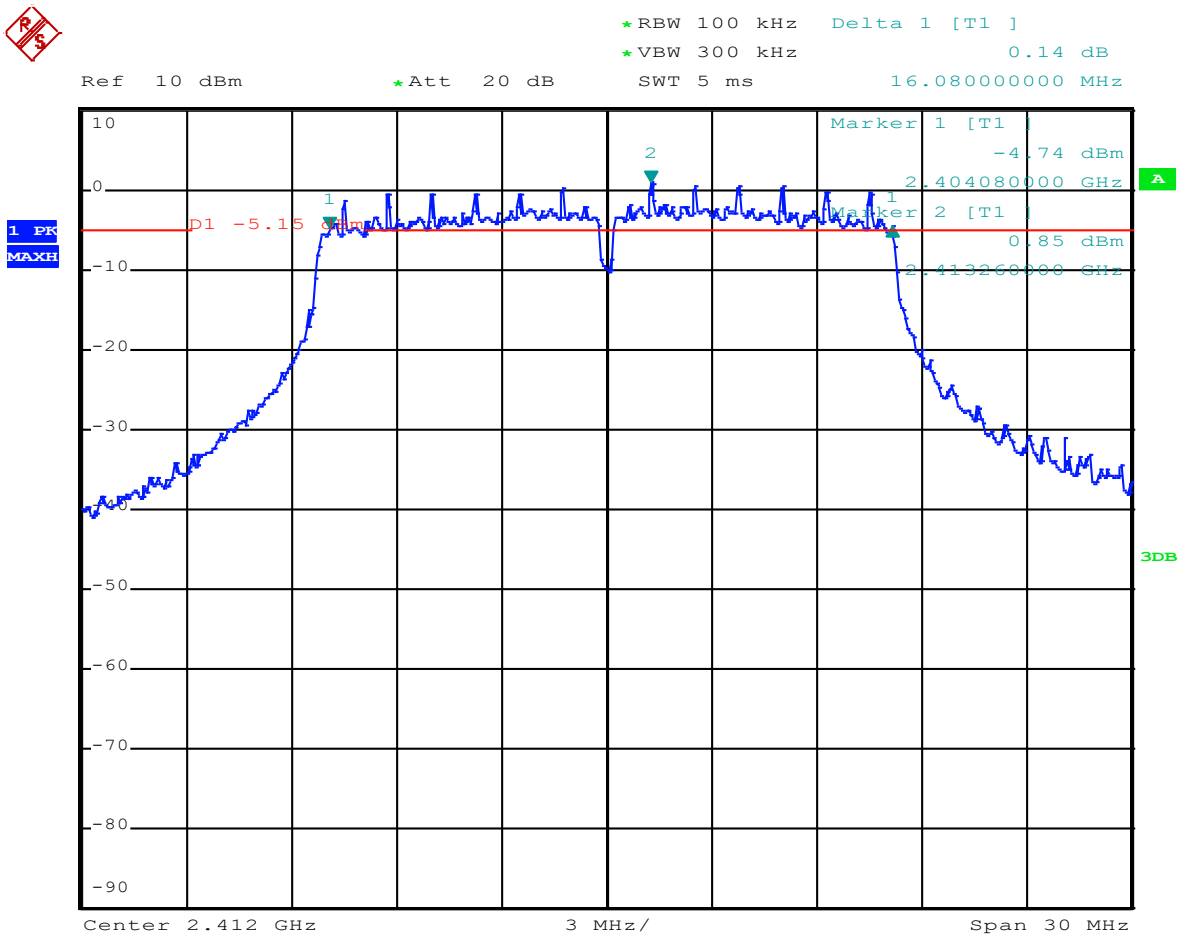
EUT	VR Headset	Model	CVR-255-64
Mode	802.11g	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	6	16.08	0.5	Pass
6	2437	6	16.32	0.5	Pass
11	2462	6	16.38	0.5	Pass

Note: Two antennas (J1501 and J1503) were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

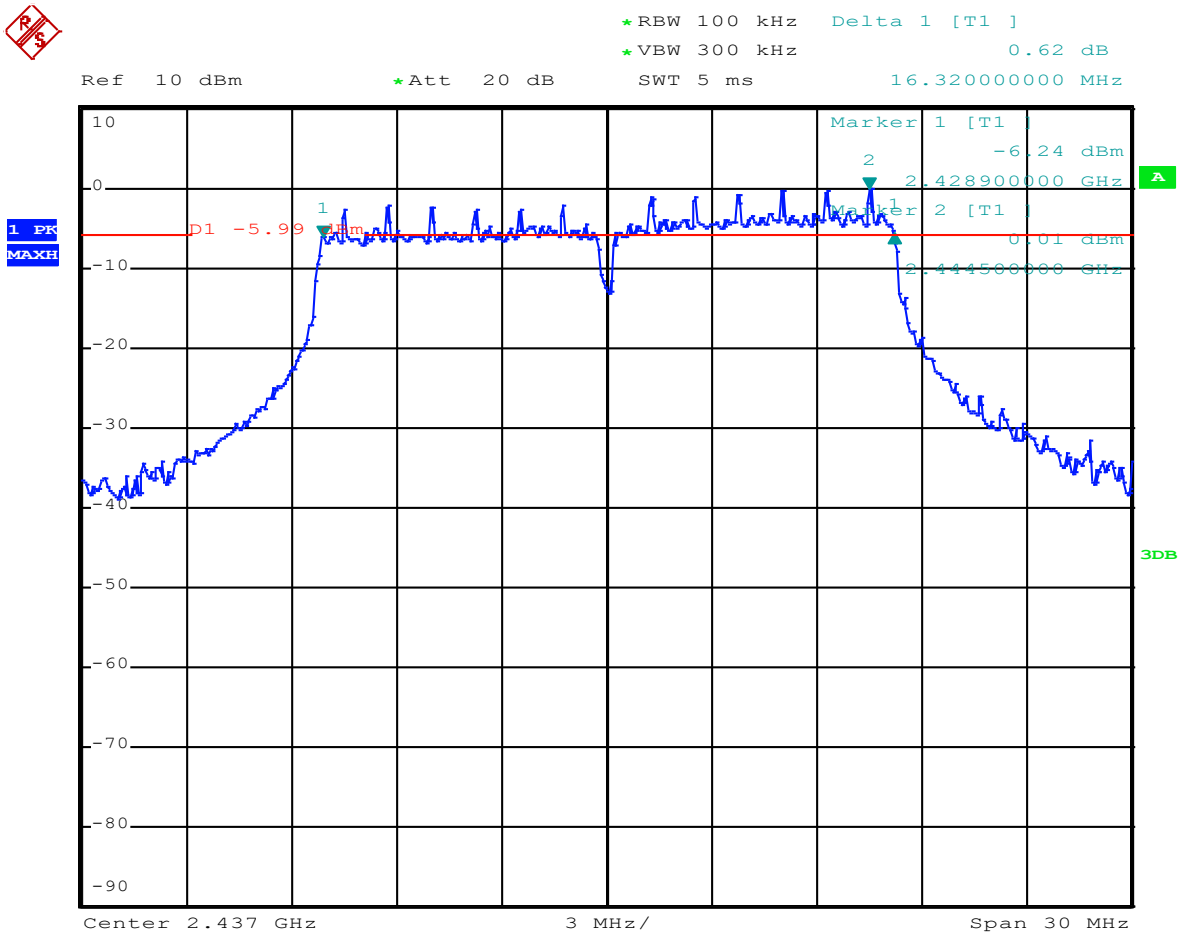
Test Plots:

1. 802.11g at 6Mbps of CH01



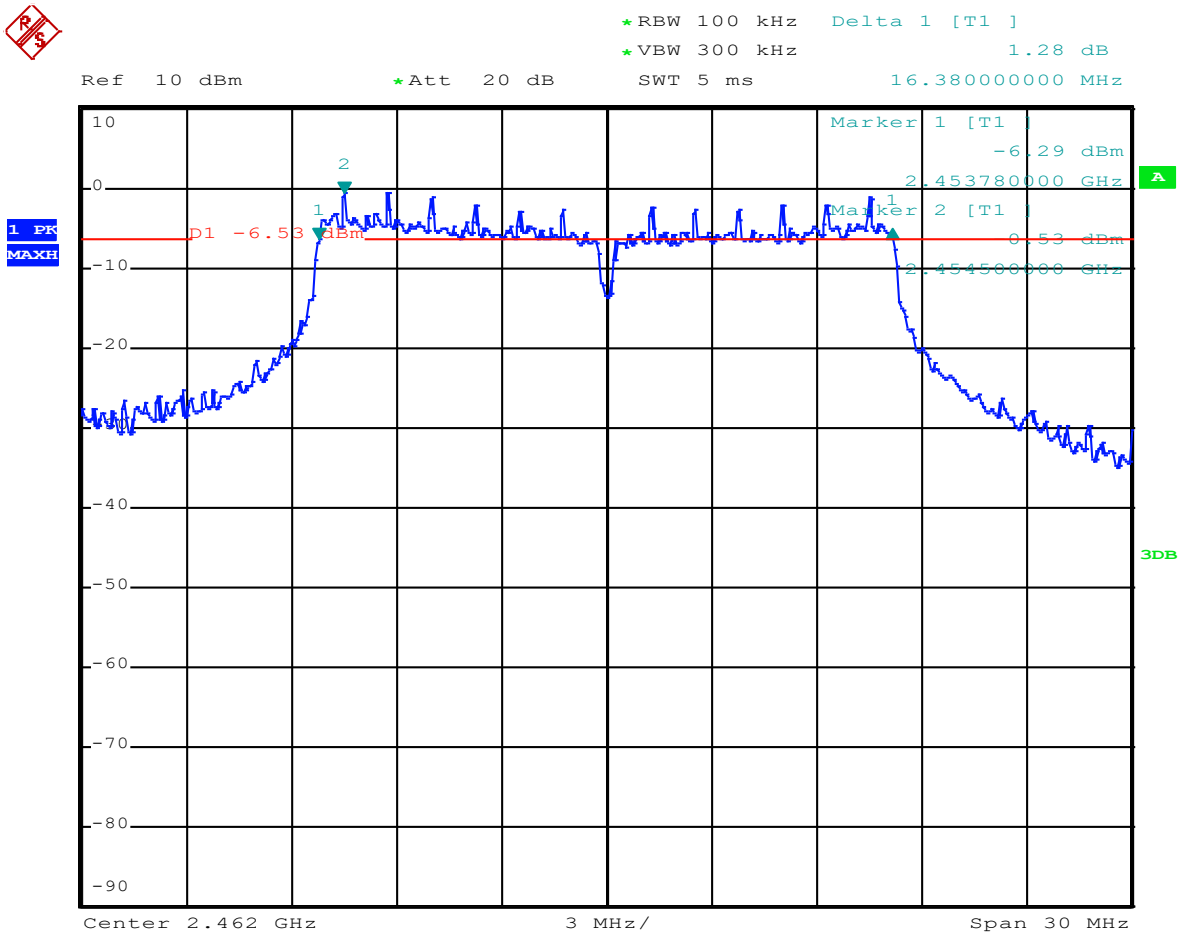
Date: 7.MAY.2025 15:50:53

2. 802.11g at 6Mbps of CH06



Date: 7.MAY.2025 16:25:52

3. 802.11g at 6Mbps of CH11



Date: 7.MAY.2025 17:24:33

6dB Occupied Bandwidth

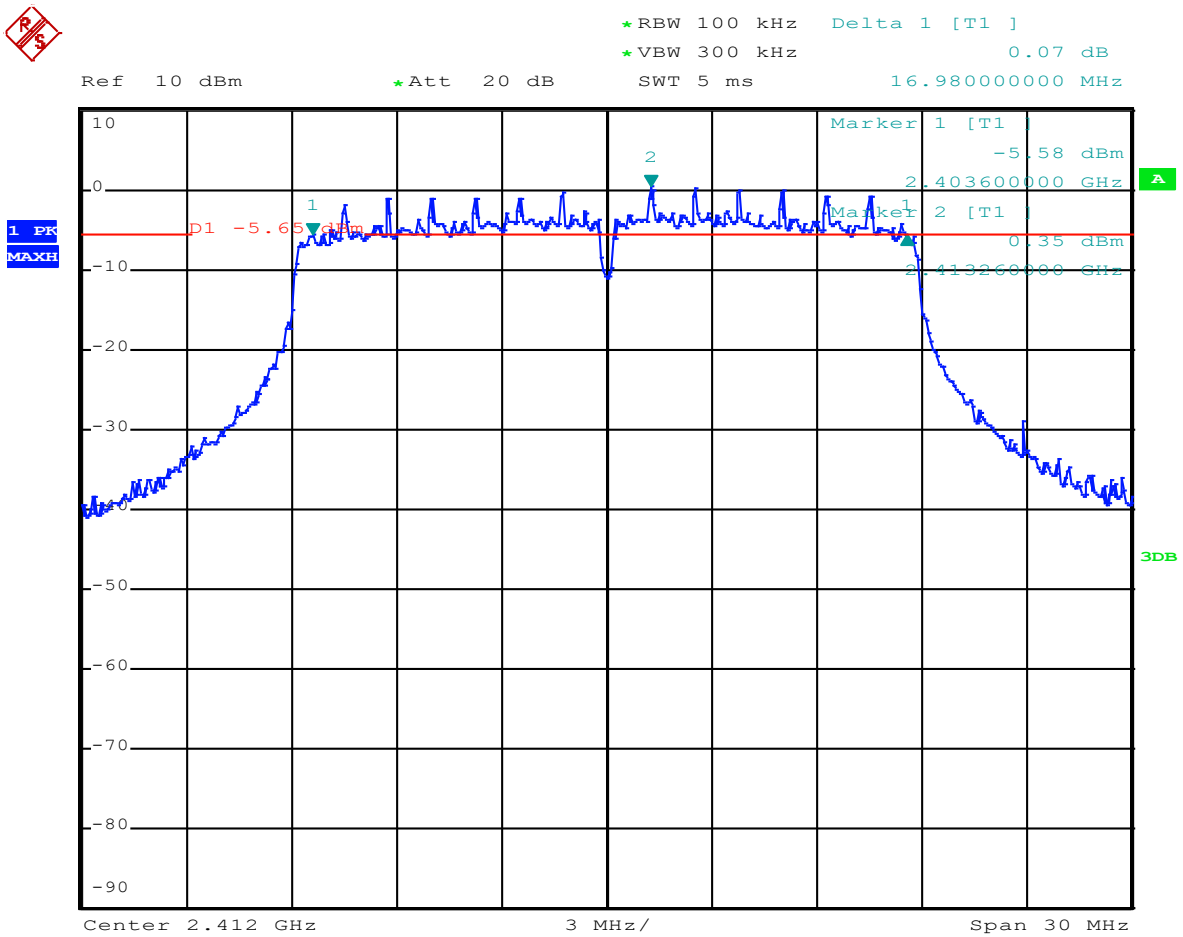
EUT	VR Headset	Model	CVR-255-64
Mode	802.11n HT20	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Channel Frequency (MHz)	Data Transfer Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass/ Fail
1	2412	mcs0	16.98	0.5	Pass
6	2437	mcs0	17.22	0.5	Pass
11	2462	mcs0	17.70	0.5	Pass

Note: Two antennas (J1501 and J1503) were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

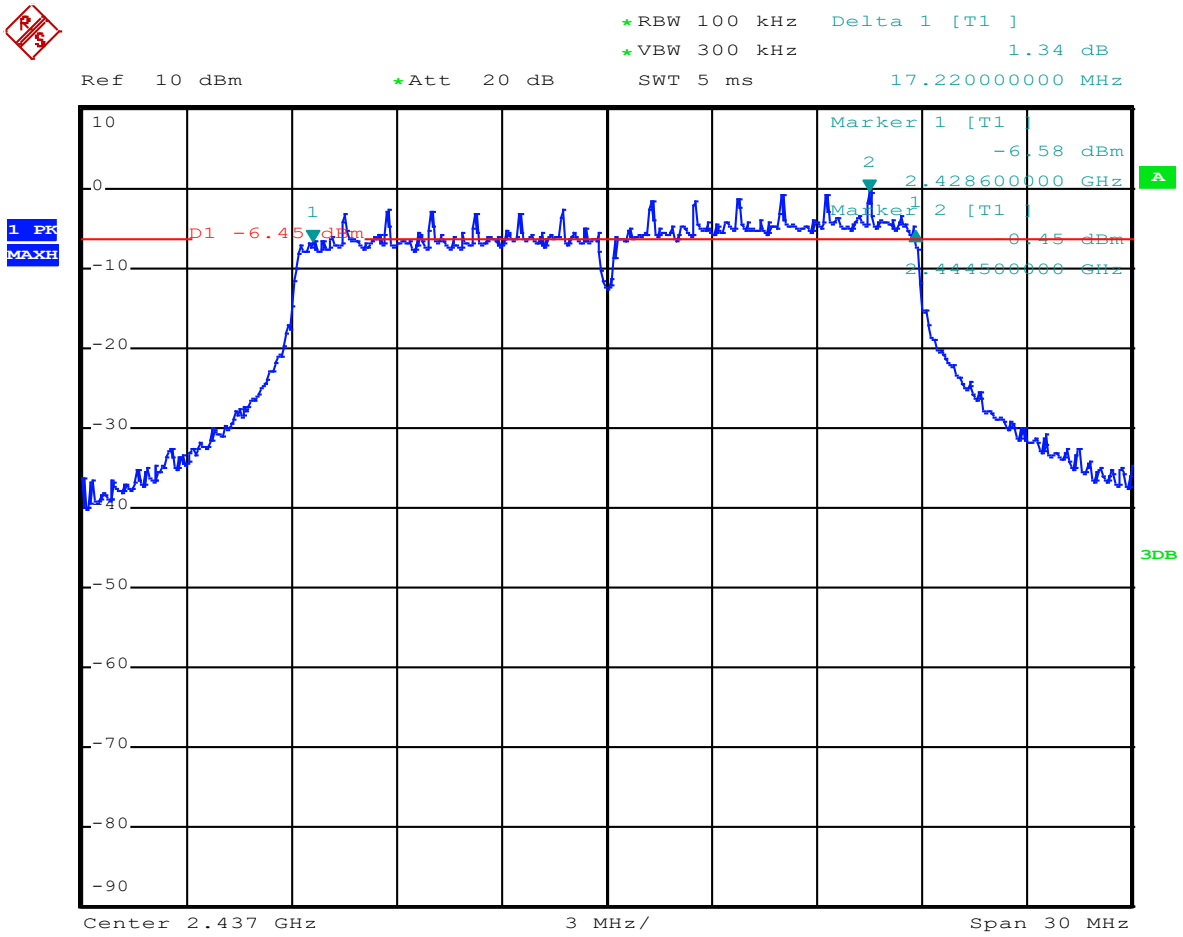
Test Plots:

1. 802.11n at HT20 of CH01



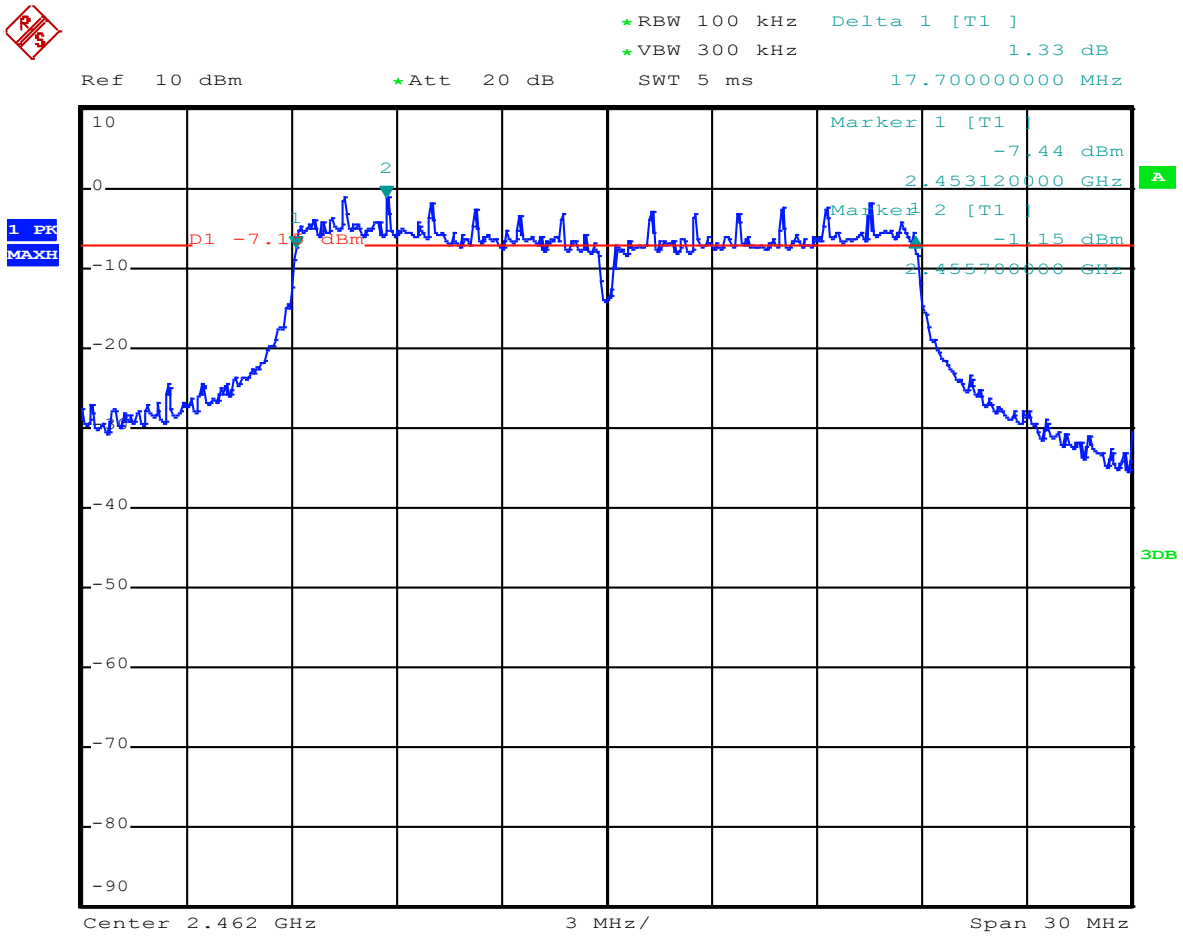
Date: 7.MAY.2025 16:00:54

2. 802.11n at HT20 of CH06



Date: 7.MAY.2025 16:19:11

3. 802.11n at HT20 of CH11



Date: 7.MAY.2025 17:45:58

6dB Occupied Bandwidth

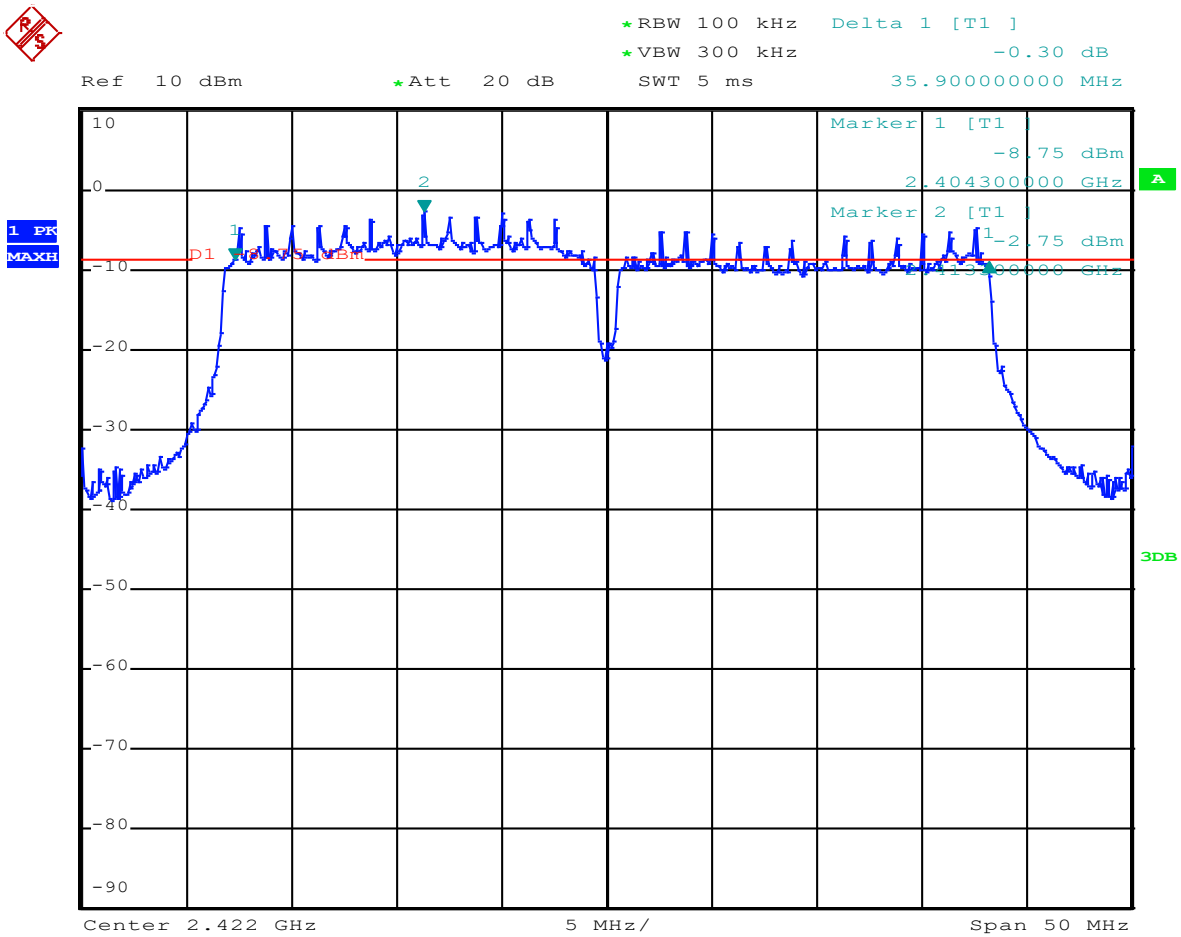
EUT	VR Headset	Model	CVR-255-64
Mode	802.11n HT40	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

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	35.80	0.5	Pass
9	2452	mcs0	35.40	0.5	Pass

Note: Two antennas (J1501 and J1503) were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

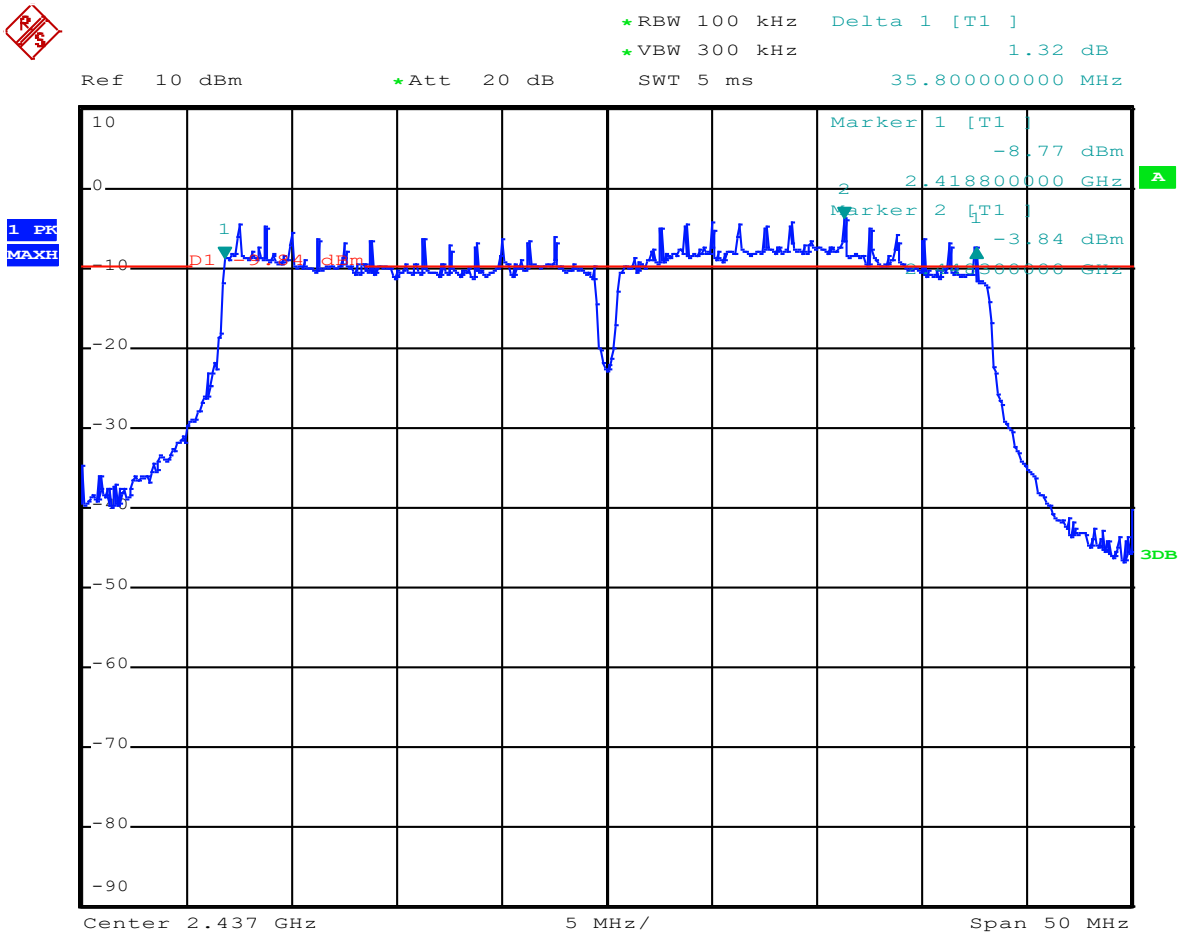
Test Plots:

1. 802.11n at HT40 of CH03



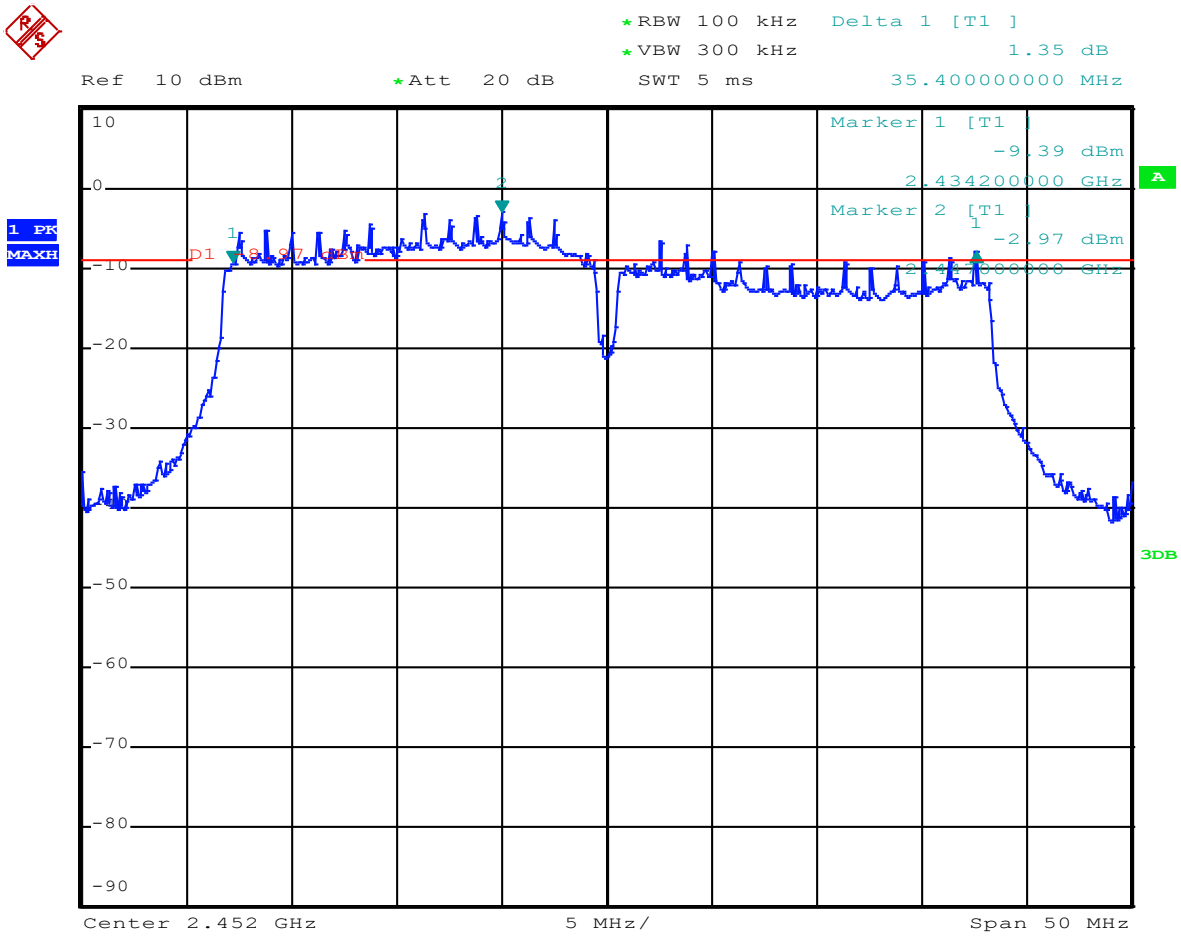
Date: 7.MAY.2025 17:51:24

2. 802.11n at HT40 of CH06



Date: 7.MAY.2025 17:54:12

3. 802.11n at HT40 of CH09



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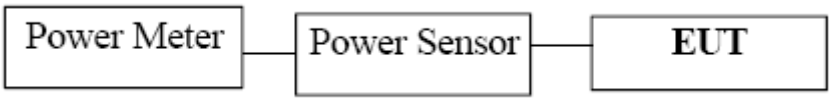
8. Maximum Output Power

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 Average power was measured

8.4Test Results

EUT	VR Headset	Model	CVR-255-64
Mode	802.11b	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power	J1503 Power	Total Max. Power Output (dBm)	Power Limit (dBm)	Pass/ Fail
		dBm	dBm			
1	2412	10.61	9.78	13.23	30	Pass
6	2437	10.55	10.12	13.35	30	Pass
11	2462	10.60	10.03	13.33	30	Pass

Note: 1. At finial test to get the worst-case emission at 1Mbps 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	VR Headset	Model	CVR-255-64
Mode	802.11g	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power	J1503 Power	Total Max. Power Output (dBm)	Power Limit (dBm)	Pass/ Fail
		dBm	dBm			
1	2412	10.48	9.95	13.23	30	Pass
6	2437	10.37	9.91	13.16	30	Pass
11	2462	10.45	9.94	13.21	30	Pass

Note: 1. At finial test to get the worst-case emission at 6Mbps 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	VR Headset	Model	CVR-255-64
Mode	802.11n (HT20)	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power	J1503 Power	Total Max. Power Output (dBm)	Power Limit (dBm)	Pass/ Fail
		dBm	dBm			
1	2412	10.60	9.99	13.32	30	Pass
6	2437	10.35	9.90	13.14	30	Pass
11	2462	10.45	10.02	13.25	30	Pass

Note: 1. At finial 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	VR Headset	Model	CVR-255-64
Mode	802.11n (HT40)	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power	J1503 Power	Total Max. Power Output (dBm)	Power Limit (dBm)	Pass/ Fail
		dBm	dBm			
3	2422	10.46	10.08	13.28	30	Pass
6	2437	10.56	10.06	13.33	30	Pass
9	2452	10.40	10.01	13.22	30	Pass

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

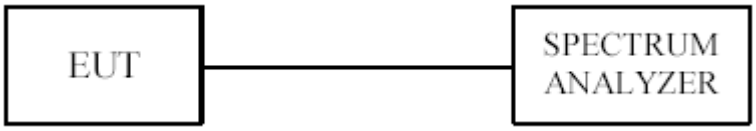
2. The result basic equation calculation as follow:

Power Output = Power Reading + Cable loss + Attenuator

3. The worse case was recorded

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 ≥ 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 ≤ 8 dBm/3kHz.

9.4Test Result

EUT	VR Headset	Model	CVR-255-64
Mode	802.11b 11Mbps	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power Spectral Density	Factor	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Pass/ Fail
1	2412	-8.61	3.01	-5.60	8	Pass
6	2437	-9.13	3.01	-6.12	8	Pass
1	2462	-9.88	3.01	-6.87	8	Pass

Note: 1. Total Power Spectral Density = Ant1 Power Spectral Density + Factor

2. Factor=10log2=3.01

3. J1501 and J1503 were tested and J1501 was the worst case

EUT	VR Headset	Model	CVR-255-64
Mode	802.11b 1Mbps	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power Spectral Density	Factor	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Pass/ Fail
1	2412	-9.33	3.01	-6.32	8	Pass
6	2437	-10.04	3.01	-7.03	8	Pass
1	2462	-10.84	3.01	-7.83	8	Pass

Note: 1. Total Power Spectral Density = Ant1 Power Spectral Density + Factor

2. Factor=10log2=3.01

3. J1501 and J1503 were tested and J1501 was the worst case

EUT	VR Headset	Model	CVR-255-64
Mode	802.11g 6Mbps	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power Spectral Density	Factor	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Pass/ Fail
1	2412	-8.18	3.01	-5.17	8	Pass
6	2437	-8.51	3.01	-5.50	8	Pass
1	2462	-8.43	3.01	-5.42	8	Pass

Note: 1. Total Power Spectral Density = Ant1 Power Spectral Density + Factor

2. Factor=10log2=3.01

3. J1501 and J1503 were tested and J1501 was the worst case

EUT	VR Headset	Model	CVR-255-64
Mode	802.11n HT20 mcs0	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power Spectral Density	Factor	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Pass/ Fail
1	2412	-8.34	3.01	-5.33	8	Pass
6	2437	-8.46	3.01	-5.45	8	Pass
1	2462	-9.05	3.01	-6.04	8	Pass

Note: 1. Total Power Spectral Density = Ant1 Power Spectral Density + Factor

2. Factor=10log2=3.01

3. J1501 and J1503 were tested and J1501 was the worst case

EUT	VR Headset	Model	CVR-255-64
Mode	802.11n HT40 mcs0	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH

Channel	Frequency (MHz)	J1501 Power Spectral Density	Factor	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Pass/ Fail
3	2422	-8.75	3.01	-5.74	8	Pass
6	2437	-9.14	3.01	-6.13	8	Pass
9	2452	-8.88	3.01	-5.87	8	Pass

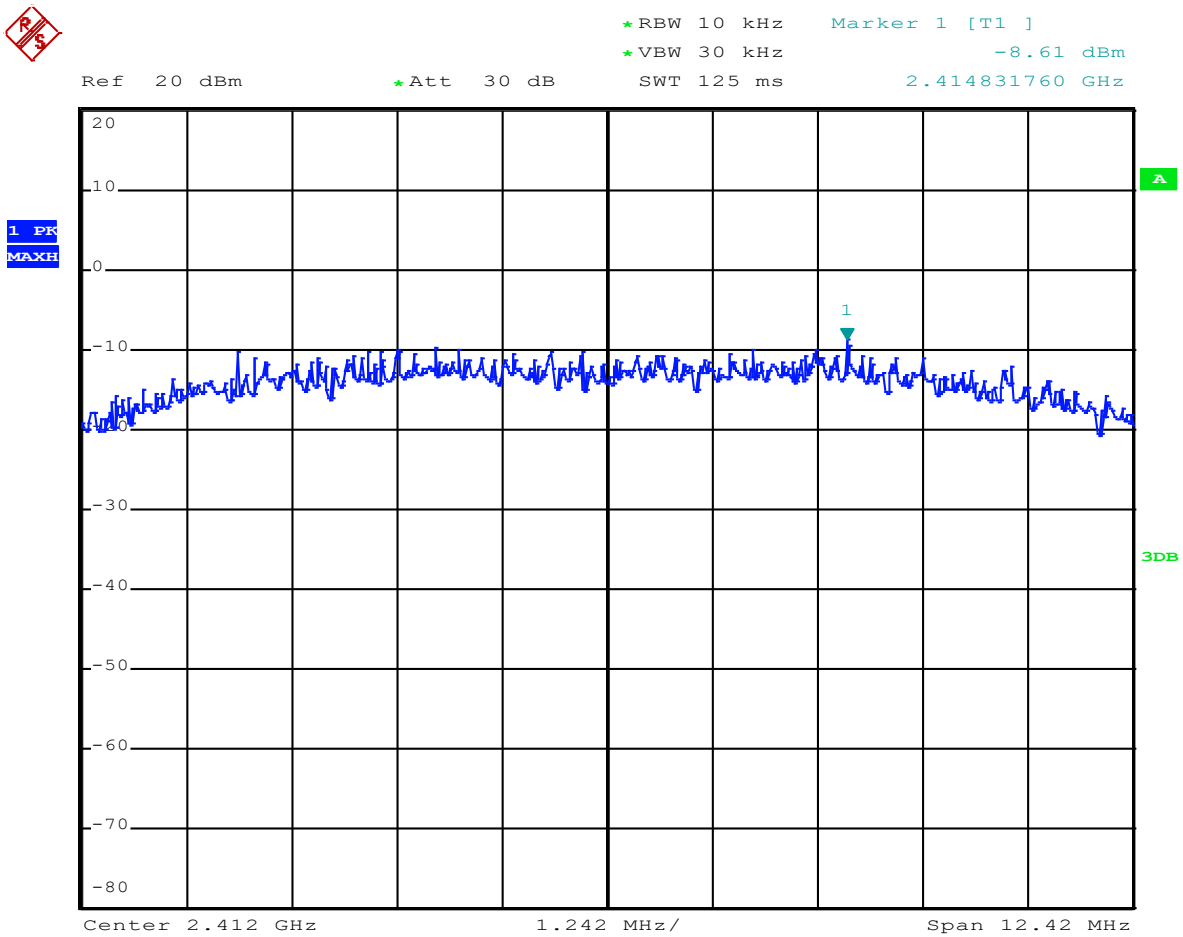
Note: 1. Total Power Spectral Density = Ant1 Power Spectral Density + Factor

2. Factor=10log2=3.01

3. J1501 and J1503 were tested and J1501 was the worst case

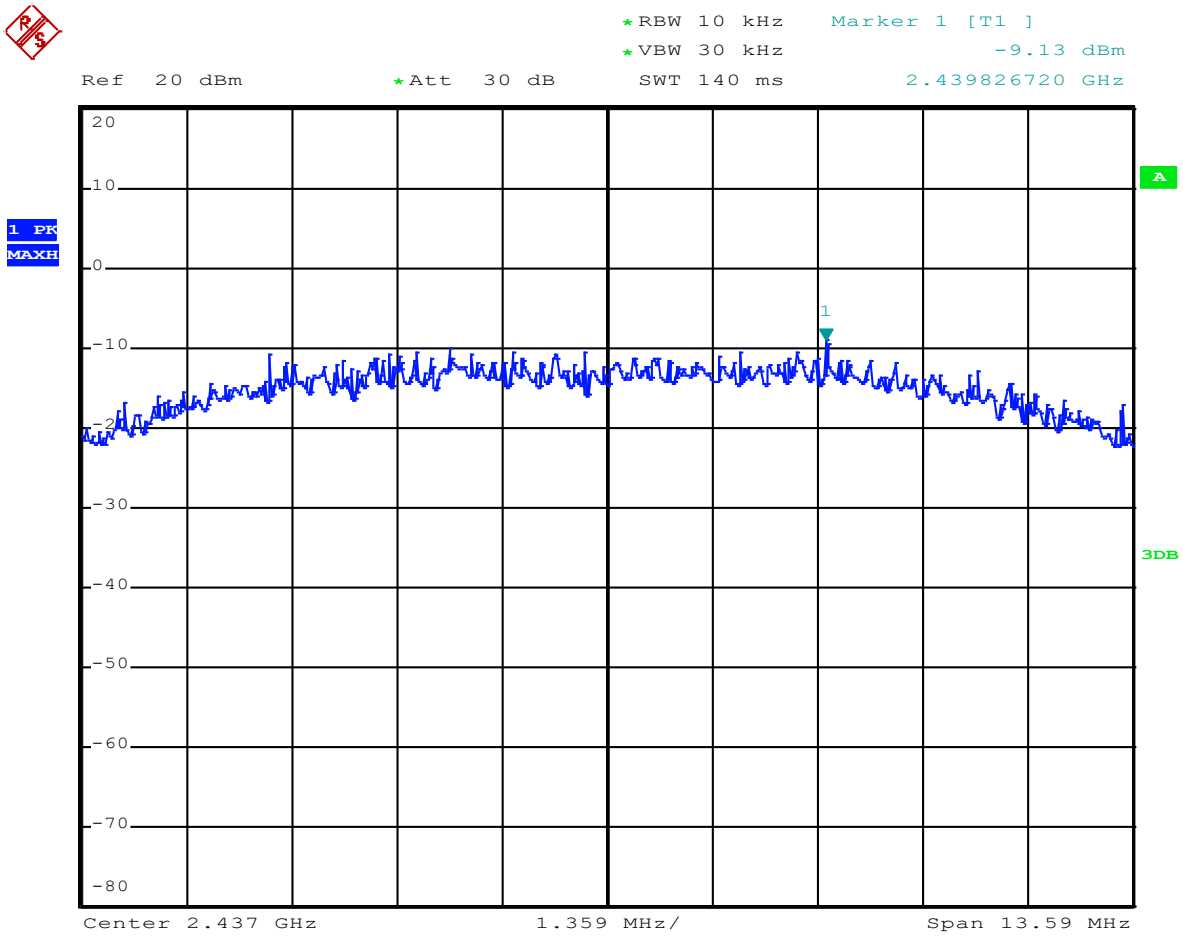
9.5 Photo of Power Spectral Density Measurement

1.802.11b at 11Mbps of CH01

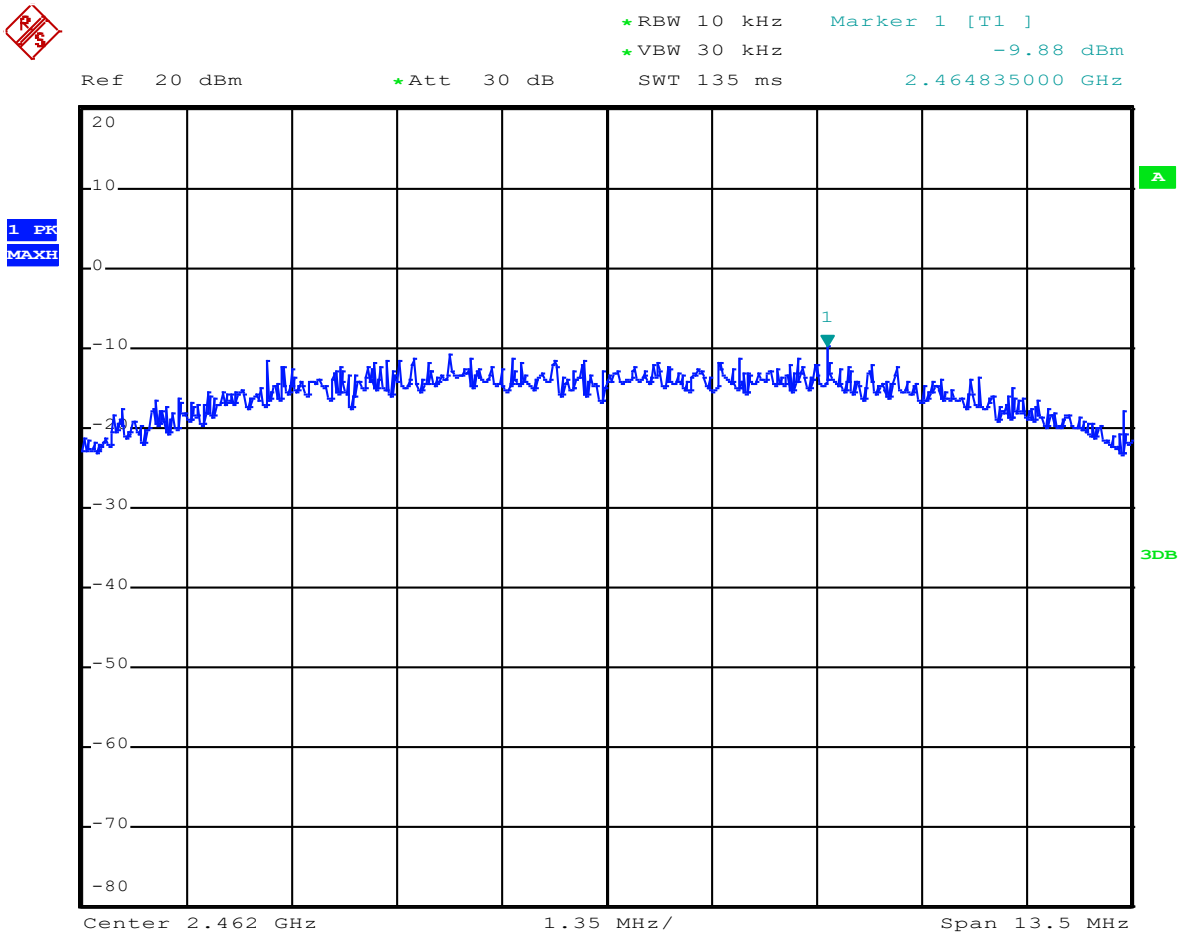


Date: 13.MAY.2025 11:27:42

2. 802.11b at 11Mbps at CH06

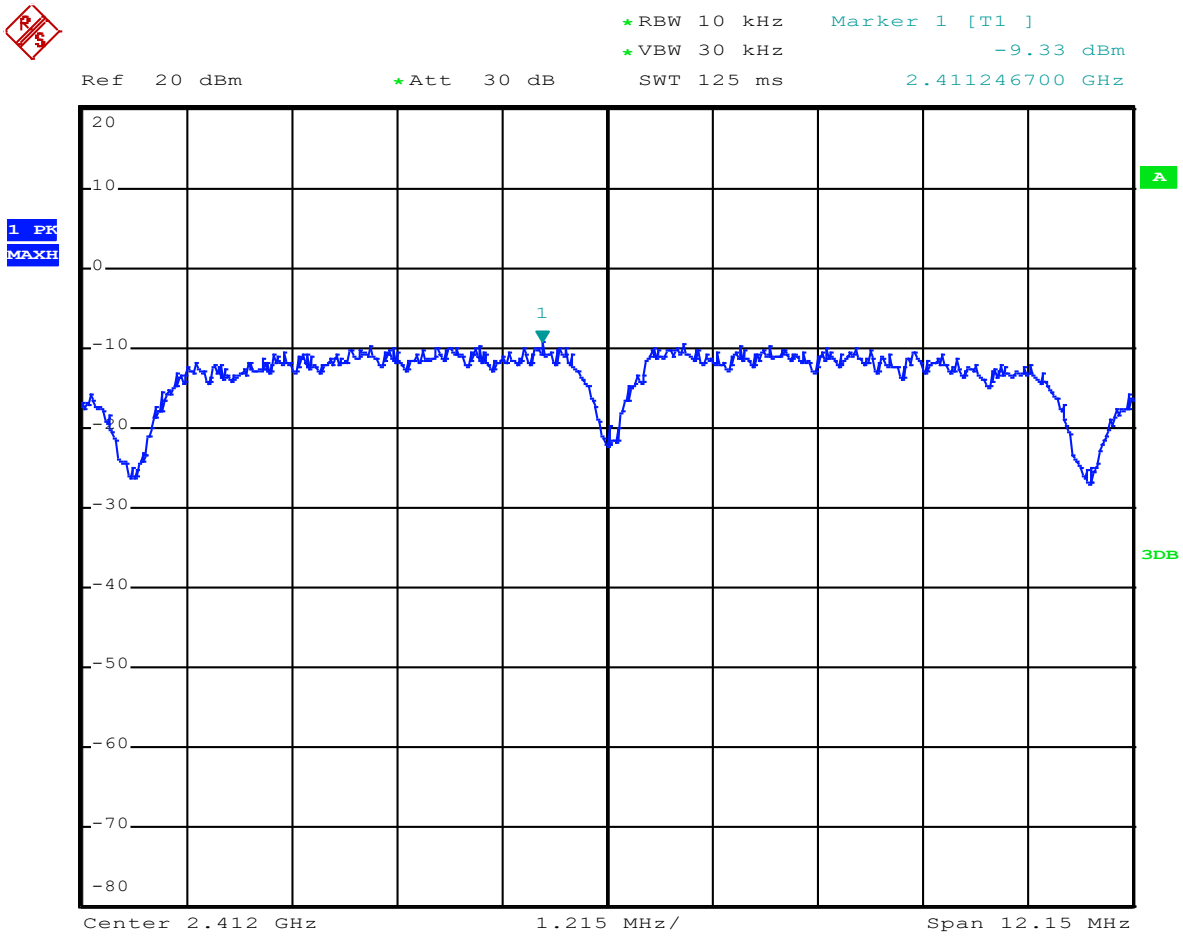


3. 802.11b at 11Mbps of CH11



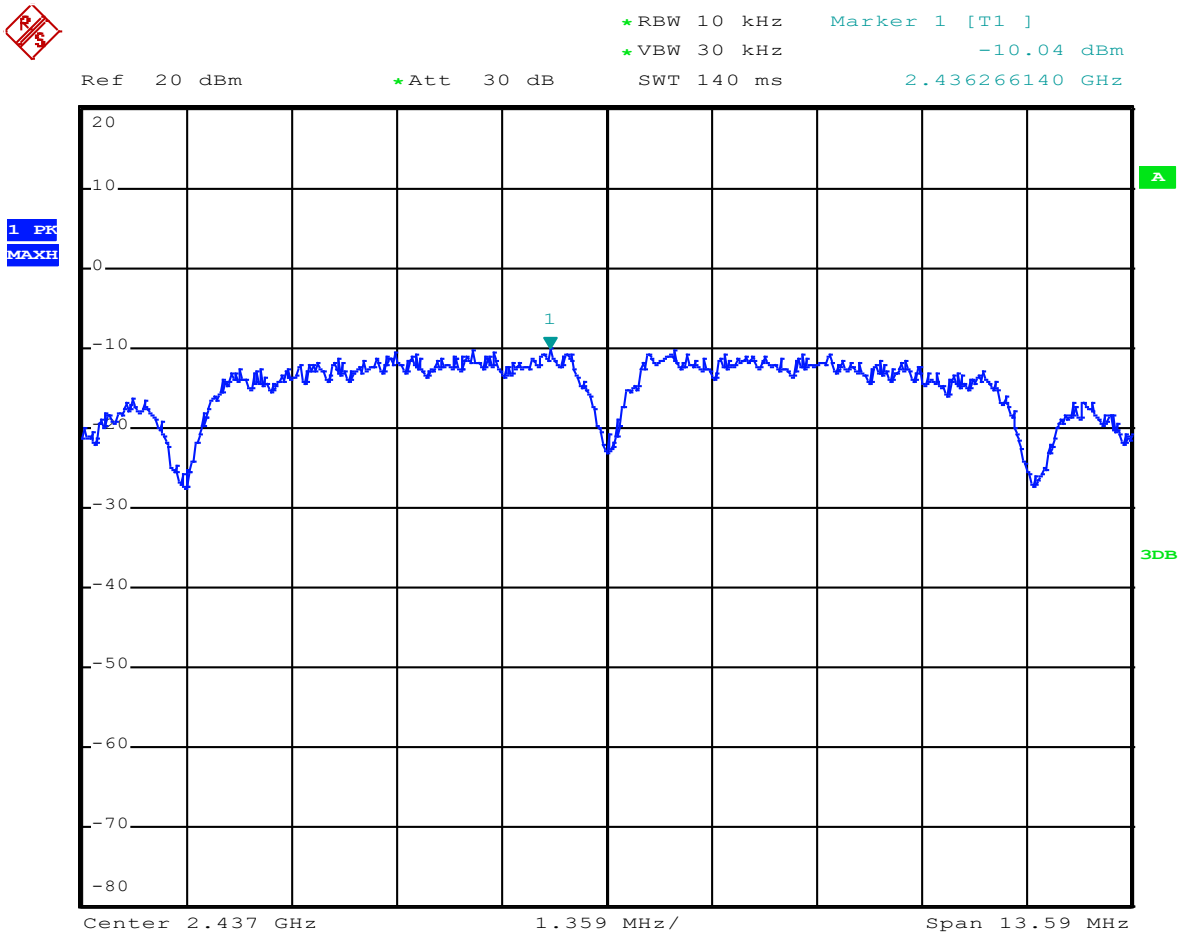
Date: 13.MAY.2025 11:24:19

4. 802.11b at 1Mbps of CH1



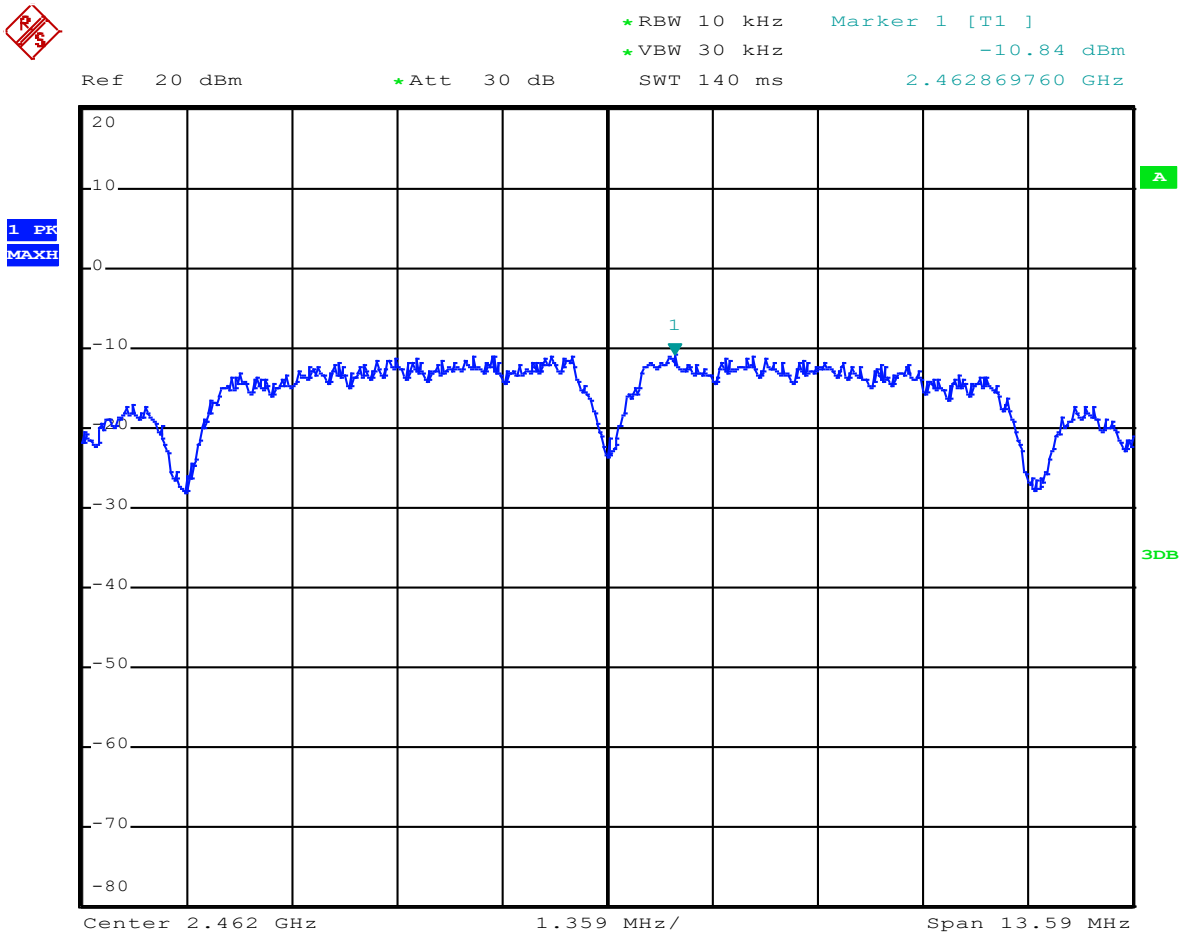
Date: 13.MAY.2025 11:18:54

5. 802.11b at 1Mbps of CH6

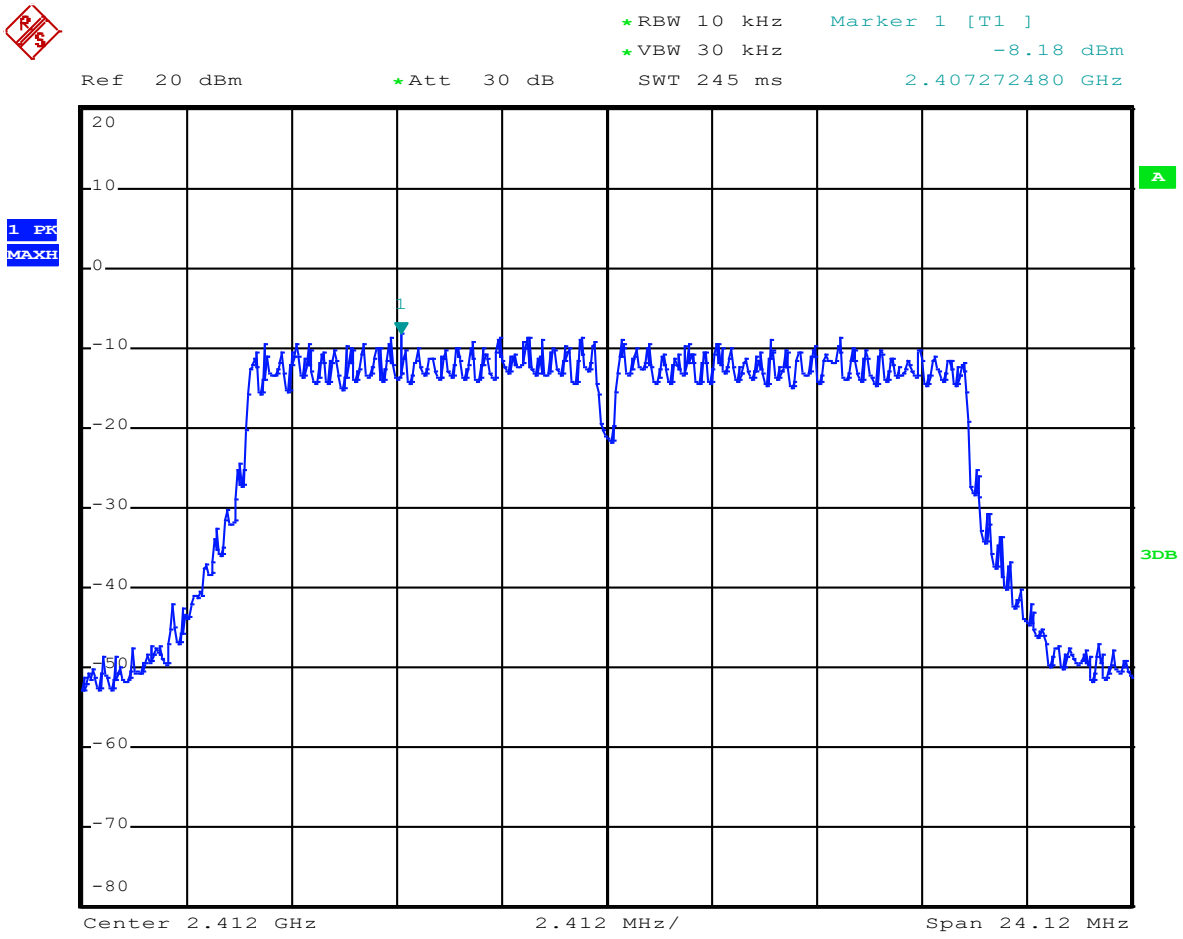


Date: 13.MAY.2025 11:21:18

6. 802.11b at 1Mbps of CH11

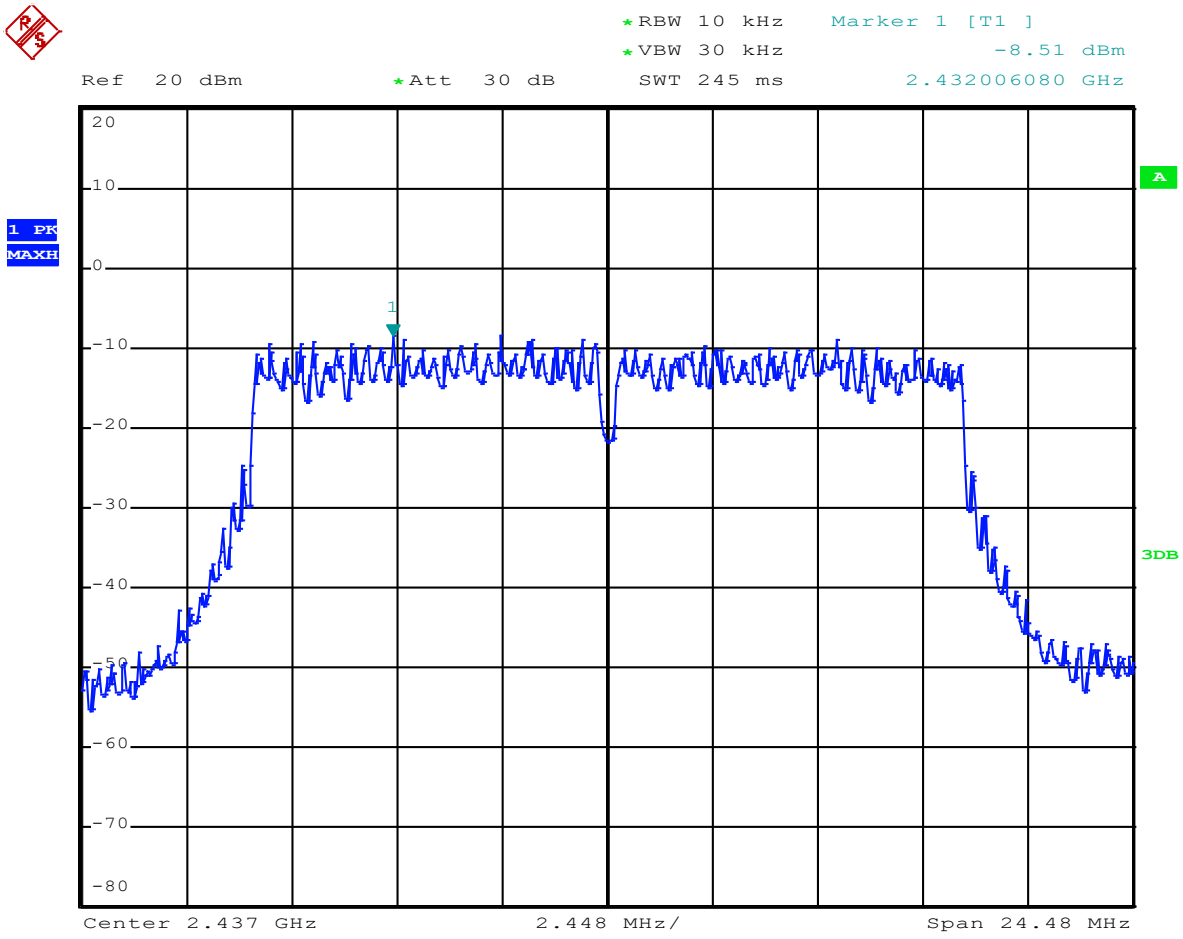


7. 802.11g at 6Mbps of CH1



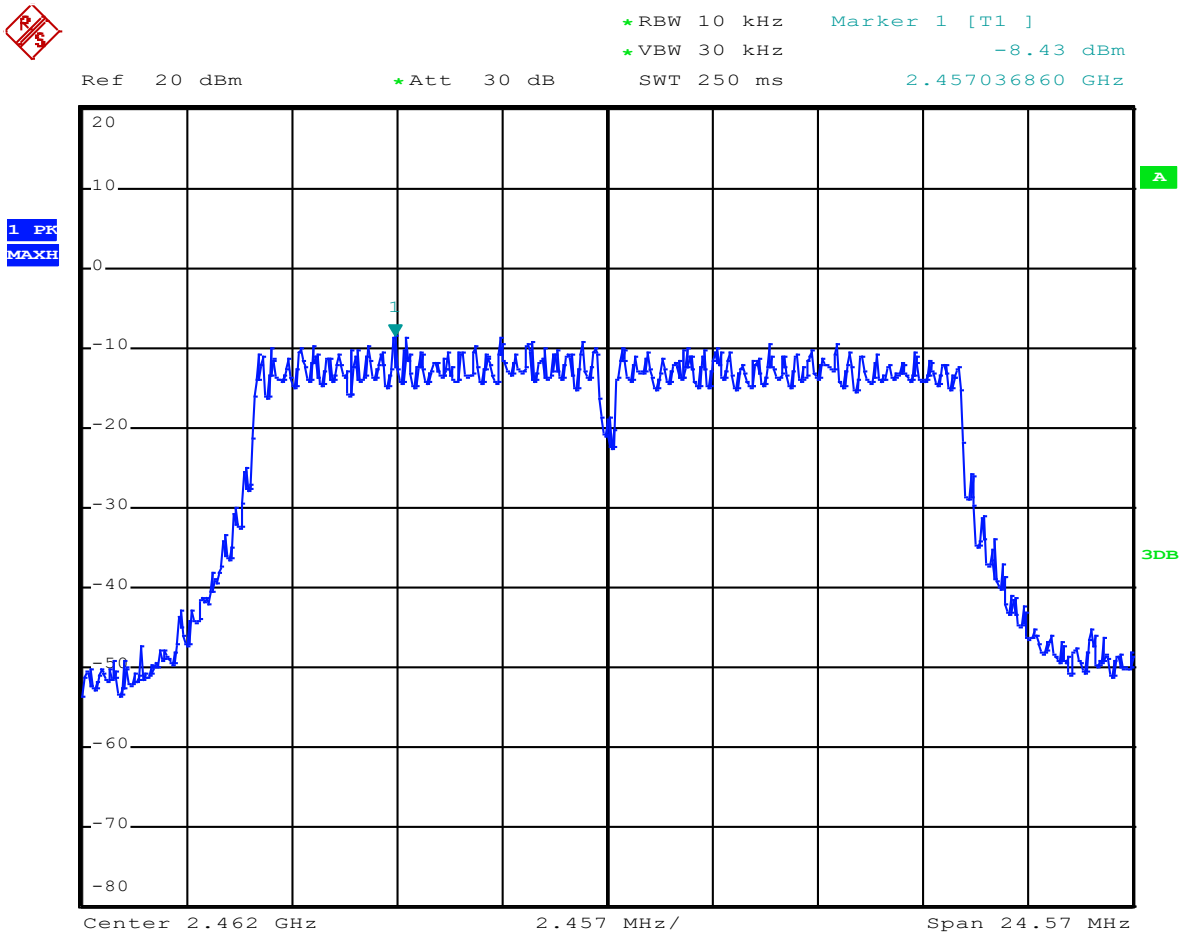
Date: 13.MAY.2025 12:05:12

8. 802.11g at 6Mbps of CH6



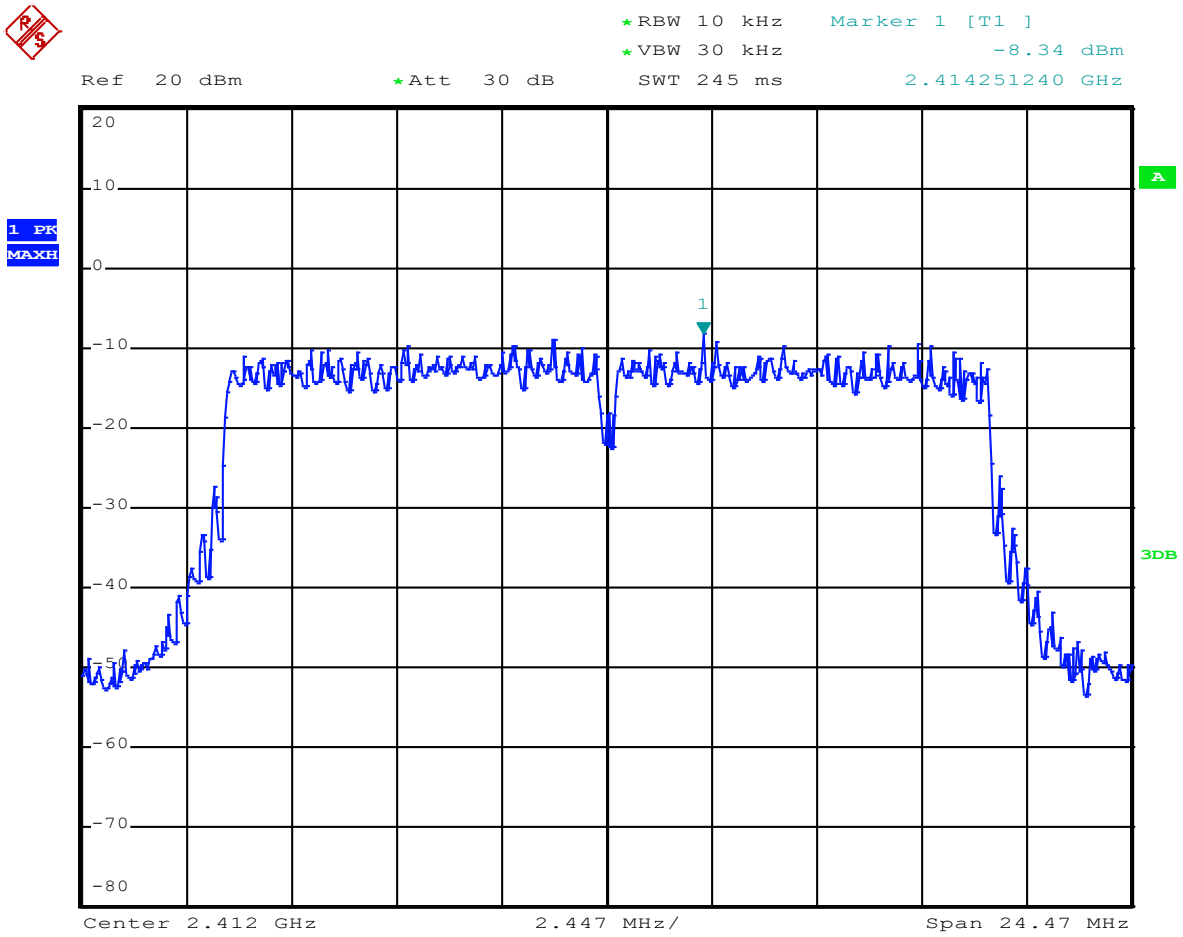
Date: 13.MAY.2025 12:04:04

9. 802.11g at 6Mbps of CH11



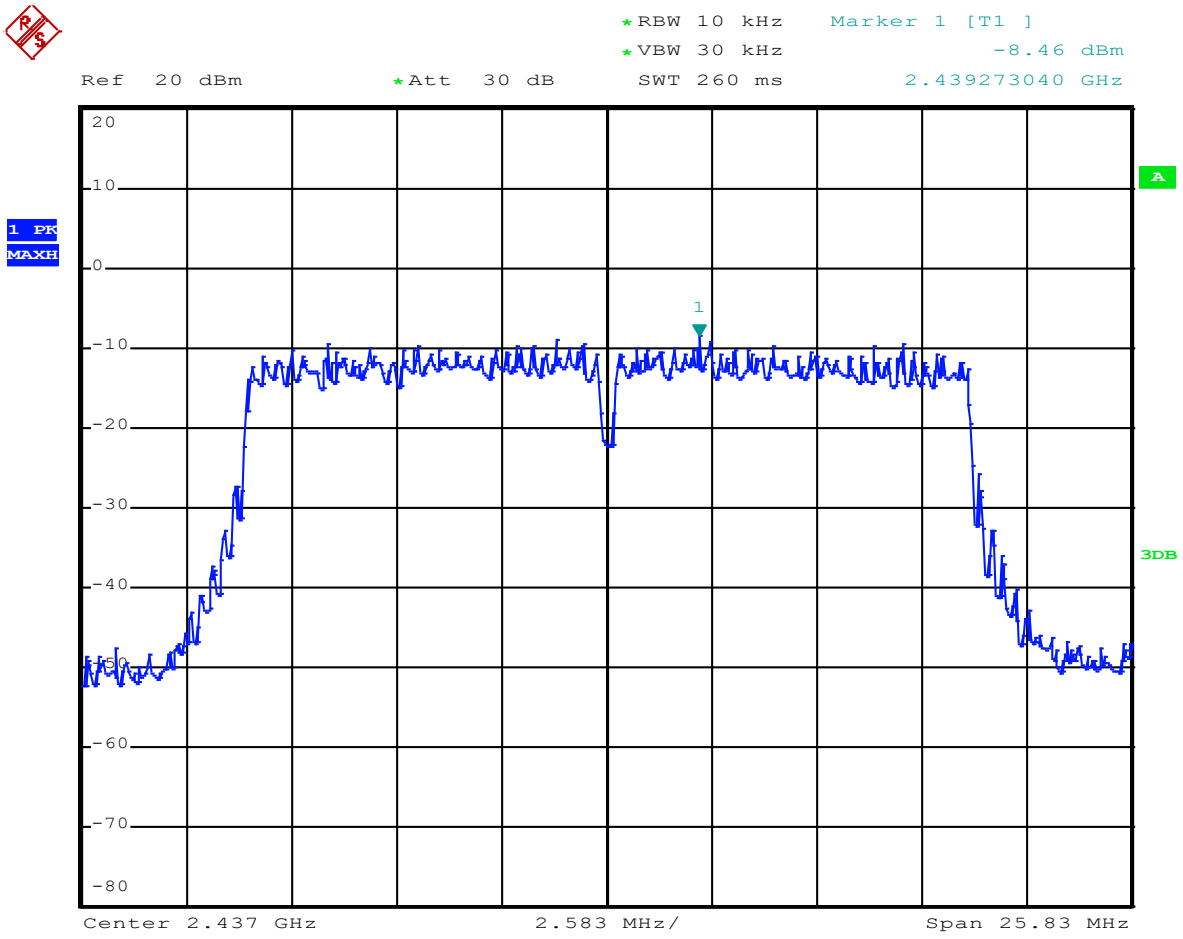
Date: 13.MAY.2025 12:03:13

10. 802.11n at HT20 of CH01



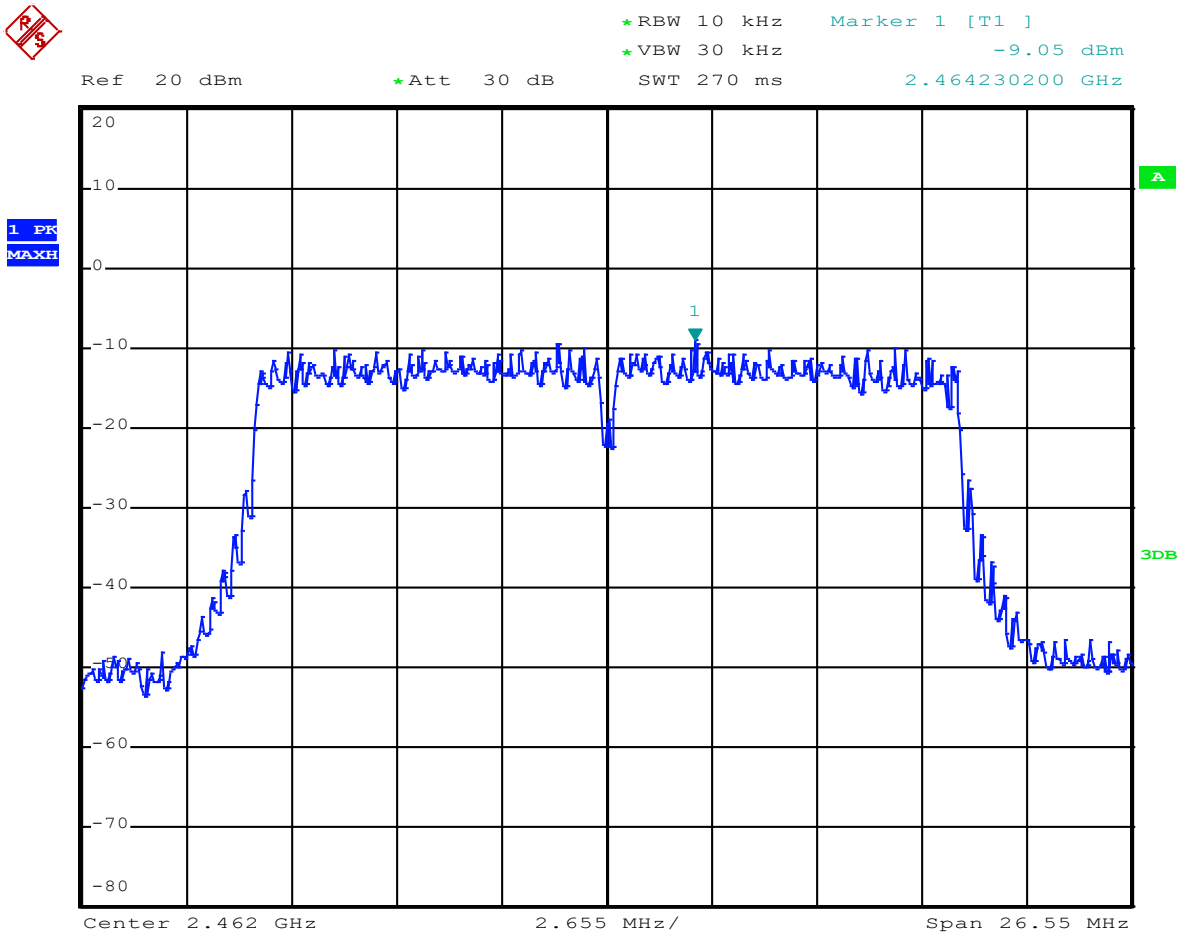
Date: 13.MAY.2025 11:53:38

11. 802.11n at HT20 of CH06



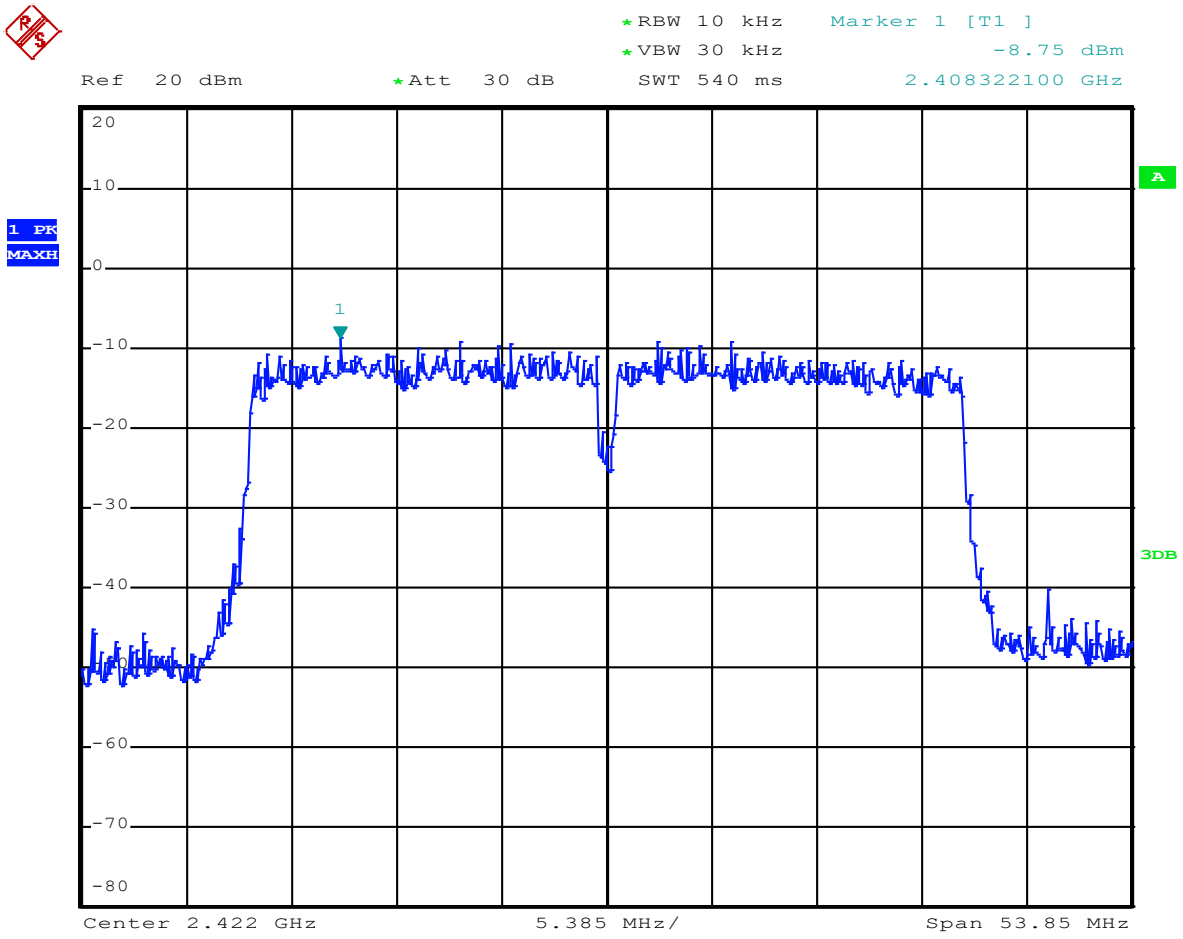
Date: 13.MAY.2025 11:54:53

12. 802.11n at HT20 of CH11



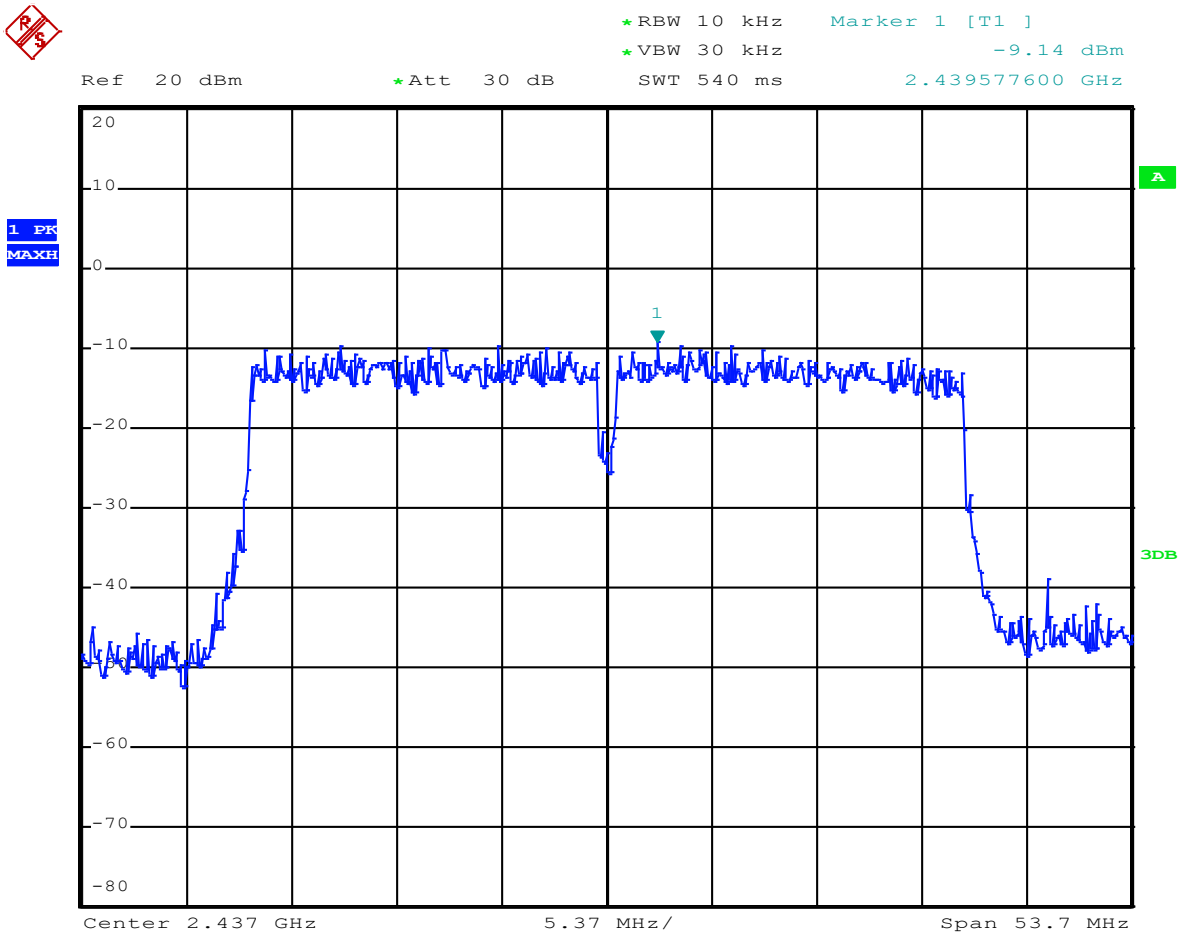
Date: 13.MAY.2025 11:56:07

13. 802.11n at HT40 of CH01



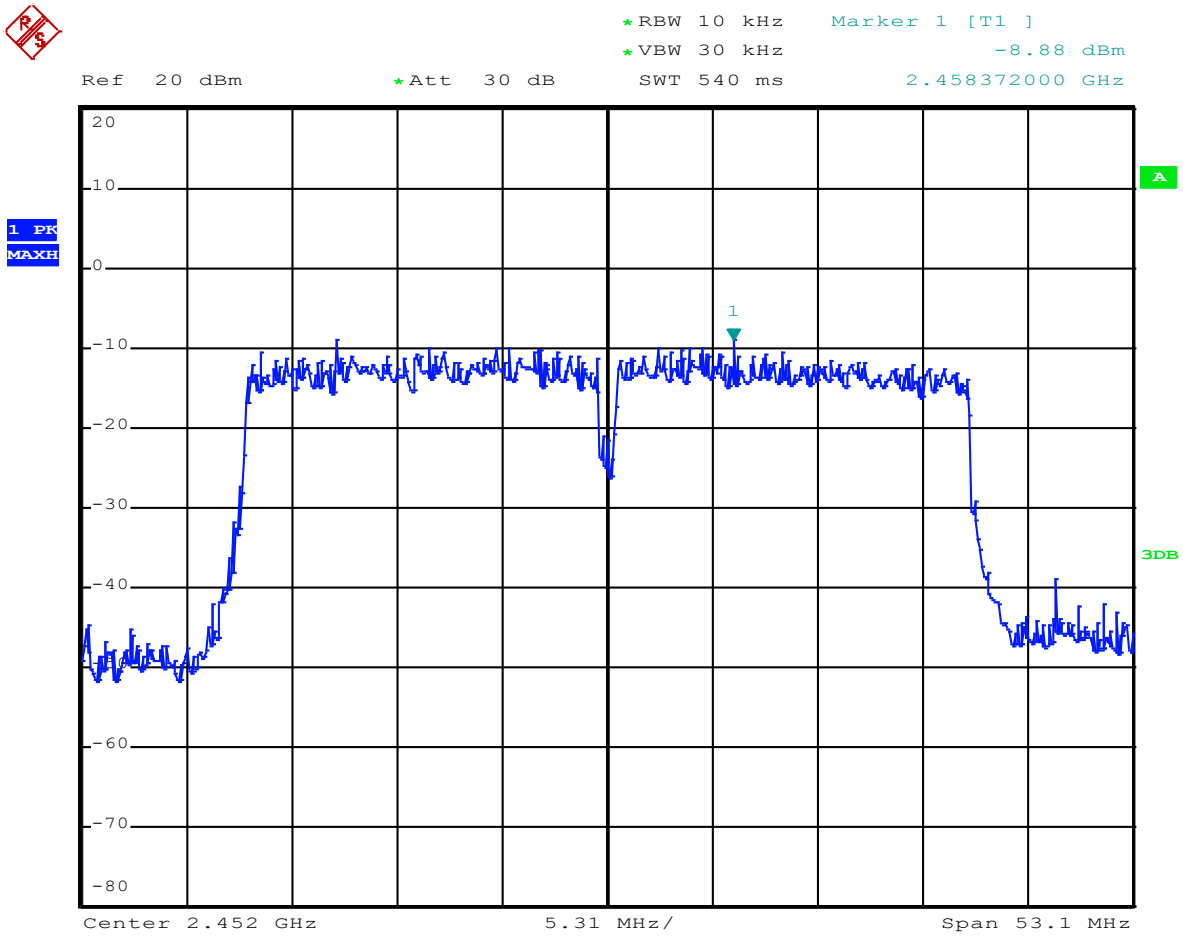
Date: 13.MAY.2025 11:48:47

14. 802.11n at HT40 of CH04



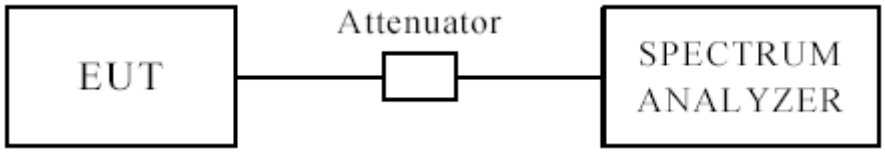
Date: 13.MAY.2025 11:47:52

15. 802.11n at HT40 of CH07



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 –20dB 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.
2.J1501 and J1503 transmitting Simultaneously for RSE test
3. J1501 and J1503 were tested and J1501 was the worst case for conducted measurement

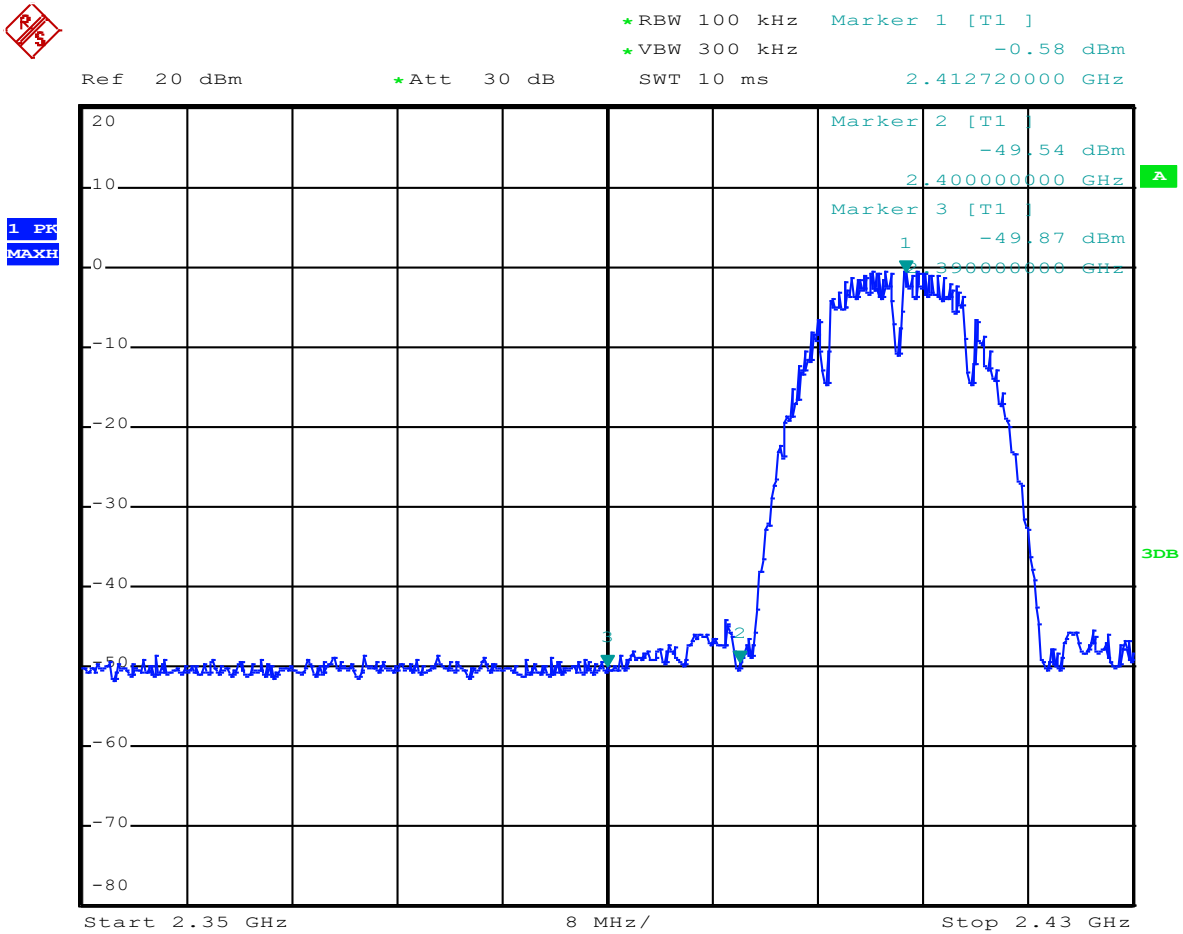
For 802.11b mode

CH01 at 1Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



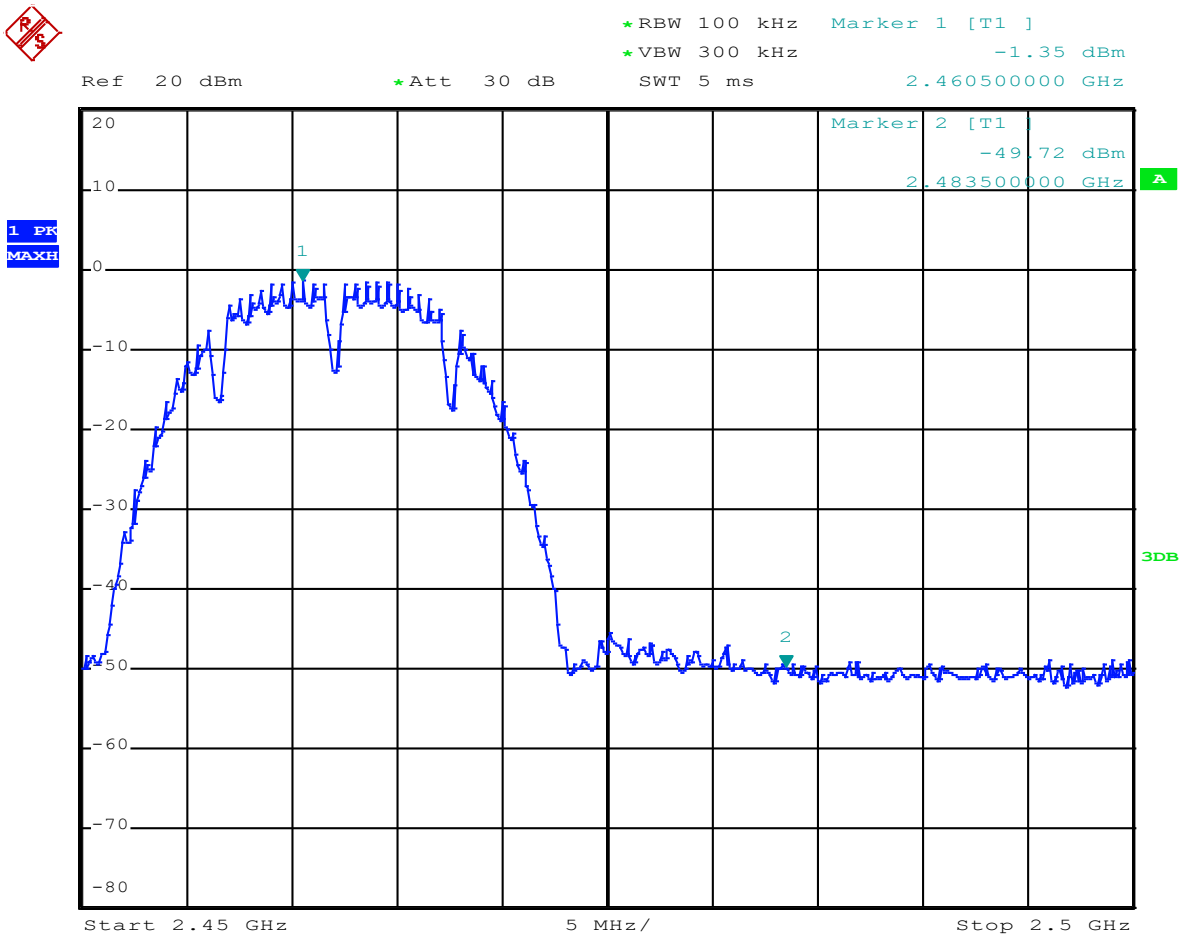
Date: 13.MAY.2025 12:07:19

CH11 at 1Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 13.MAY.2025 12:09:03

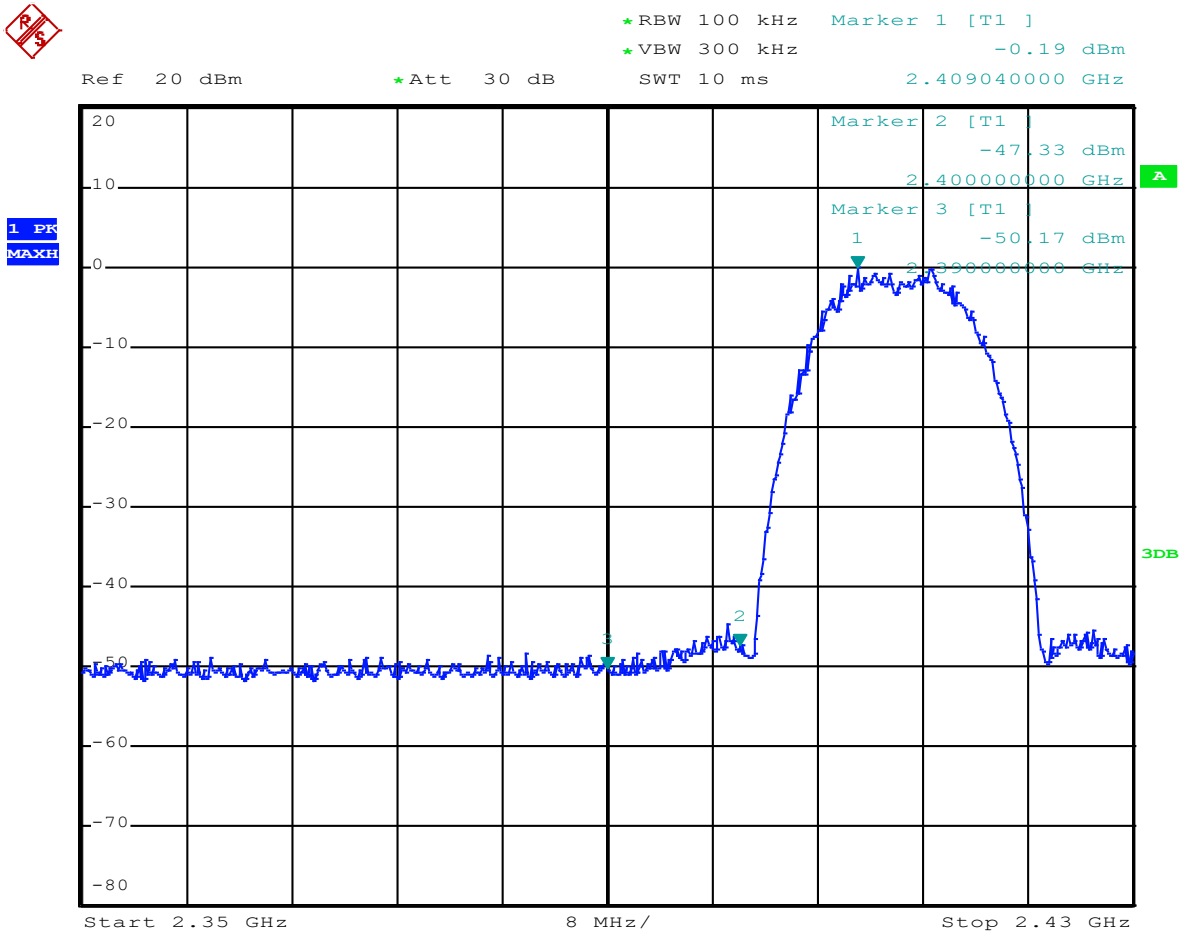
For 802.11b mode

CH01 at 11Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



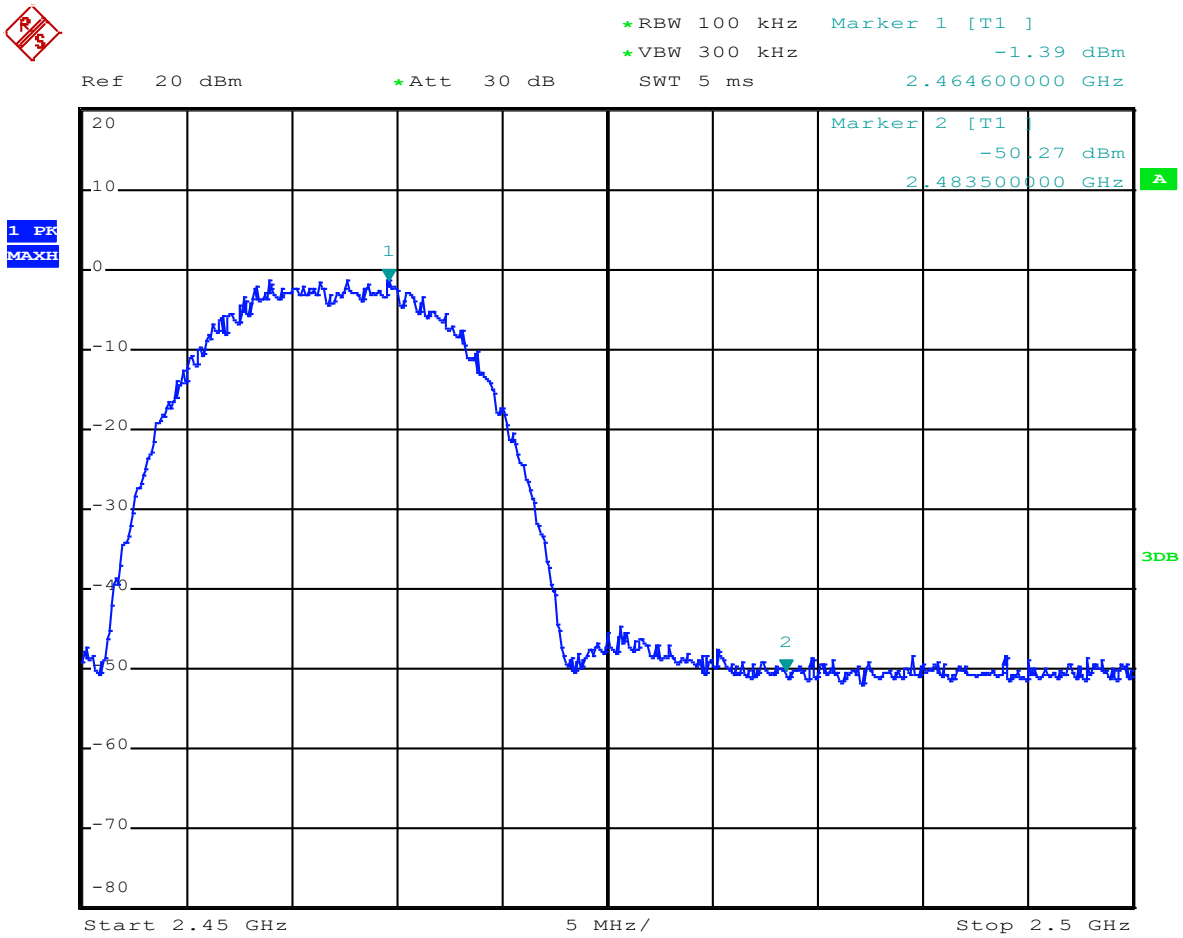
Date: 13.MAY.2025 12:07:47

CH11 at 11Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 13.MAY.2025 12:08:34

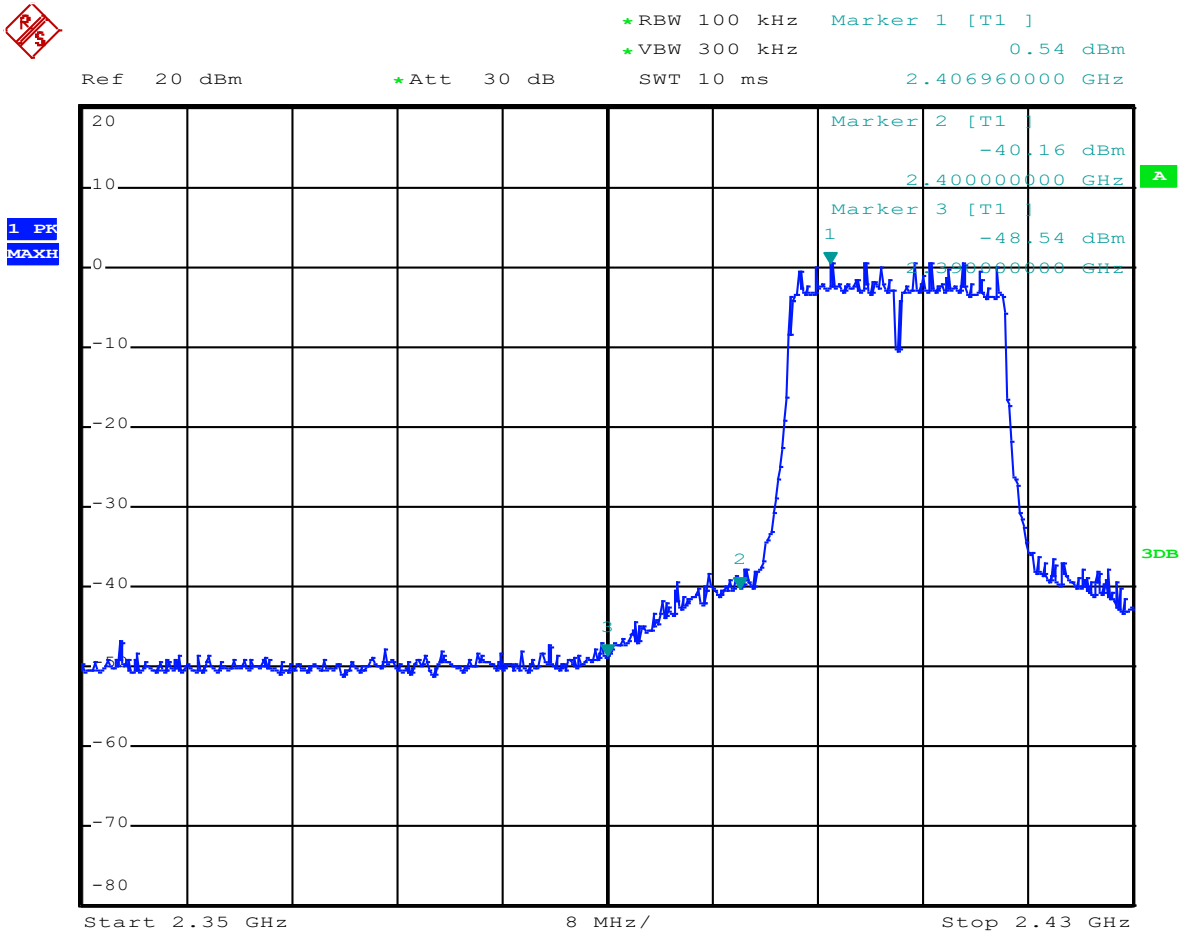
For 802.11g mode

CH01 at 6Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



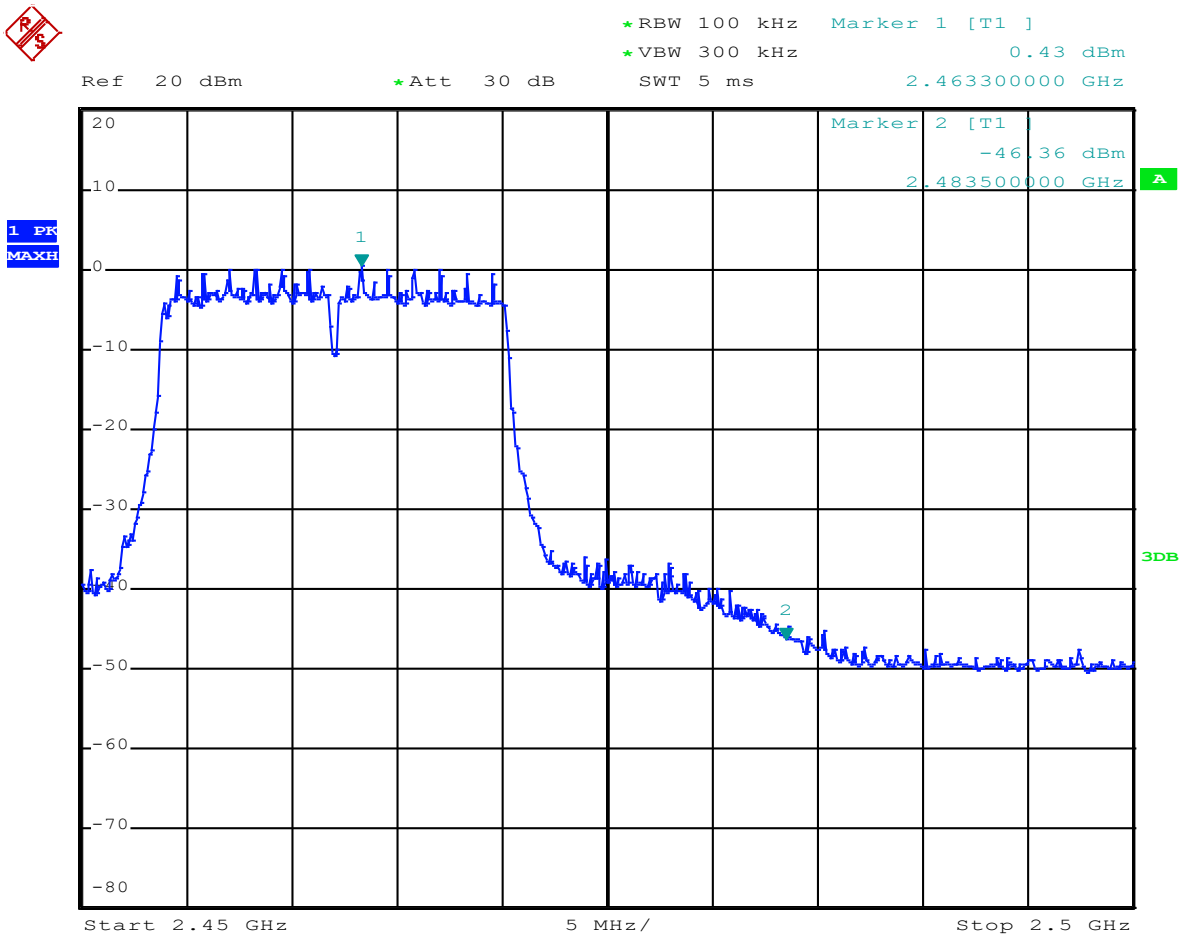
Date: 13.MAY.2025 12:06:20

CH11 at 6Mbps

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 13.MAY.2025 11:58:32

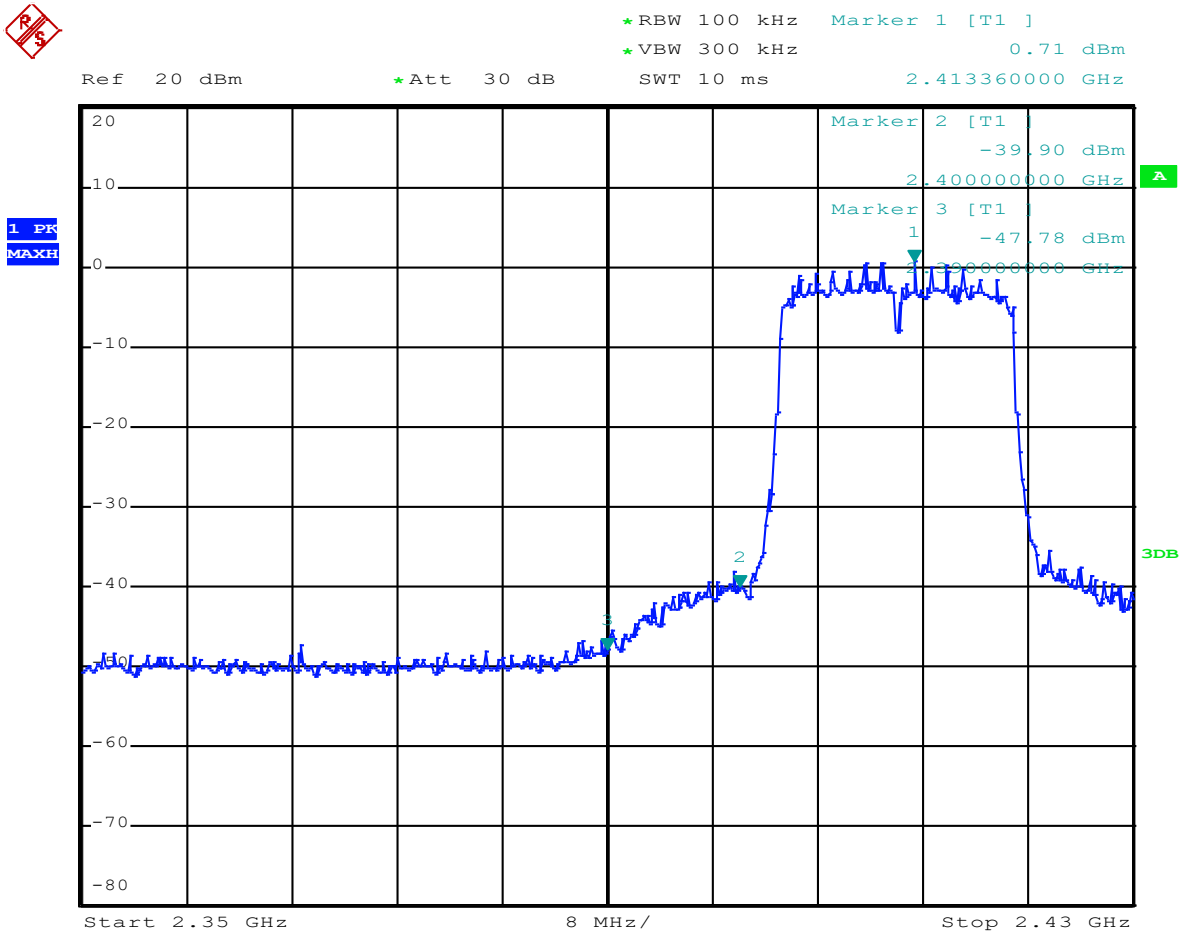
For 802.11n (HT20) mode

CH01 at mcs0

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



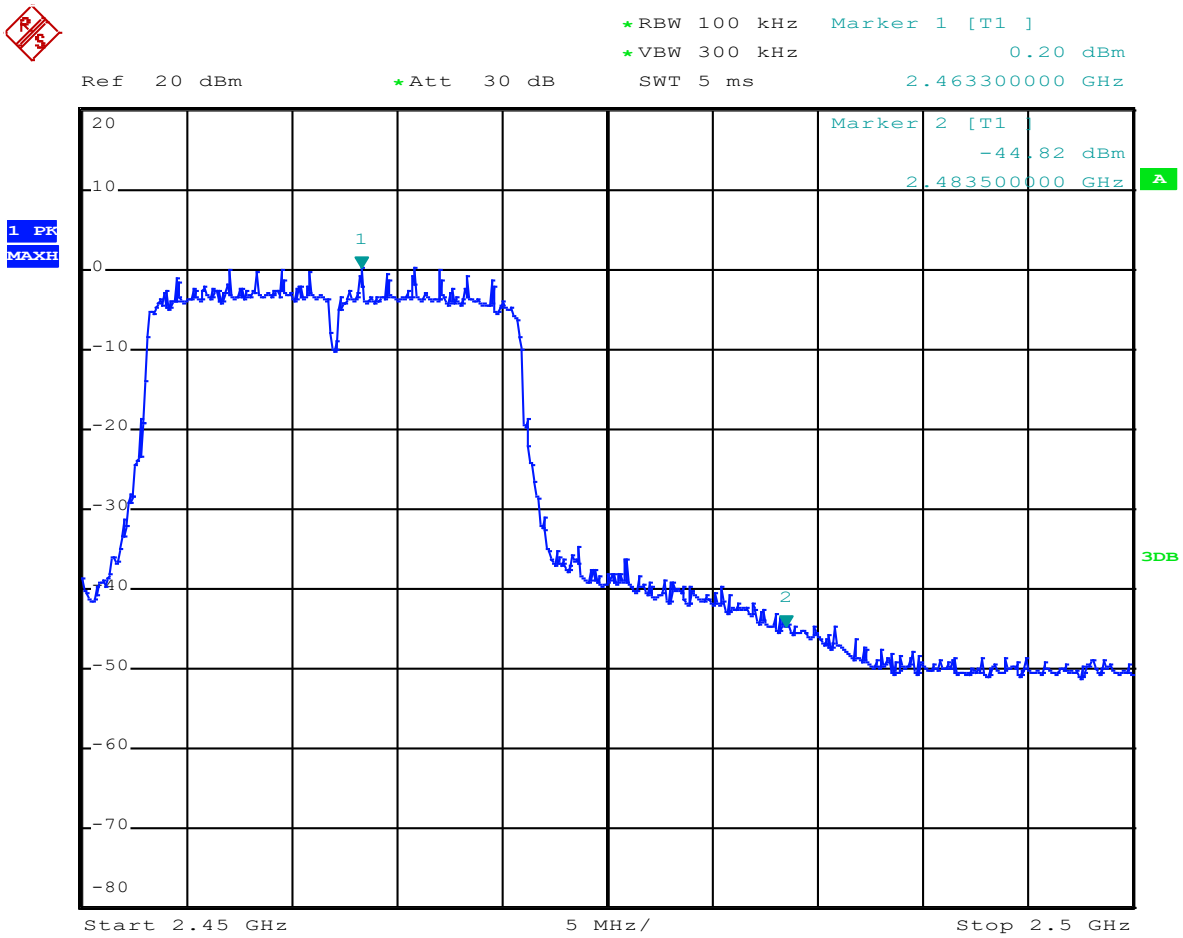
Date: 13.MAY.2025 11:52:08

CH11 at mcs0

10.4 Band-edge Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 13.MAY.2025 11:56:51

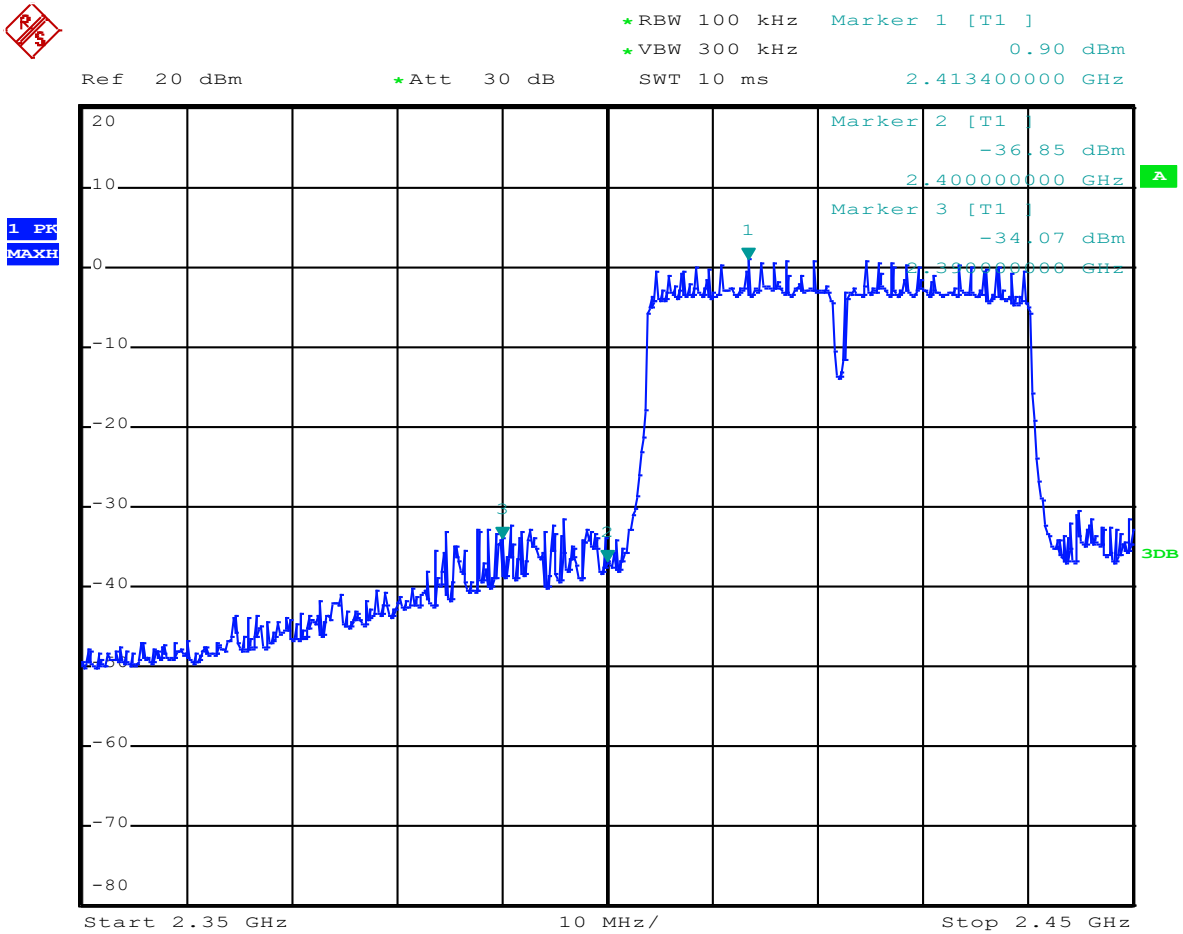
For 802.11n (HT40) mode

CH03 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



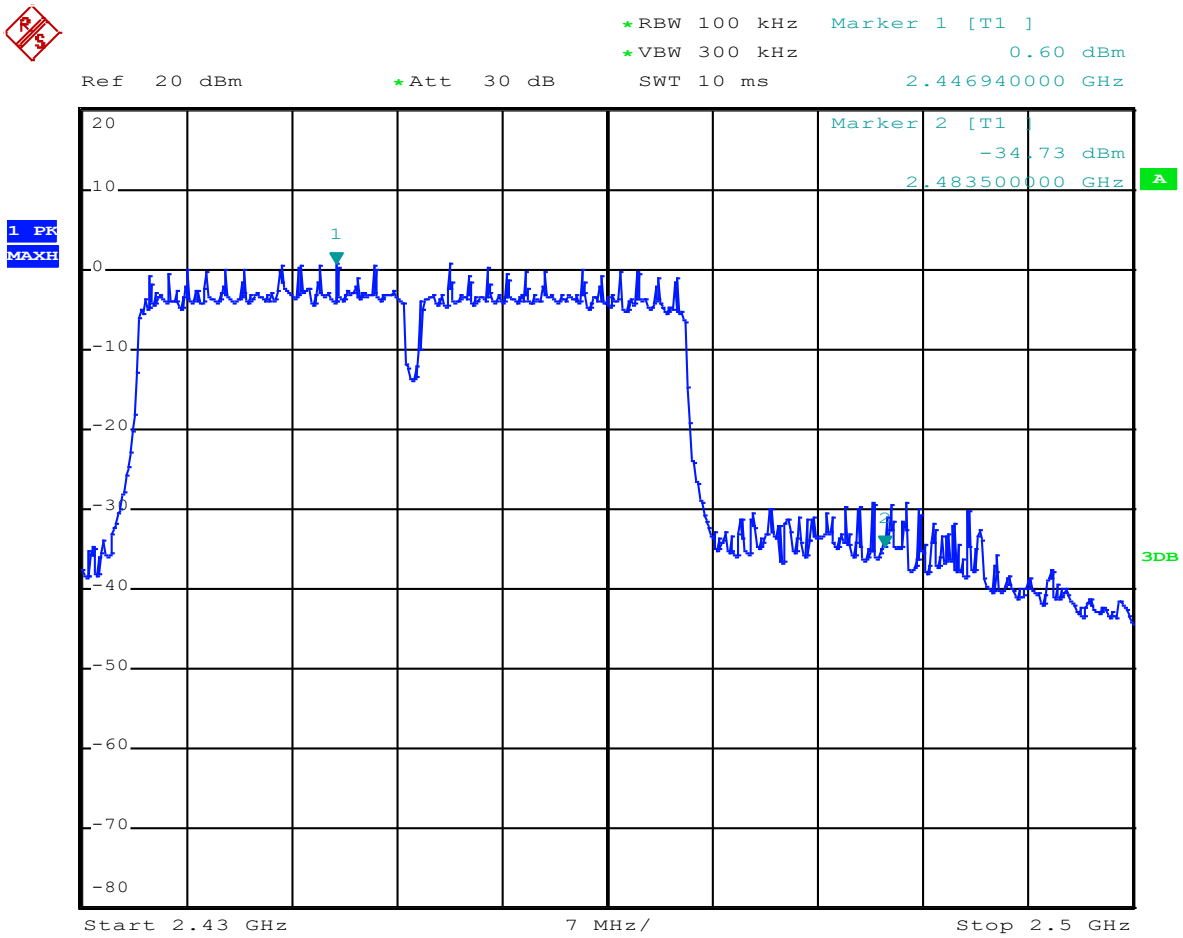
Date: 13.MAY.2025 11:49:48

CH09 at msc0

10.4 Band-edge and Restricted band Measurement

EUT	VR Headset	Model	CVR-255-64
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 13.MAY.2025 11:45:46

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11b mode, Low Channel, Horizontal				
2390	PK (dBμV/m)	56.12	Limit	74(dBμV/m)
	AV (dBμV/m)	41.63		54(dBμV/m)
802.11b mode, Vertical				
2390	PK (dBμV/m)	43.51	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11b mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	55.81	Limit	74(dBμV/m)
	AV (dBμV/m)	39.65		54(dBμV/m)
802.11b mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	42.73	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11g mode, Low Channel, Horizontal				
2390	PK (dBμV/m)	59.39	Limit	74(dBμV/m)
	AV (dBμV/m)	44.09		54(dBμV/m)
802.11g mode, Vertical				
2390	PK (dBμV/m)	49.18	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11g mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	60.32	Limit	74(dBμV/m)
	AV (dBμV/m)	46.52		54(dBμV/m)
802.11g mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	52.78	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

10.5 Restricted band Measurement

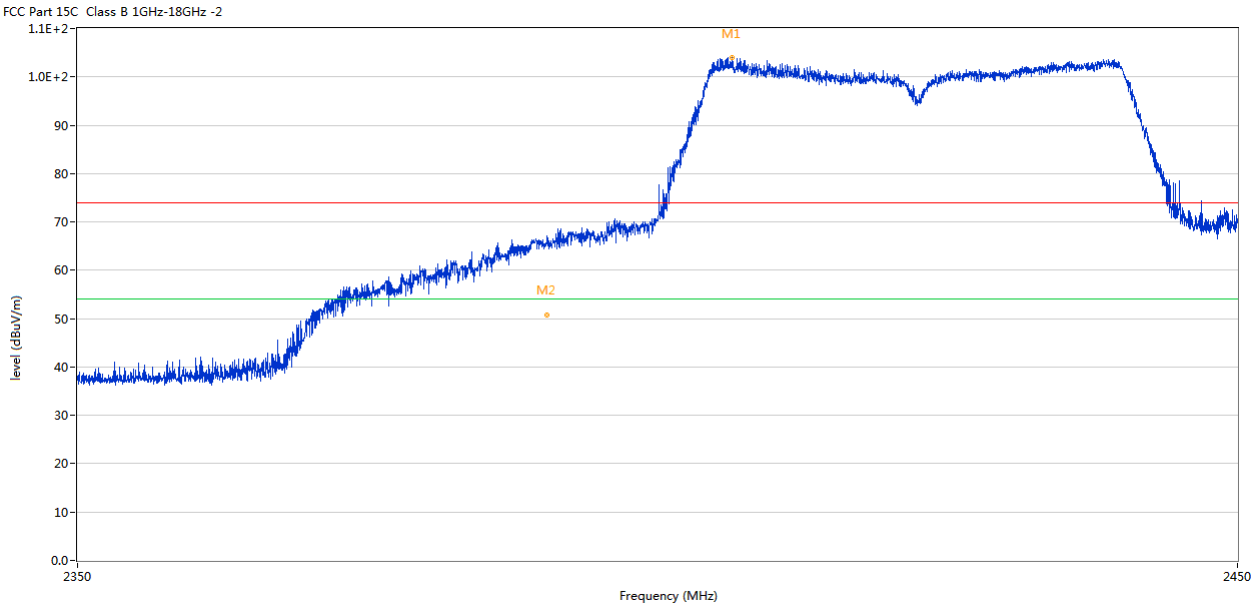
EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n HT20 mode, Low Channel, Horizontal				
2390	PK (dBμV/m)	61.27	Limit	74(dBμV/m)
	AV (dBμV/m)	44.93		54(dBμV/m)
802.11n HT20 mode, Vertical				
2390	PK (dBμV/m)	50.30	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

10.5 Restricted band Measurement

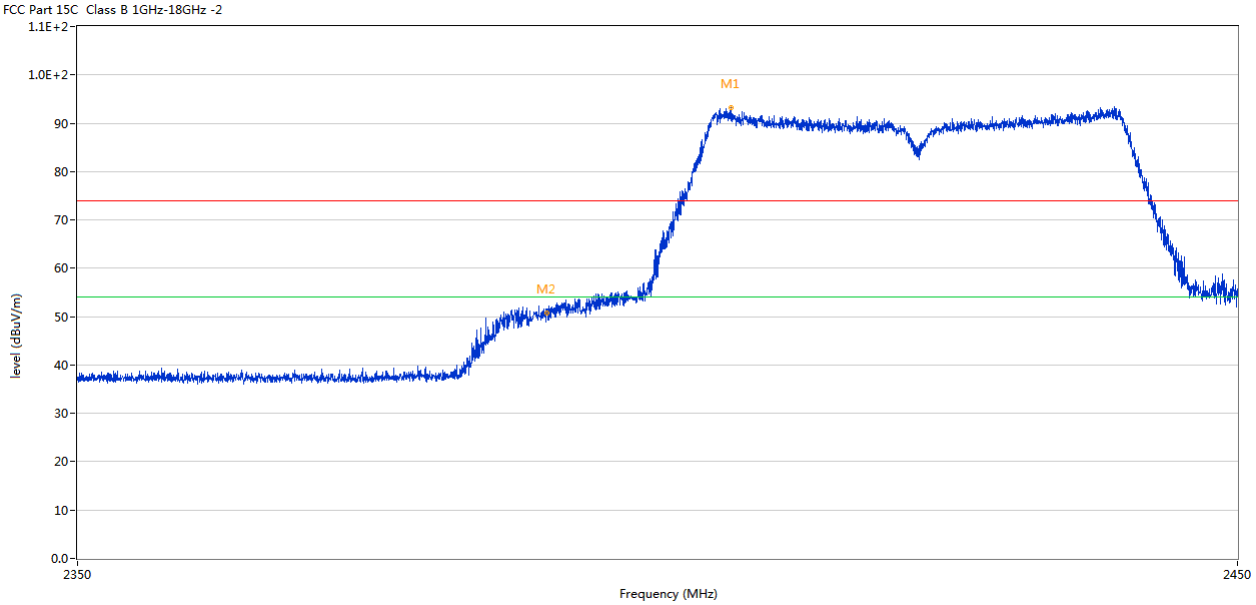
EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n HT20, High Channel, Horizontal				
2483.5	PK (dBμV/m)	61.67	Limit	74(dBμV/m)
	AV (dBμV/m)	47.33		54(dBμV/m)
802.11n HT20, High Channel, Vertical				
2483.5	PK (dBμV/m)	54.56	Limit	74(dBμV/m)
	AV (dBμV/m)	39.70		54(dBμV/m)

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	DC3.8V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n HT40 mode, Low Channel, Horizontal				
2390	PK (dBμV/m)	65.86	Limit	74(dBμV/m)
	AV (dBμV/m)	50.69		54(dBμV/m)
802.11n HT20 mode, Low Channel, Vertical				
2390	PK (dBμV/m)	50.82	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)



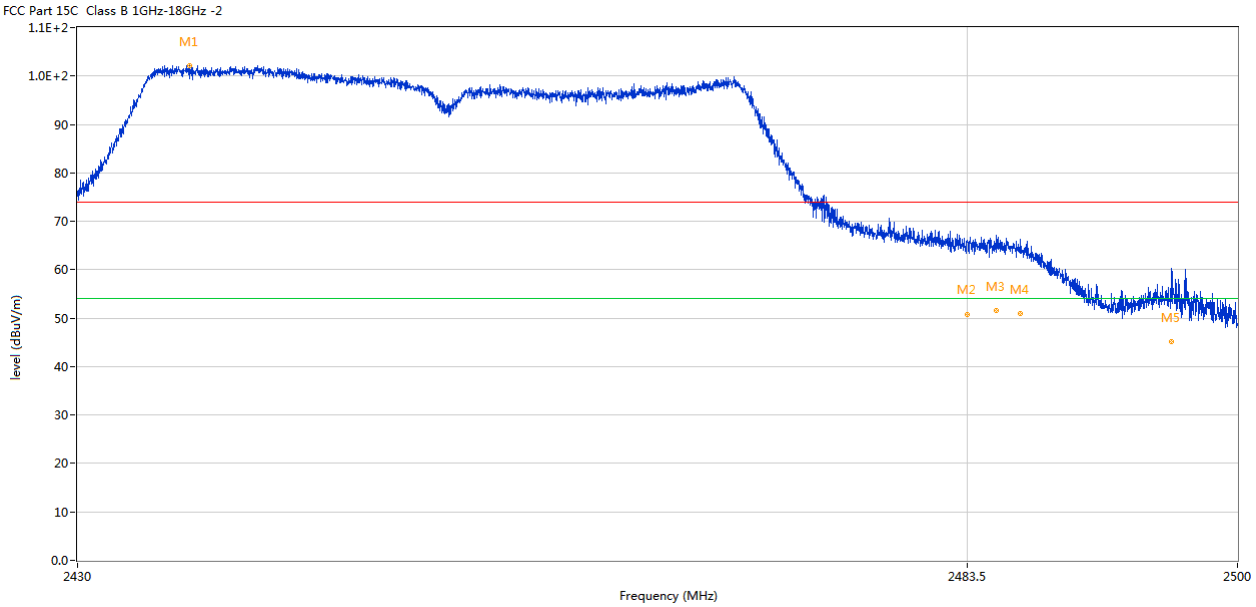
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2405.936	103.96	-3.57	74.0	29.96	Peak	304.00	100	Horizontal	N/A
2	2390.000	65.86	-3.53	74.0	-8.14	Peak	306.00	100	Horizontal	Pass
2**	2390.000	50.69	-3.53	54.0	-3.31	AV	306.00	100	Horizontal	Pass



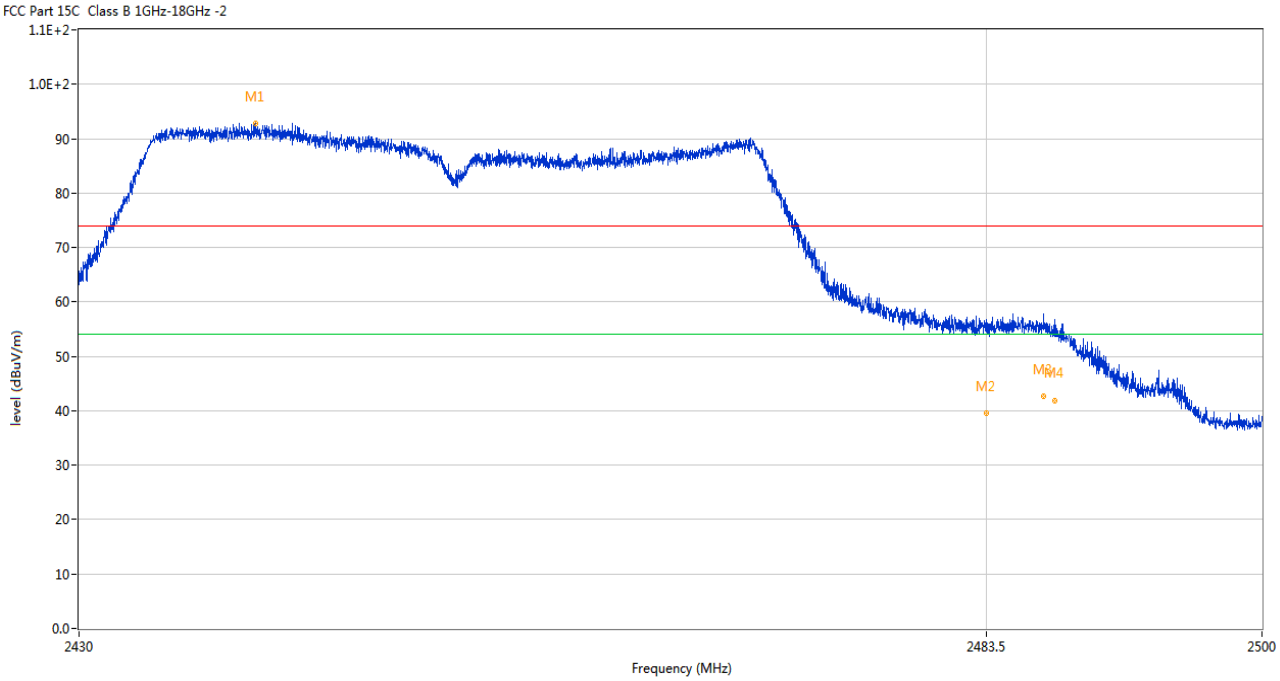
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2405.836	93.17	-3.57	74.0	19.17	Peak	197.00	100	Vertical	N/A
2	2390.000	50.82	-3.53	74.0	-23.18	Peak	191.00	100	Vertical	Pass

10.5 Restricted band Measurement

EUT	VR Headset		Model	CVR-255-64
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n HT40 mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	65.96	Limit	74(dBμV/m)
	AV (dBμV/m)	50.65		54(dBμV/m)
802.11n HT20 mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	54.52	Limit	74(dBμV/m)
	AV (dBμV/m)	39.48		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	2436.666	102.20	-3.57	74.0	28.20	Peak	120.00	100	Horizontal	N/A
2	2483.500	65.96	-3.57	74.0	-8.04	Peak	242.67	100	Horizontal	Pass
2**	2483.500	50.65	-3.57	54.0	-3.35	AV	242.67	100	Horizontal	Pass
3	2485.286	67.18	-3.57	74.0	-6.82	Peak	253.00	100	Horizontal	Pass
3**	2485.286	51.67	-3.57	54.0	-2.33	AV	253.00	100	Horizontal	Pass
4	2486.756	66.35	-3.57	74.0	-7.65	Peak	120.00	100	Horizontal	Pass
4**	2486.756	50.87	-3.57	54.0	-3.13	AV	120.00	100	Horizontal	Pass
5	2495.959	60.22	-3.57	74.0	-13.78	Peak	253.00	100	Horizontal	Pass
5**	2495.959	45.09	-3.57	54.0	-8.91	AV	253.00	100	Horizontal	Pass



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440.340	92.87	-3.57	74.0	18.87	Peak	178.00	100	Vertical	N/A
2	2483.500	54.52	-3.57	74.0	-19.48	Peak	158.22	100	Vertical	Pass
2**	2483.500	39.48	-3.57	54.0	-14.52	AV	158.22	100	Vertical	Pass
3	2486.913	57.81	-3.57	74.0	-16.19	Peak	178.00	100	Vertical	Pass
3**	2486.913	42.71	-3.57	54.0	-11.29	AV	178.00	100	Vertical	Pass
4	2487.596	56.85	-3.57	74.0	-17.15	Peak	178.00	100	Vertical	Pass
4**	2487.596	41.80	-3.57	54.0	-12.20	AV	178.00	100	Vertical	Pass

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 mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

Two FPC antenna used. The gain of the antennas is 1.90dBi for Main Antenna(J1501) and 1.85dBi for the Aux Antenna(J1503) (Get from the antenna specification provided the manufacturer)

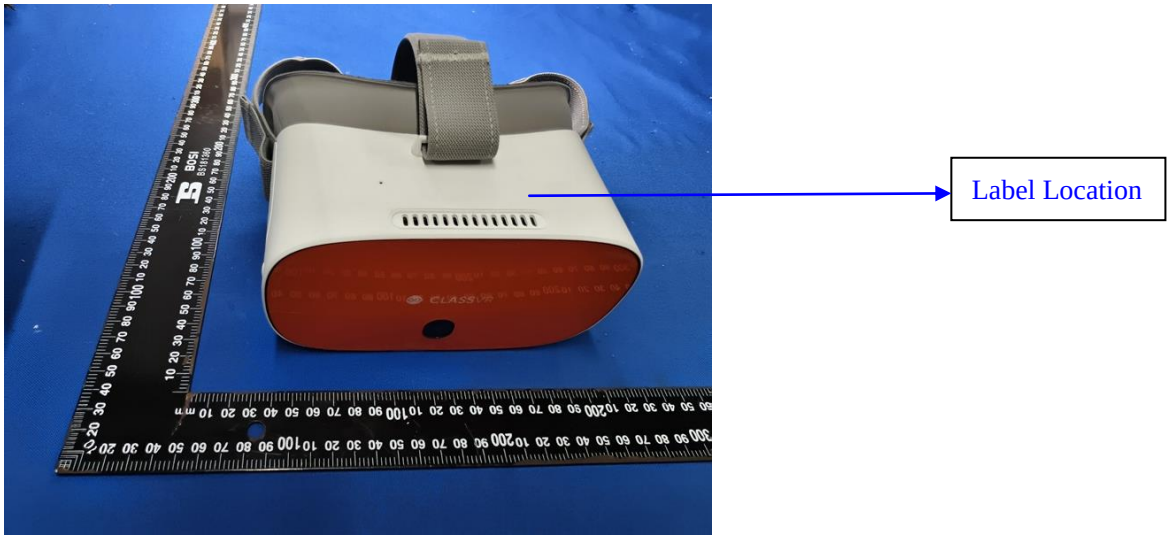
12.0 FCC ID Label

FCC ID: 2BNWDCVR-355-128M

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

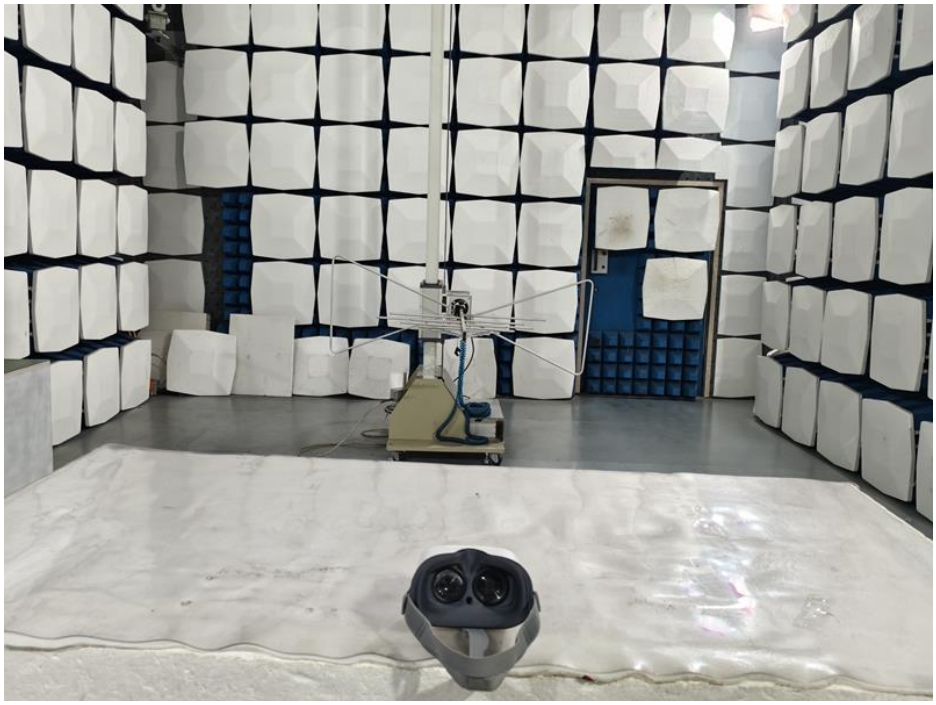
Mark Location:



13.0 Photo of testing

Conducted Emission Test Setup:

Radiated Emission Test Setup:



Photographs – EUT

Please refer test report TW2504014-01E

End of the report