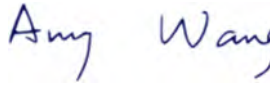


Prüfbericht-Nr.: <i>Test report No.:</i>	CN21557E 001	Auftrags-Nr.: <i>Order No.:</i>	170273663	Seite 1 von 24 <i>Page 1 of 24</i>
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	N/A	Auftragsdatum: <i>Order date.:</i>	07.05.2021	
Auftraggeber: <i>Client:</i>	GD JG Electronic Ltd Building 6, No.58 Gaozeng Street, Renhe Town, Baiyun District, Guangzhou, Guangdong, P.R. China.			
Prüfgegenstand: <i>Test item:</i>	Refrigerator			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	FC75, FC95, FC100			
Auftrags-Inhalt: <i>Order content:</i>	FCC approval			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 2 February 2017 CFR47 FCC Part 15: Subpart C Section 15.207 RSS-Gen Issue 5 November 2018 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-102 Issue 5 March 2015 FCC KDB Publication 447498 D01 v06			
Wareneingangsdatum: <i>Date of receipt:</i>	12.05.2021			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A003047489			
Prüfzeitraum: <i>Testing period:</i>	Refer to test report			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Guangdong) Co.,Ltd. EMC Laboratory			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:  28.06.2021 Storm Shu / Project Manager  28.06.2021 Amy Wang / Technical Certifier				
Datum <i>Date</i>			Datum <i>Date</i>	
Name/Stellung <i>Name/Position</i>			Name/Stellung <i>Name/Position</i>	
Unterschrift <i>Signature</i>			Unterschrift <i>Signature</i>	
Sonstiges / Other: FCC ID: 2AZCFFC75T100 IC: 27084-FC75T100 HVIN: FC75T100				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test setup and test equipment

Appendix 2: Test Results of Bluetooth

Appendix 3: Test Results of Wi-Fi

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory

No.102, 1F of Southwest and No.205, 2F of West Warehouse Building, No.767 Tianyuan Road, Tianhe District, Guangzhou, Guangdong, P.R. China

FCC Designation No.: CN1207

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Until	Calibratio Interval
Radio Spectrum Testing					
Spectrum Analyzer	Rohde & Schwarz	FSP30	100286	2021-08-16	1 Year
Spurious Emission					
EMI Test Receiver	Rohde&Schwarz	ESCI 3	100314	2021-03-15	1 Year
Two-Line V- Network	Rohde&Schwarz	ENV216	100195	2021-06-01	1 Year
EMI Test Receiver	Rohde&Schwarz	ESR7	102110	2021-04-09	1 Year
Artificial Mains Network	AFJ	LT32C/10	320318102 53	2021-07-30	1 Year
Impedance Stabilization Network	TESTQ	ISN T8-Cat6	39916	2021-03-15	1 Year
Artificial Mains Network	Rohde&Schwarz	ESH2-Z5	100114	2021-03-15	1 Year
EMI Test Receiver	Rohde & Schwarz	ESU 26	100209	2021-03-16	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSP30	100286	2020-08-16	1 Year
Trilog-Broadband Antenna	Schwarzbeckmess- elektronik	VULB9168	684	2021-08-21	1 Year
Double-Ridged Horn Antenna	Rohde & Schwarz	HF907	100377	2021-10-20	1 Year
Horn Antenna	EMCO	3160-09	21642	2022-01-19	1 Year
Pre-Amplifier(1- 18GHz)	MITEQ	AFS44- 00101800-25- 10P-44	1934457	2021-05-28	1 Year
Pre-Amplifier(18- 26GHz)	MITEQ	AFS33- 18002650-30- 8P-44	1108282	2020-07-30	1 Year
Band Reject Filter	Micro-Tronics	BRM50702	023	2021-07-04	1 Year
Highpass Filter	Micro-Tronics	HPM50115-03	001	2021-03-19	1 Year
Test software	Rohde&Schwarz	EMC32	V9.25	/	/

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

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

Item		Extended Uncertainty
Conducted Emission		± 2.68 dB
Radiated Emission (9kHz-30MHz)	Field strength (dBµV/m)	U=3.08dB, k=2, σ=95%
Radiated Emission (30-1000MHz)	Field strength (dBµV/m)	U=5.16dB, k=2, σ=95%
Radiated Emission (above 1000MHz)	Field strength (dBµV/m)	U=3.08dB, k=2, σ=95%
Radio Spectrum		± 0.60 dB

2.6 Sample Calculations

Calculation of test results for conducted emission measurement:

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.318000	---	32.65	49.76	17.11	1000.	9.000	L1	GND	10.1
0.318000	34.05	---	59.76	25.71	1000.	9.000	L1	GND	10.1

Frequency (MHz) = Emission frequency in MHz

Level (dBuV) = Reading converted to dBuV and correction Factor added (QuasiPeak or CAverage)

Reading (dBuV) = Level (dBuV) – Corr. (dB) (Uncorrected Analyzer/Receiver reading)

Corr (dB) = LISN Factor (including extended outlet insertion loss if > 0.5dB) + Cable loss

Limit (dBuV) = Limit stated in standard

Margin (dB) = Limit (dBuV) – Level (dBuV)

Detector: QP= Quasi-Peak; AVG= Average; PK= Peak

e.g.: 32.65dBuV(Level)= 22.55dBuV(Reading) + 10.1dB(Corr.)

17.11dB(Margin)= 49.76dBuV(Limit) - 32.65dBuV(Level)

2.7 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix 2&3 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) file for certification follow-up purposes.

2.8 Status of Facility Used for Testing

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory
No.102, 1F of Southwest and No.205, 2F of West Warehouse Building, No.767 Tianyuan Road, Tianhe District, Guangzhou, Guangdong, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The appliance is compressor-type Refrigerator.

This appliance is intended to be used in car and similar applications and it supports Bluetooth 4.2 (Single mode) and 2.4GHz Wi-Fi wireless technology.

Model List:

Model	Rated voltage	Rated input current	Refrigerant/ charge	Compressor
FC75	12/24V ===	8,5A/ 4,5A	R1234yf / 0,057kg	ZH25G
FC95	12/24V ===	9,5A/ 5,5A	R1234yf / 0,057kg	ZH25G
FC100	12/24V ===	9,0A/ 5,0A	R1234yf / 0,060kg	ZH25G

Model difference:

1. All models used the same Bluetooth module and Wi-Fi module.
2. FC75 is identical with FC95 except the overall dimensions and rated input current.
2. FC95 is identical with FC100 except the overall dimensions, rated input current and refrigerant charge.
3. FC75 and FC95 are with two storage compartments (control the temperature separately), FC100 is with one storage compartment.

According to above information, full test were performed on FC95.

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

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Refrigerator
Type Designation	FC75, FC95, FC100
Trade Mark	FROZEN
FCC ID	2AZC1FFC75T100
Operating Frequency	2402 - 2480 MHz
Operating Temperature Range	0°C to +43°C
Operating Voltage	DC 12V or DC 24V
Testing Voltage	DC 24V
Technical Specification of Bluetooth	
Operating Frequency	2402 - 2480 MHz
Type of Modulation	GFSK
Channel Number	40 channels
Channel Separation	2MHz
Wireless Technology	Bluetooth 4.2 (Single mode)
Antenna Type	PCB Antenna
Antenna Gain	1.5 dBi
Technical Specification of Wi-Fi 802.11 b/g/n	
Operating Frequency	2412 - 2462 MHz for 802.11b/g/n(HT20) 2422 - 2452 MHz for 802.11n(HT40)
Type of Modulation	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
Data Rate	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n
Channel Number	11 channels for 802.11b/g/n(HT20) 7 channels for 802.11n(HT40)
Channel Separation	5 MHz
Antenna Type	PCB Antenna
Gain	0 dBi

Table 3: RF Channel and Frequency of Bluetooth Low Energy

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	2402.00	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	19	2440.00	29	2460.00	39	2480.00

Table 4: RF Channel and Frequency of Wi-Fi 802.11 b/g/n

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
01	2412.00	05	2432.00	09	2452.00	13	2472.00
02	2417.00	06	2437.00	10	2457.00		
03	2422.00	07	2442.00	11	2462.00		
04	2427.00	08	2447.00	12	2467.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, General Bluetooth transmitting mode
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. On, Wi-Fi 802.11 b/g/n wireless transmitting mode
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- C. On, Normal operation with Bluetooth mode
- D. On, Normal operation with Wi-Fi mode
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|----------------------------------|-------------------------|
| - Application Form | - Operation Description |
| - Block Diagram | - Photo Document |
| - FCC/IC Label and Location Info | - Schematics |
| - Model Difference Letter | - User Manual |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014

According to clause 3.1, all tests were performed on model K6-EN in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	IBM	2366(T30)	99-BLMAW 03/03	/

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

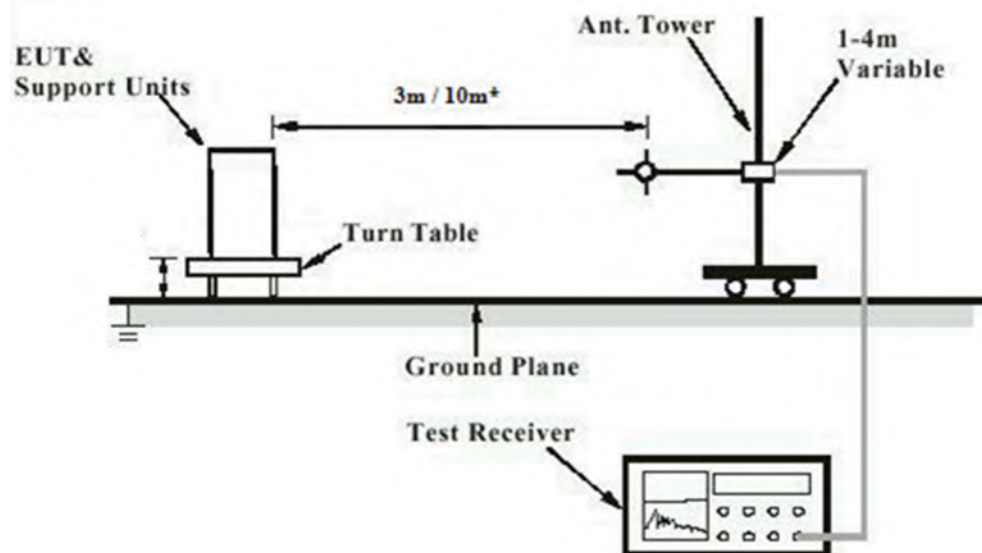


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

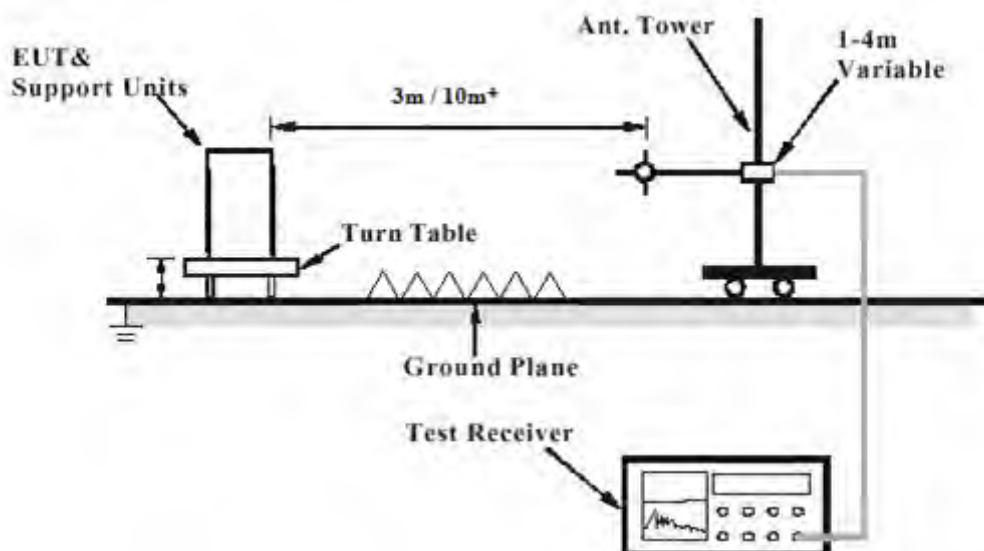


Diagram of Measurement Configuration for Mains Conduction Measurement

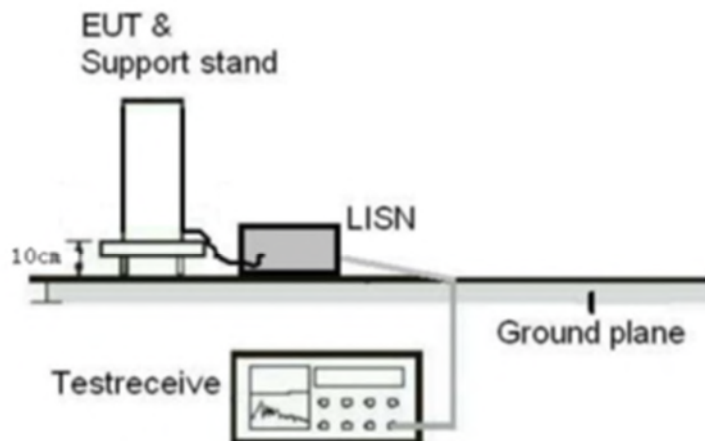
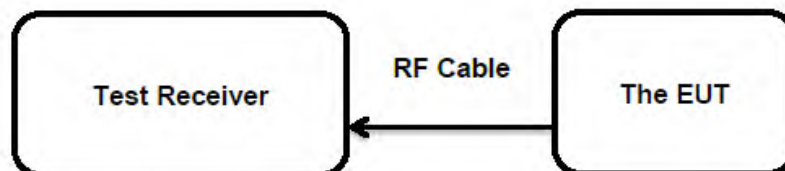


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

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

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has two internal antenna, the directional gain of Bluetooth antenna is 1.5 dBi, the directional gain of Wi-Fi antenna is 0 dBi, and the two antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

- 1) The cable loss is 2.0dB taken into account in results.
- 2) Antenna gain(G) of Bluetooth: 1.5 dBi,
The Maximum peak conducted output power (e.i.r.p.)= $P_{(\text{Peak power})} + G$, which is far below the 4 W

Table 7: Test Result of Maximum Peak Conducted Output Power, Wi-Fi 802.11 b/g/n

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
802.11b	1 Mbps	2412	13.36	0.0217	< 1.0
		2437	13.68	0.0233	
		2462	13.88	0.0244	
802.11g	6 Mbps	2412	8.88	0.0077	
		2437	9.29	0.0085	
		2462	9.61	0.0091	
802.11n (HT20)	MCS0	2412	8.77	0.0075	
		2437	9.26	0.0084	
		2462	9.60	0.0091	
802.11n (HT40)	MCS0	2422	8.47	0.0070	
		2437	8.51	0.0071	
		2452	8.44	0.0070	
Maximum Measured Value			13.88	0.0244	

Note:

- 1) The cable loss is 2.0dB taken into account in results.
- 2) Antenna gain(G) of 802.11 b/g/n: 0 dBi,

The Maximum peak conducted output power (e.i.r.p.)= $P_{(\text{Peak power})} + G$, which is far below the 4 W

This testing was carried out on all operation modes, but only the worst case was presented in this report.

5.1.3 Conducted Power Spectral Density

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

Test standard : FCC Part 15.247(e)
Basic standard : ANSI C63.10: 2013
Limits : 8 dBm/3kHz
Kind of test site : Shielded Room

Test Setup

Date of testing : 06.04.2021 & 28.06.2021
Input voltage : DC 24V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

Table 8: Test Result of Power Spectral Density, Low Energy

Test Mode	Test Channel (MHz)	Power Spectrum Density(dBm/3kHz)	Limit (dBm/3kHz)
Low Energy	2402	-35.92	< 8.0
	2440	-36.49	
	2480	-36.69	
Maximum Measured Value		-35.92	

Note: The cable loss is 2.0dB taken into account in results.

Table 9: Test Result of Power Spectral Density, Wi-Fi 802.11 b/g/n

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	1 Mbps	2412	-21.03	8 dBm / 3kHz
		2437	-20.85	
		2462	-20.92	
802.11g	6 Mbps	2412	-23.85	
		2437	-23.61	
		2462	-20.69	
802.11n (HT20)	MCS0	2412	-23.06	
		2437	-23.33	
		2462	-23.13	
802.11n (HT40)	MCS0	2422	-23.47	
		2437	-23.32	
		2452	-23.28	
Maximum Measured Value			-20.69	

Note: The cable loss is 2.0dB taken into account in results.

5.1.4 6dB Bandwidth

RESULT:
Pass
Test Specification

Test standard	: FCC Part 15.247(a)(2)
Basic standard	: ANSI C63.10: 2013
Limits	: More than 500 KHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 06.04.2021
Input voltage	: DC 24V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

Table 10: Test Result of 6dB Bandwidth, Low Energy

Test Mode	Test Channel (MHz)	-6dB Bandwidth (kHz)	Limit (kHz)
Low Energy	2402	720.0	> 500
	2440	720.0	
	2480	720.0	
Minimum Measured Value		720.0	

Table 11: Test Result of 6dB Bandwidth, Wi-Fi 802.11 b/g/n

Test Mode	Data Rate	Test Channel (MHz)	-6dB Bandwidth (kHz)	Limit (kHz)
802.11b	1 Mbps	2412	10130.00	> 500
		2437	10101.00	
		2462	10101.00	
802.11g	6 Mbps	2412	16585.00	
		2437	16614.00	
		2462	16585.00	
802.11n (HT20)	MCS0	2412	17800.00	
		2437	17742.00	
		2462	17742.00	
802.11n (HT40)	MCS0	2422	36495.00	
		2437	36495.00	
		2452	36495.00	
Minimum Measured Value			10101.00	

5.1.5 99% Bandwidth

RESULT:
Pass
Test Specification

Test standard : RSS-Gen Clause 6.6
 Basic standard : ANSI C63.10: 2013
 Limits : More than 500 KHz
 Kind of test site : Shielded Room

Test Setup

Date of testing : 06.04.2021 & 28.06.2021
 Input voltage : DC 24V
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 24 °C
 Relative humidity : 50 %
 Atmospheric pressure : 101 kPa

Table 12: Test Result of 99% Bandwidth, Low Energy

Test Mode	Test Channel (MHz)	99% Bandwidth (kHz)	Limit (kHz)
Low Energy	2402	1038.0	/
	2440	1038.0	
	2480	1038.0	
Minimum Measured Value		1038.0	

Table 13: Test Result of 99% Bandwidth, Wi-Fi 802.11 b/g/n

Test Mode	Data Rate	Test Channel (MHz)	99% Bandwidth (MHz)	Limit
802.11b	1 Mbps	2412	14.88	/
		2437	14.85	
		2462	14.85	
802.11g	6 Mbps	2412	16.81	
		2437	16.85	
		2462	16.85	
802.11n (HT20)	MCS0	2412	17.89	
		2437	17.82	
		2462	17.85	
802.11n (HT40)	MCS0	2422	35.79	
		2437	35.79	
		2452	35.79	
Maximum Measured Value			35.79	

5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	: ANSI C63.10: 2013
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 06.04.2021 & 28.06.2021
Input voltage	: DC 24V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

5.1.7 Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 07.04.2021 & 28.06.2021
Input voltage	: DC 24V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 23 °C
Relative humidity	: 48 %
Atmospheric pressure	: 101 kPa

Remark:

The Radiated Spurious Emission was carried out within frequency range 9kHz – 30MHz and 18GHz - 26.5GHz, and the measurements with active antenna were greater than 20dB below the limit, so the test data were not recorded in the test report.

For the measurement records, refer to the appendix 2 & 3.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix 1.

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Appendix A.1: Photographs of the Test Set-Up

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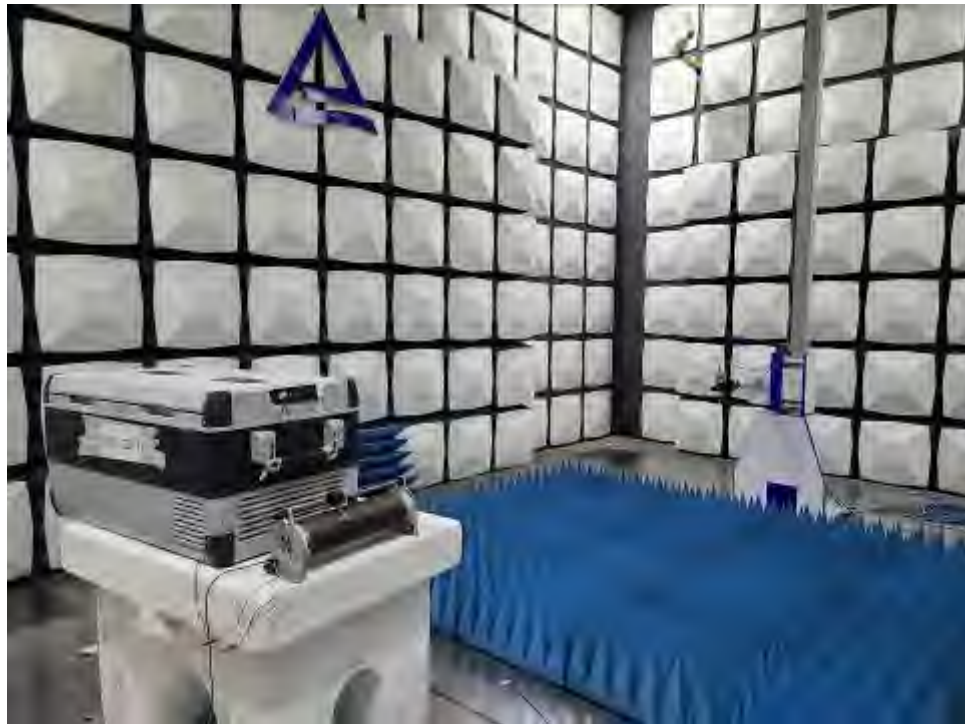
Photograph 1: Set-up for Radiated Spurious Emission, 30MHz - 1GHz



Photograph 2: Set-up for Radiated Spurious Emission, 1GHz - 18GHz



Photograph 3: Set-up for Radiated Spurious Emission, 18GHz - 26.5GHz



Prüfbericht - Nr.:

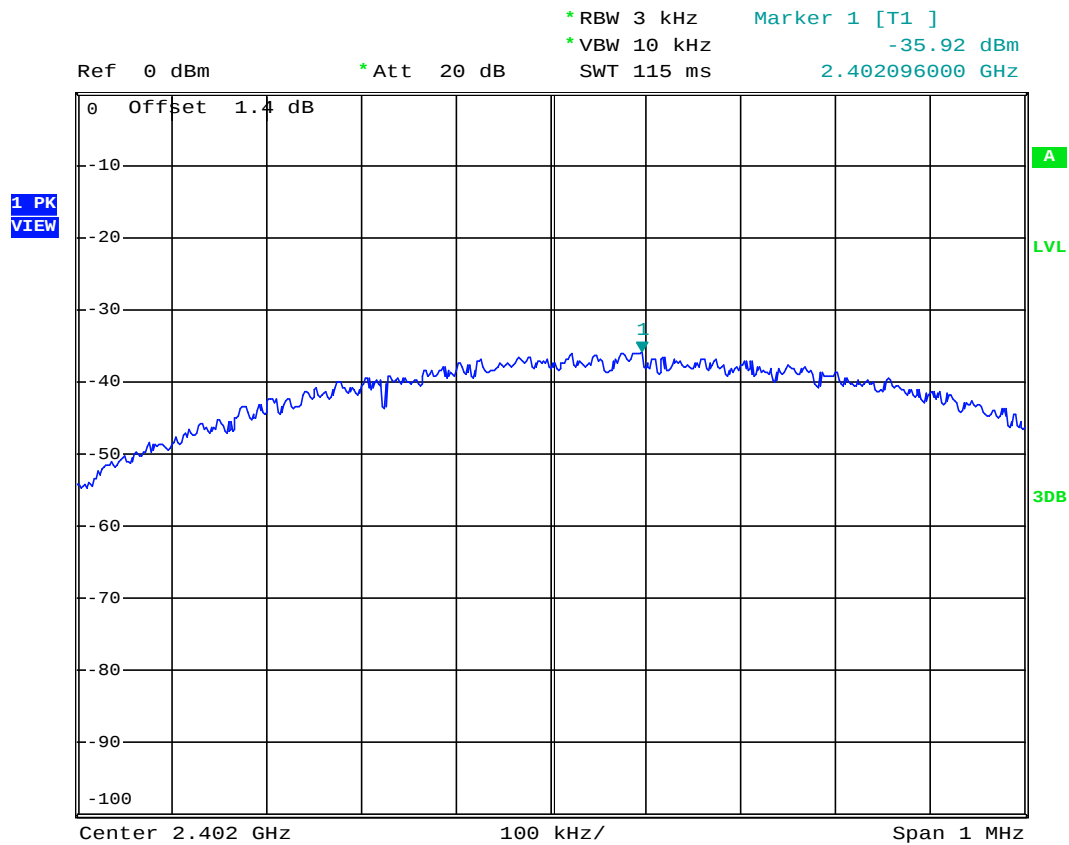
CN21557E 001

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Conducted Power Spectral Density-BLE-L Channel



Prüfbericht - Nr.:

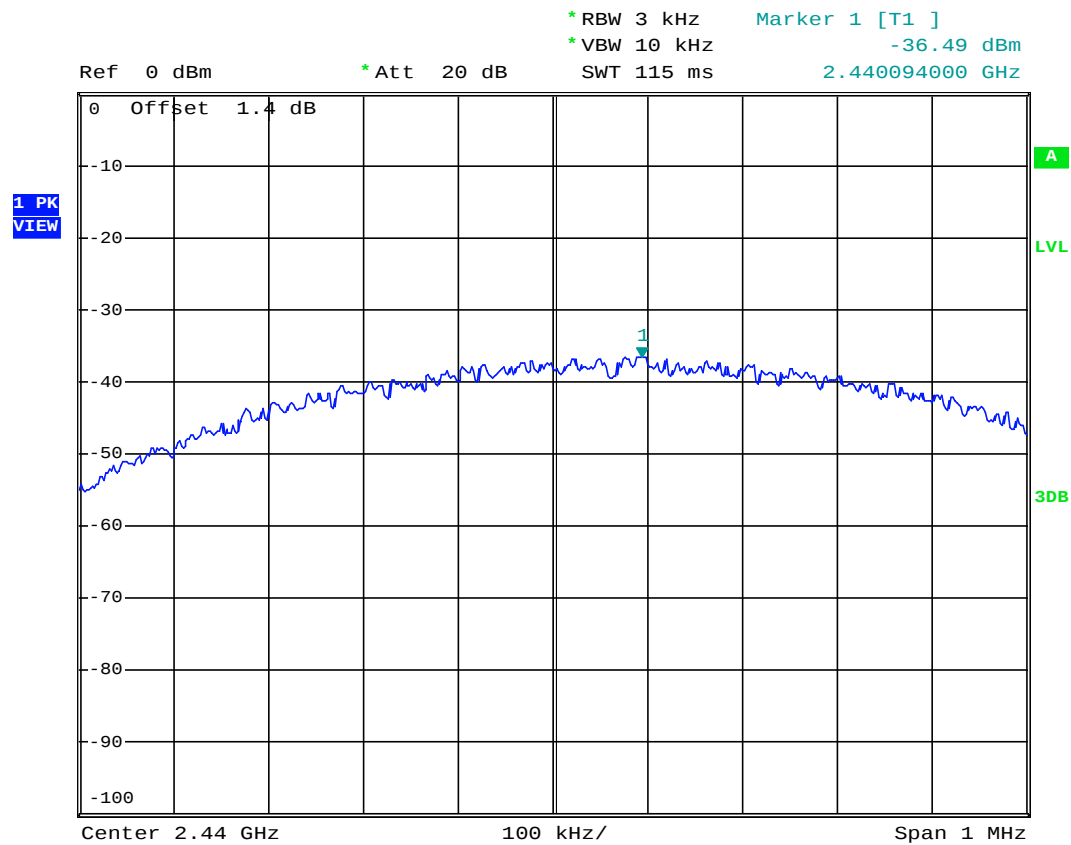
CN21557E 001

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Conducted Power Spectral Density-BLE-M Channel



Prüfbericht - Nr.:

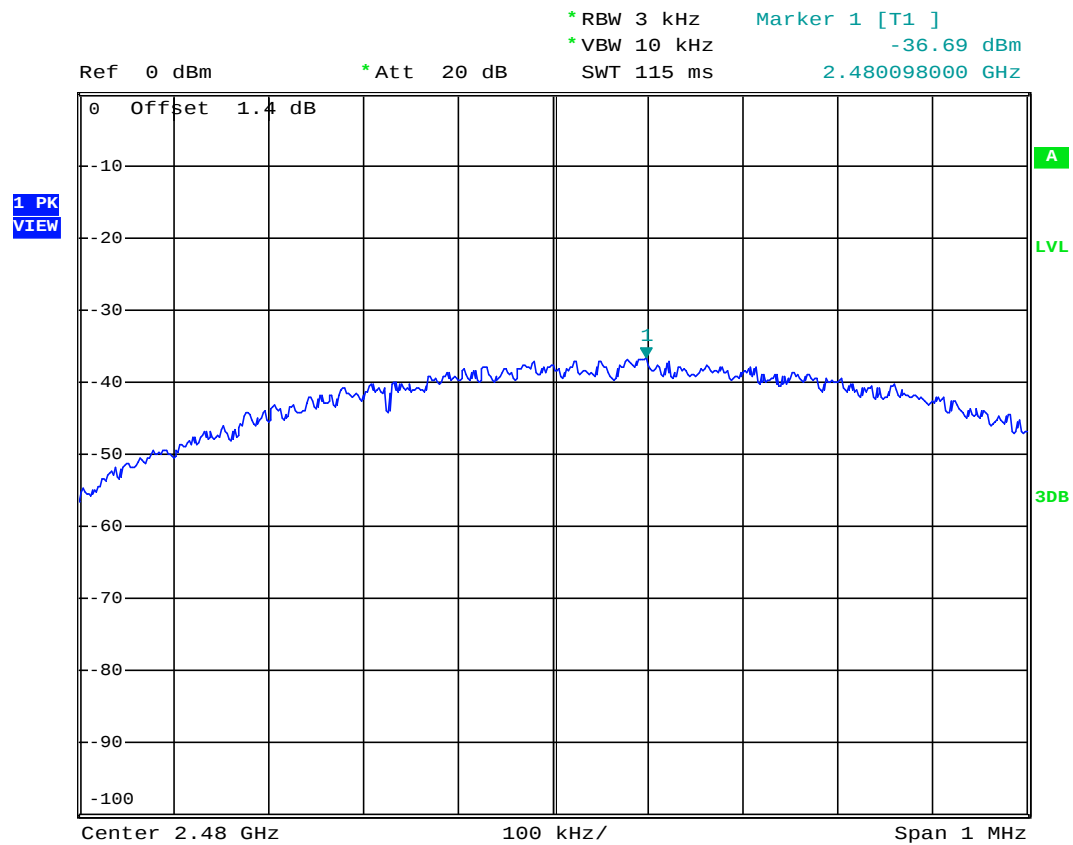
CN21557E 001

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Conducted Power Spectral Density-BLE-H Channel



Prüfbericht - Nr.:

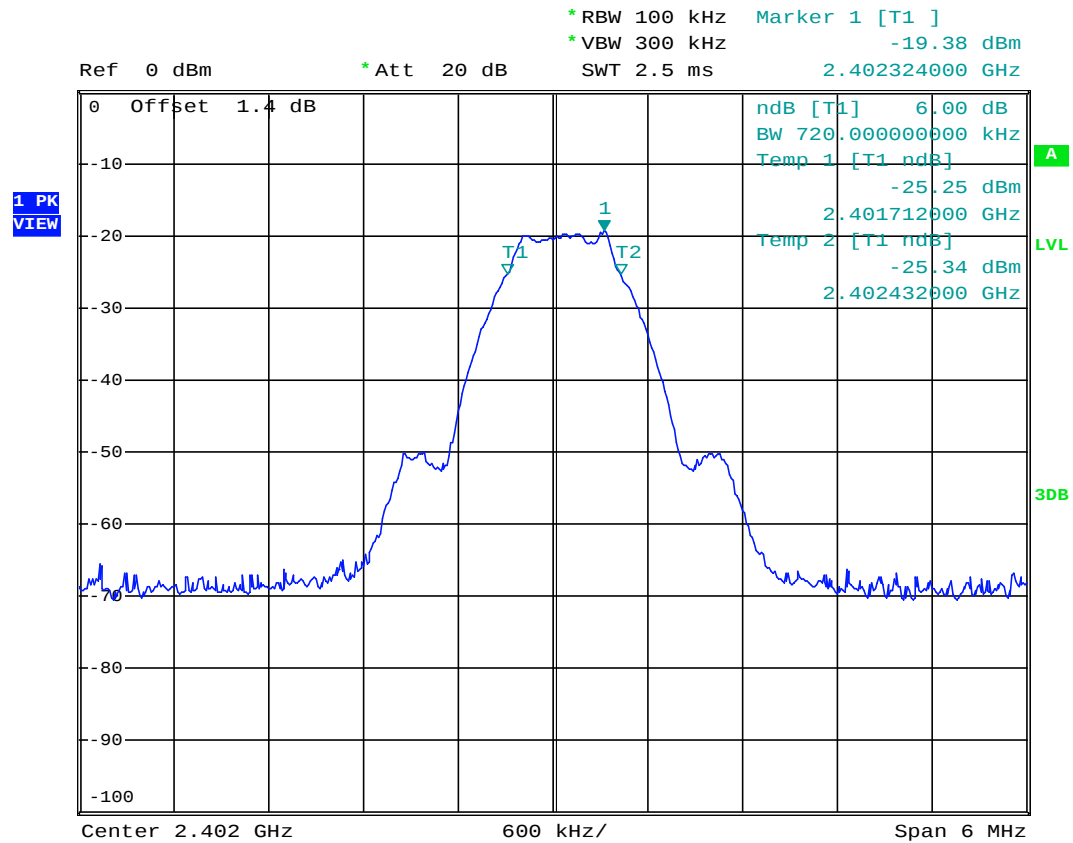
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6dB Bandwidth-BLE-L Channel



Prüfbericht - Nr.:

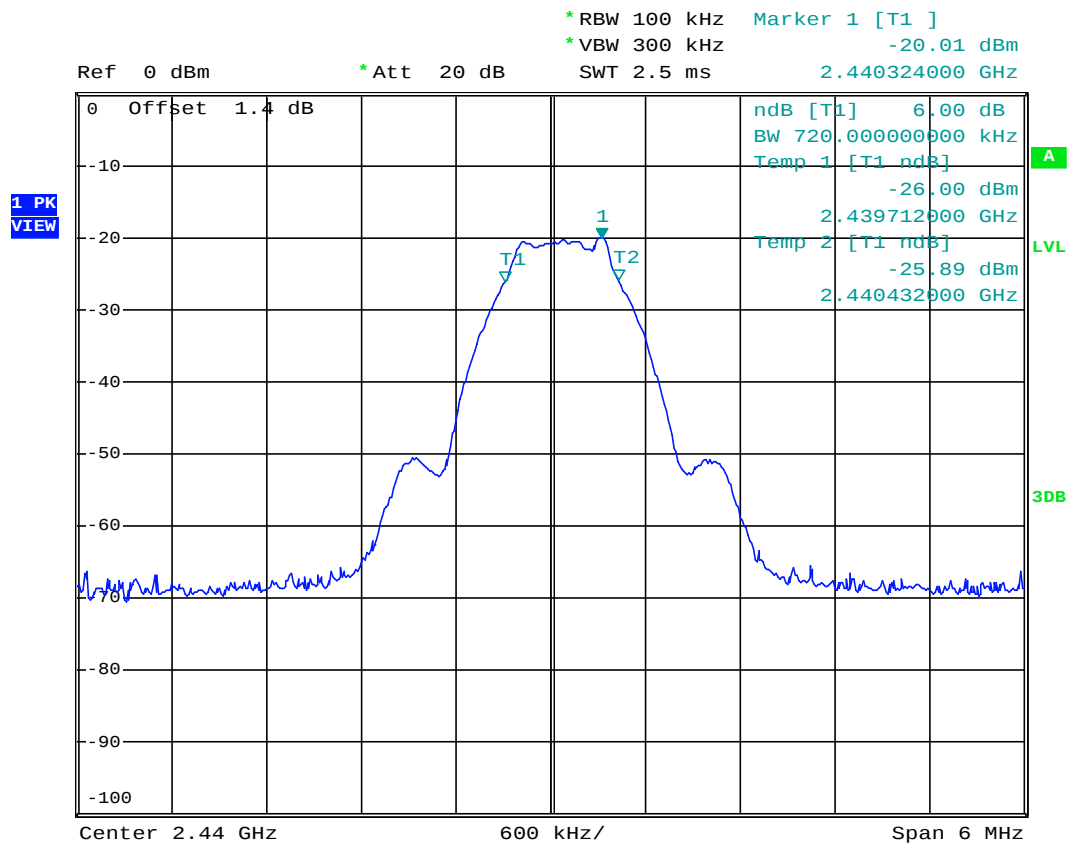
CN21557E 001

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6dB Bandwidth-BLE-M Channel



Prüfbericht - Nr.:

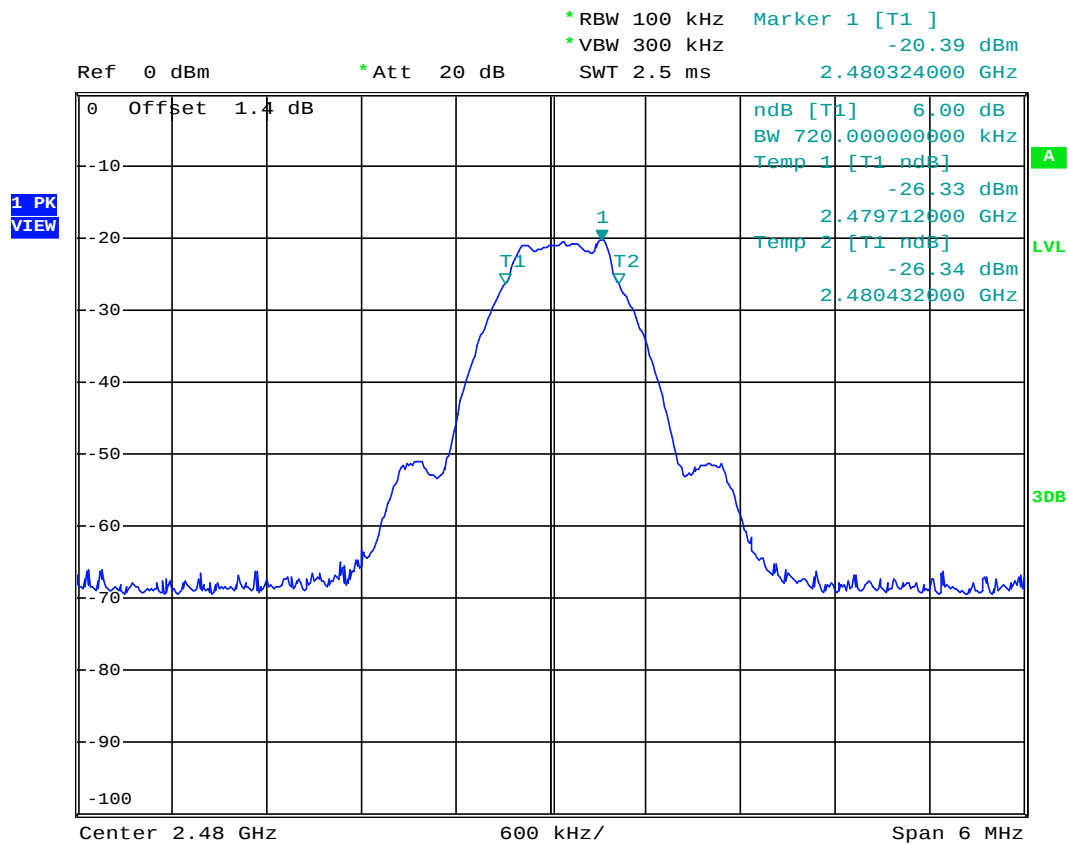
CN21557E 001

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6dB Bandwidth-BLE-H Channel



Prüfbericht - Nr.:

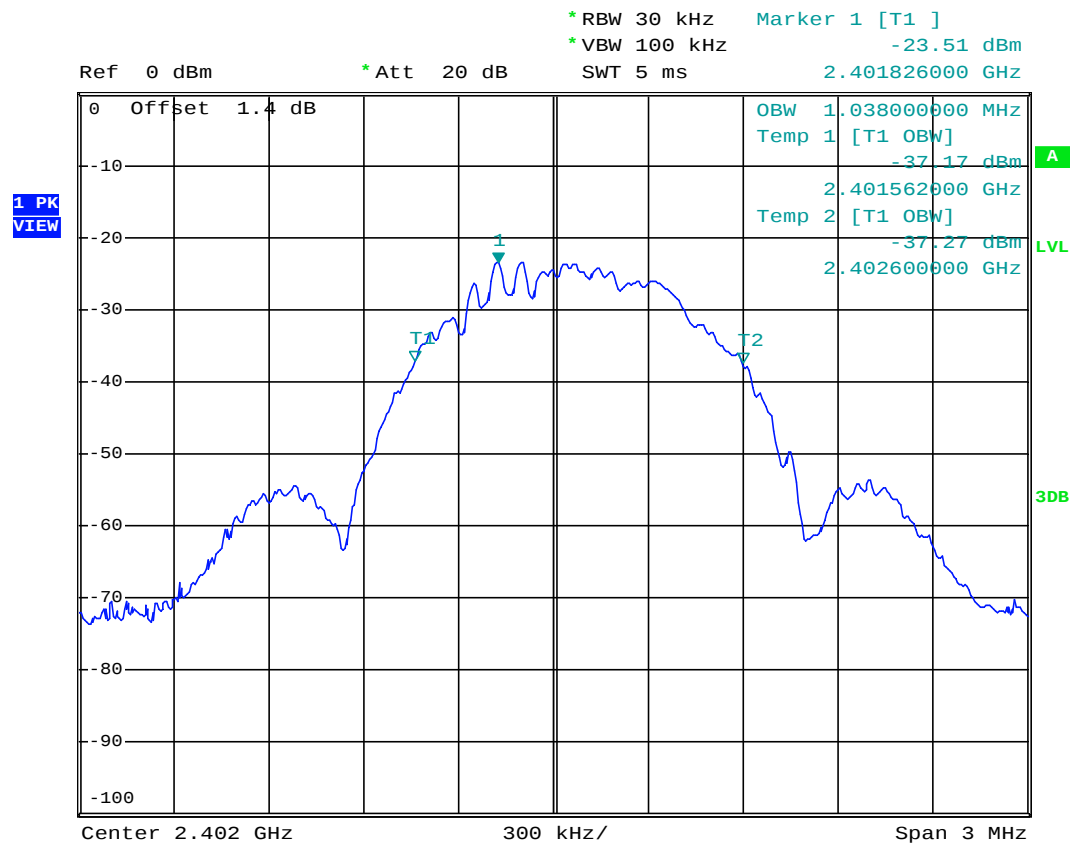
CN21557E 001

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99% Bandwidth-BLE-L Channel



Prüfbericht - Nr.:

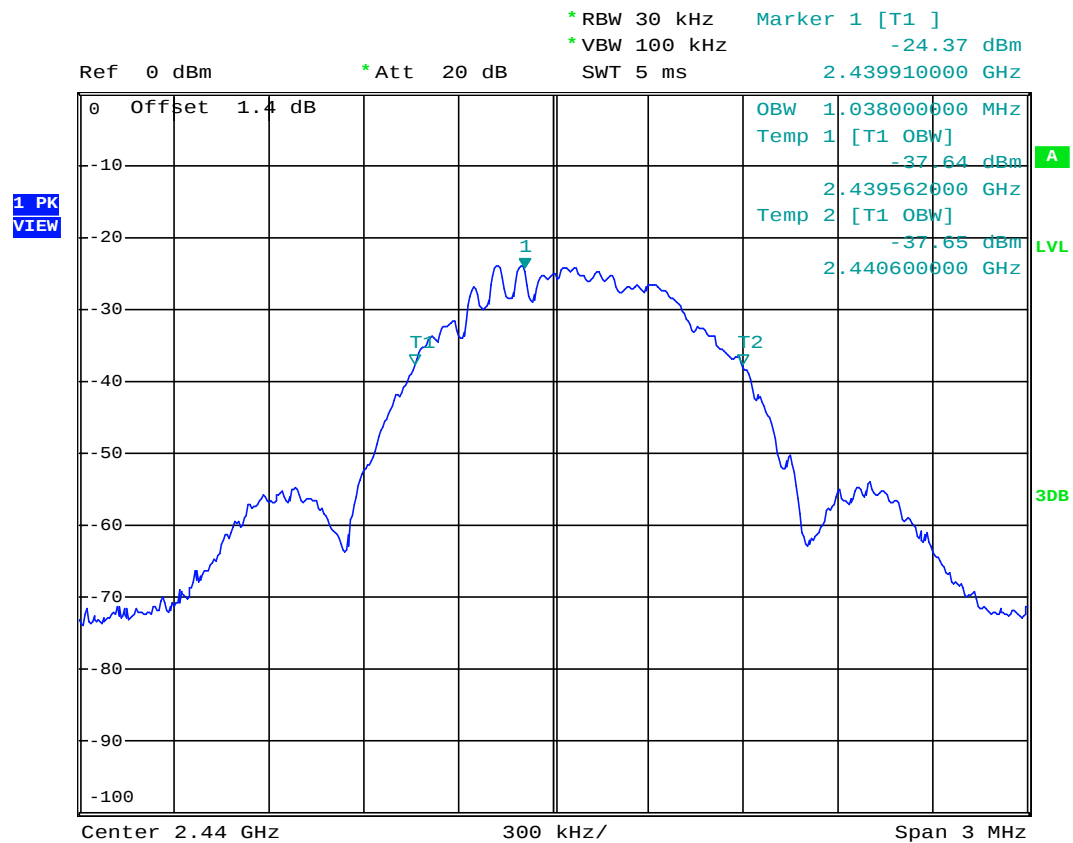
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99% Bandwidth-BLE-M Channel



Prüfbericht - Nr.:

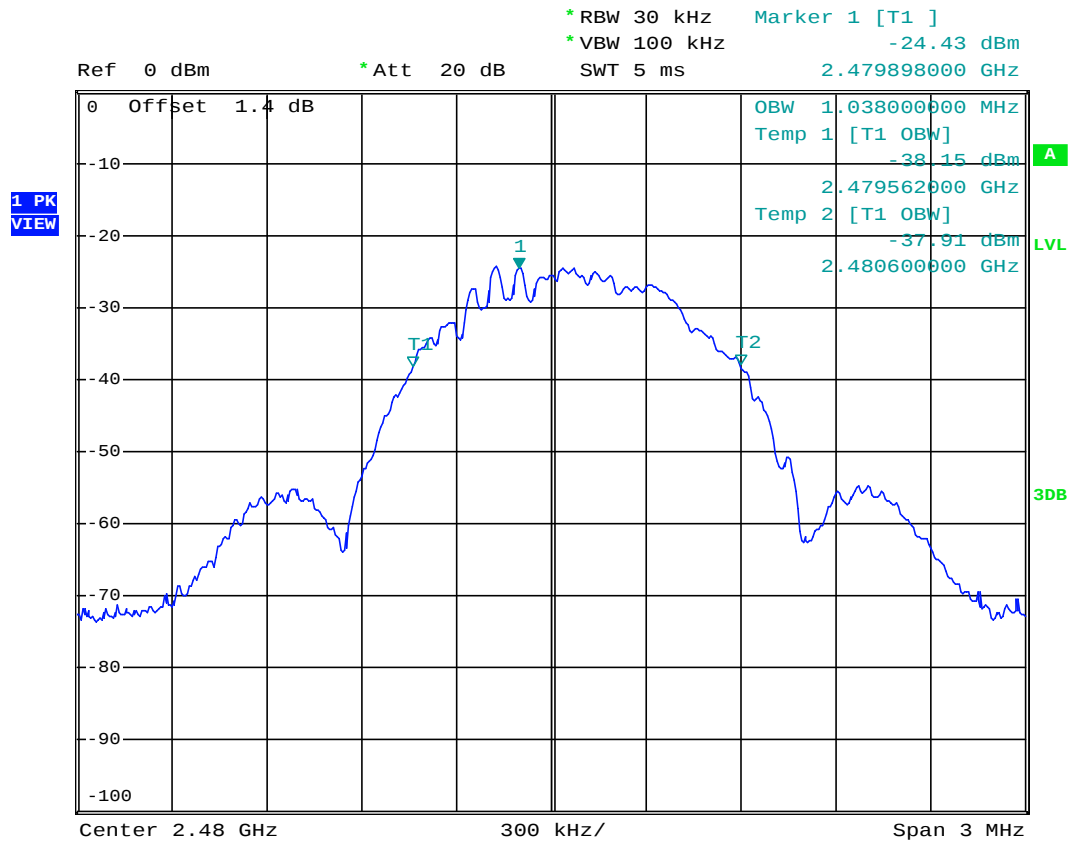
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99% Bandwidth-BLE-H Channel



Prüfbericht - Nr.:

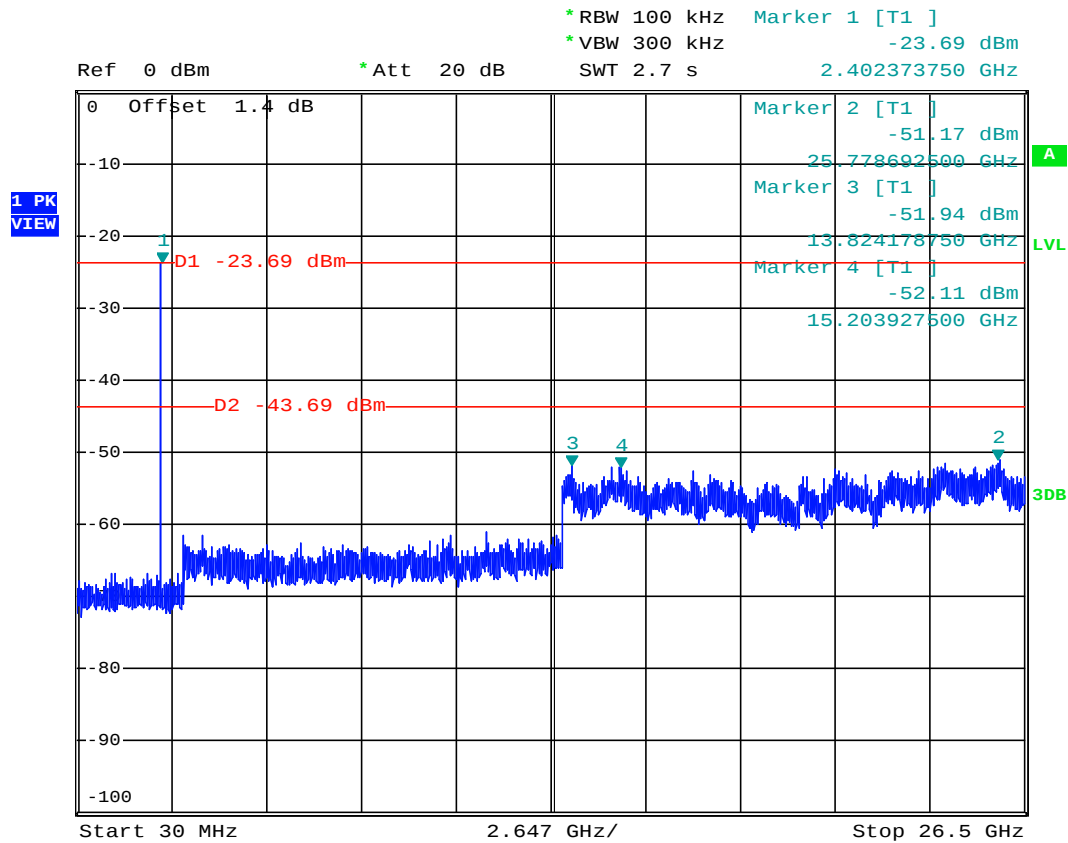
CN21557E 001

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Conducted Spurious Emissions –BLE-L Channel



Prüfbericht - Nr.:

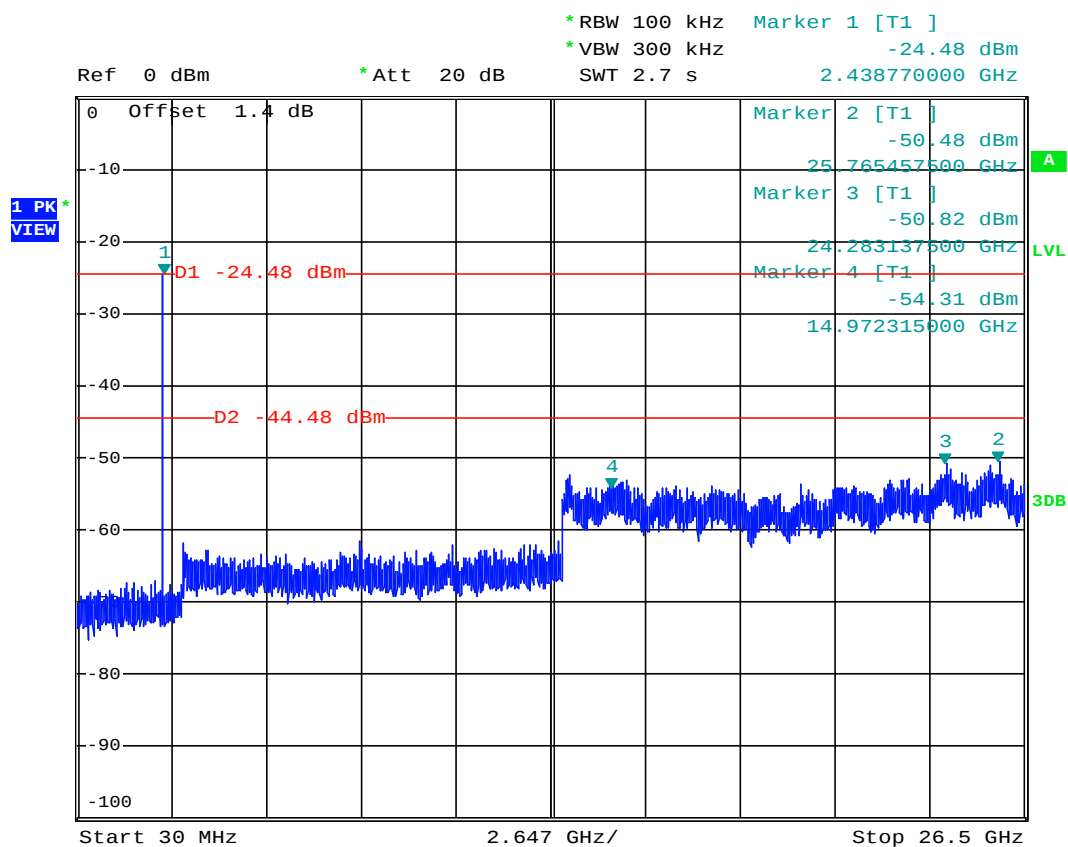
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Conducted Spurious Emissions –BLE-M Channel



Prüfbericht - Nr.:

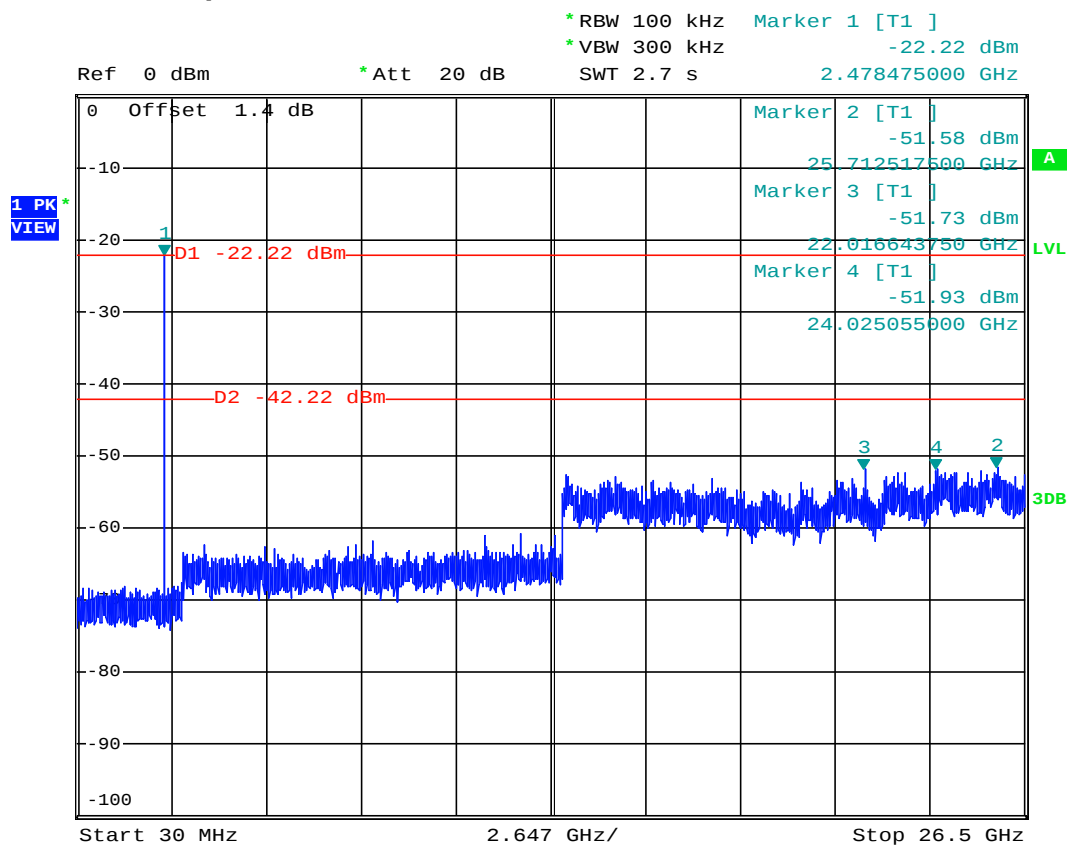
CN21557E 001

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Conducted Spurious Emissions –BLE-H Channel



Prüfbericht - Nr.:

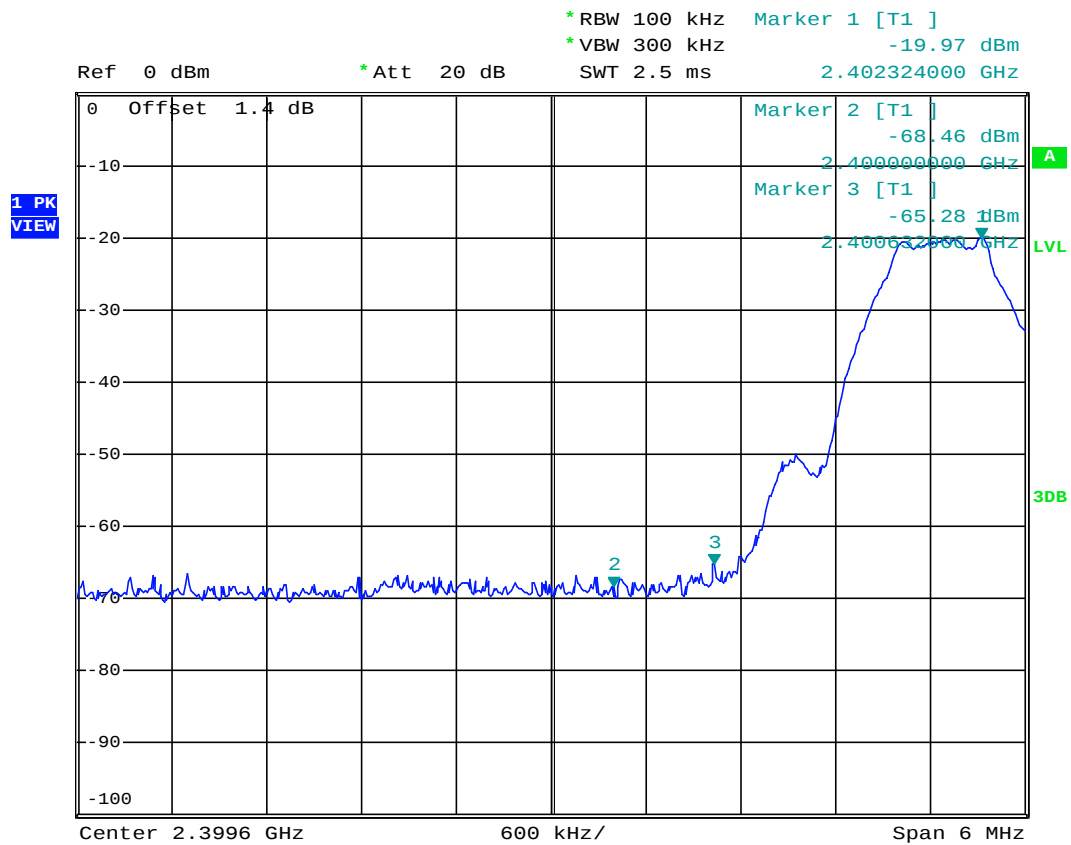
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Band Edge-BLE-L CH



Prüfbericht - Nr.:

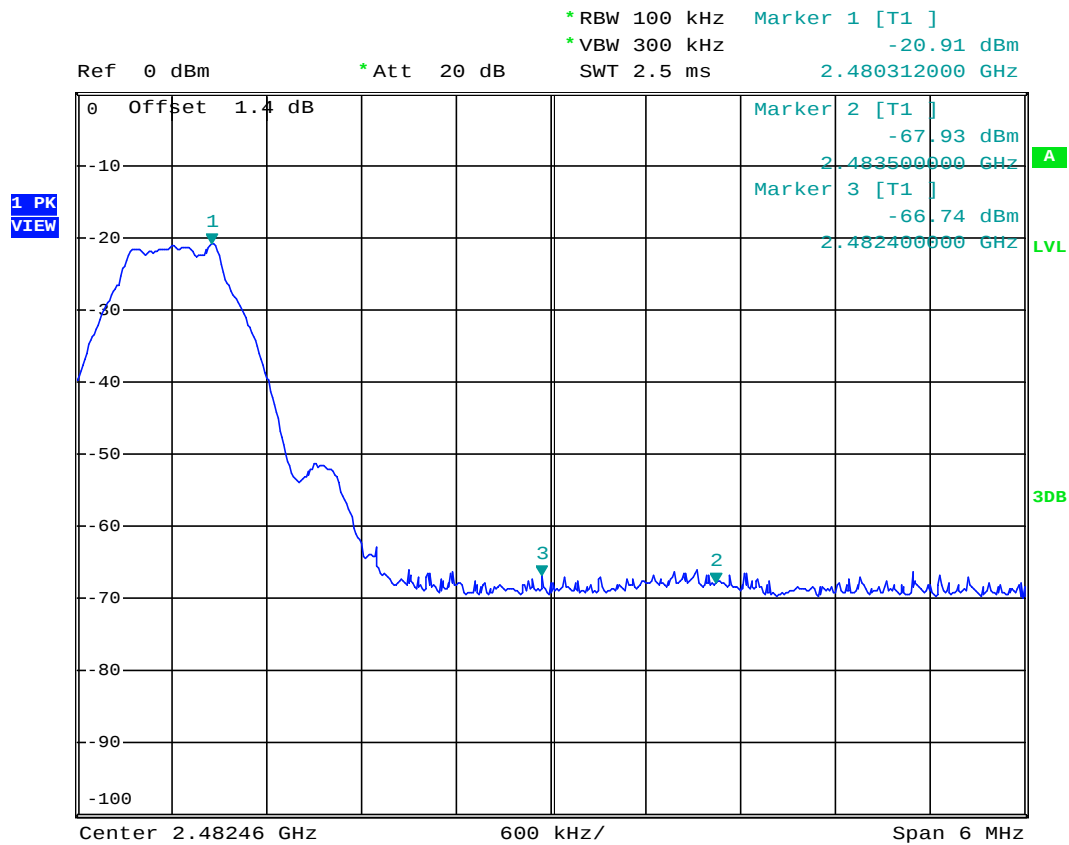
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Band Edge-BLE-H CH



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Radiated Spurious Emissions

TUV Rheinland (Guangdong) Ltd.

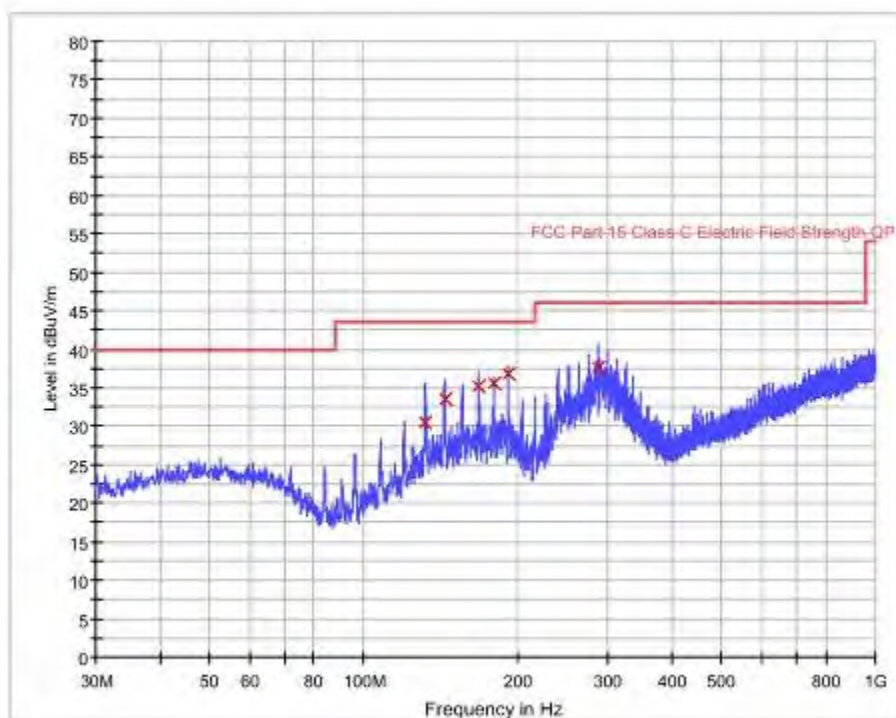
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency range:	30M-1000MHz
Receiver:	ESCI 3
Transducer:	VULB9168



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)	Comment
132.200000	30.6	1000.0	120.000	H	19.6	13.0	43.5	
144.080000	33.5	1000.0	120.000	H	20.9	10.0	43.5	
168.000000	35.3	1000.0	120.000	H	20.7	8.3	43.5	
180.000000	35.5	1000.0	120.000	H	19.6	8.0	43.5	
192.000000	36.8	1000.0	120.000	H	18.2	6.7	43.5	
287.880000	37.6	1000.0	120.000	H	21.7	8.4	46.0	

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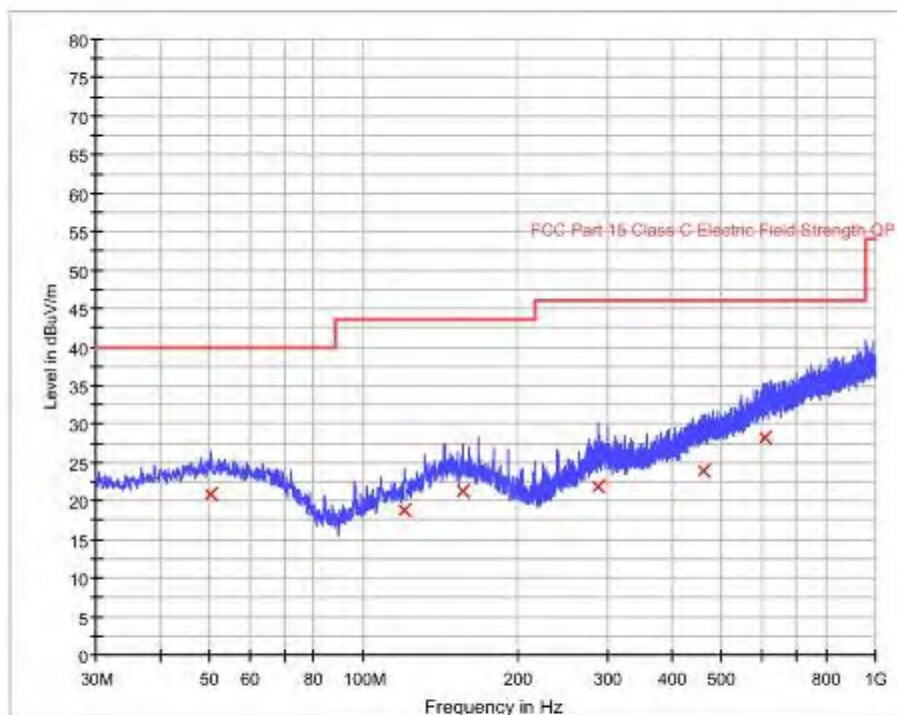
TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical
Subrange 1	
Frequency range:	30M-1000MHz
Receiver:	ESCI 3
Transducer:	VULB9168



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)	Comment
50.480000	20.8	1000.0	120.000	V	20.8	19.2	40.0	
120.560000	18.8	1000.0	120.000	V	18.4	24.7	43.5	
156.360000	21.3	1000.0	120.000	V	21.1	22.2	43.5	
287.400000	21.8	1000.0	120.000	V	21.7	24.2	46.0	
463.240000	23.9	1000.0	120.000	V	26.6	22.1	46.0	
608.960000	28.3	1000.0	120.000	V	29.9	17.7	46.0	

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EMC Test Service Hotline: +86-20-28391188

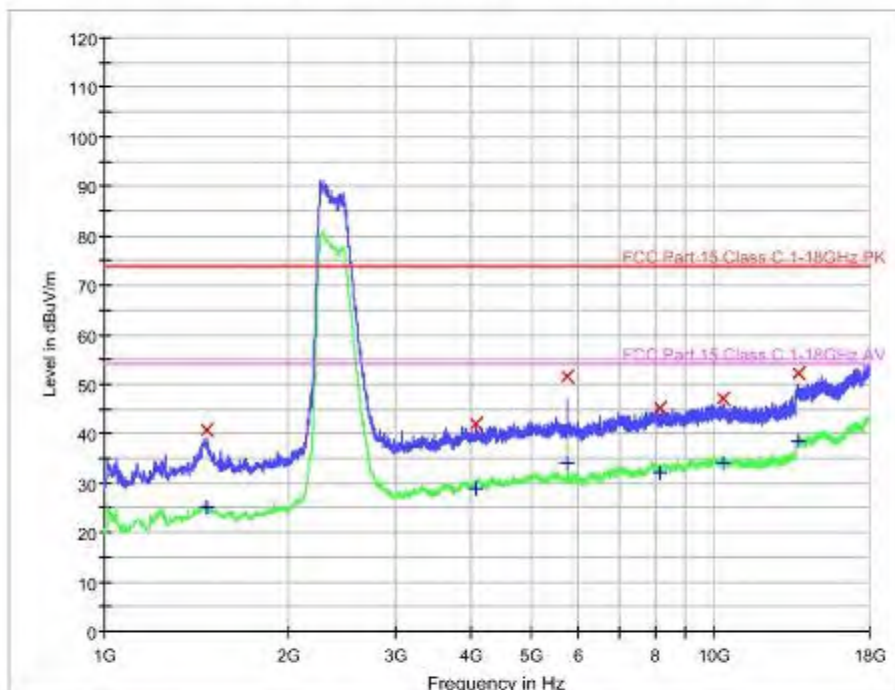
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1476.000000	40.7	1000.0	1000.000	H	-16.6	33.3	74.0
4071.000000	42.0	1000.0	1000.000	H	-8.3	32.1	74.0
5752.000000	51.6	1000.0	1000.000	H	-5.9	22.4	74.0
8155.000000	45.2	1000.0	1000.000	H	-0.9	28.8	74.0
10348.000000	47.0	1000.0	1000.000	H	2.2	27.0	74.0
13771.000000	52.2	1000.0	1000.000	H	2.8	21.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1476.000000	25.2	1000.0	1000.000	H	-16.6	28.8	54.0
4071.000000	28.9	1000.0	1000.000	H	-8.3	25.1	54.0
5752.000000	34.1	1000.0	1000.000	H	-5.9	19.9	54.0
8155.000000	32.3	1000.0	1000.000	H	-0.9	21.7	54.0
10348.000000	34.1	1000.0	1000.000	H	2.2	19.9	54.0
13771.000000	38.6	1000.0	1000.000	H	2.8	15.4	54.0

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TUV Rheinland (Guangdong) Ltd.

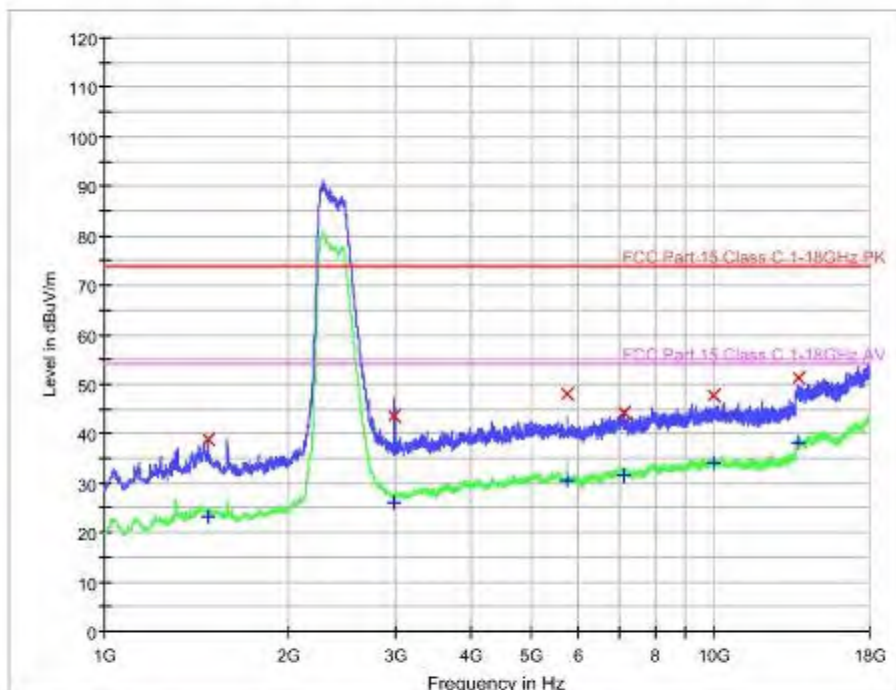
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical
Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_ERE011-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1482.000000	38.7	1000.0	1000.000	V	-16.6	35.3	74.0
2991.000000	43.7	1000.0	1000.000	V	-11.0	30.3	74.0
5747.000000	48.2	1000.0	1000.000	V	-5.9	25.9	74.0
7120.000000	44.4	1000.0	1000.000	V	-3.3	29.6	74.0
9982.000000	47.9	1000.0	1000.000	V	2.4	26.1	74.0
13737.000000	51.3	1000.0	1000.000	V	2.8	22.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1482.000000	23.2	1000.0	1000.000	V	-16.6	30.8	54.0
2991.000000	26.2	1000.0	1000.000	V	-11.0	27.8	54.0
5747.000000	30.6	1000.0	1000.000	V	-5.9	23.4	54.0
7120.000000	31.4	1000.0	1000.000	V	-3.3	22.6	54.0
9982.000000	34.0	1000.0	1000.000	V	2.4	20.0	54.0
13737.000000	38.3	1000.0	1000.000	V	2.8	15.7	54.0

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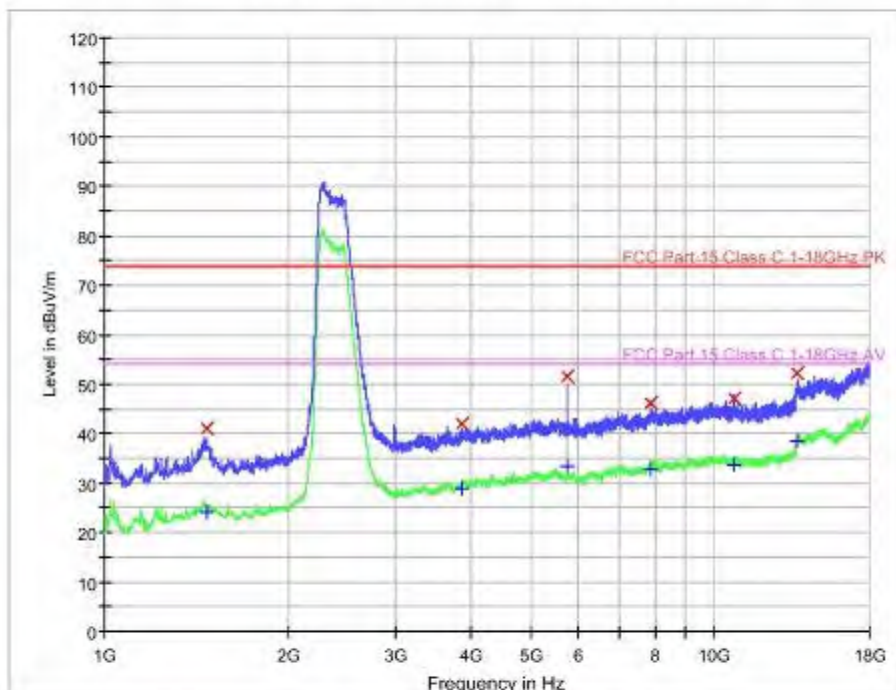
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal
Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1470.000000	41.1	1000.0	1000.000	H	-16.7	32.9	74.0
3858.000000	42.1	1000.0	1000.000	H	-8.6	31.9	74.0
5743.000000	51.5	1000.0	1000.000	H	-5.9	22.5	74.0
7866.000000	46.2	1000.0	1000.000	H	-1.6	27.8	74.0
10813.000000	47.0	1000.0	1000.000	H	2.7	27.0	74.0
13731.000000	52.1	1000.0	1000.000	H	2.8	21.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1470.000000	24.2	1000.0	1000.000	H	-16.7	29.8	54.0
3858.000000	29.0	1000.0	1000.000	H	-8.6	25.0	54.0
5743.000000	33.4	1000.0	1000.000	H	-5.9	20.6	54.0
7866.000000	32.7	1000.0	1000.000	H	-1.6	21.3	54.0
10813.000000	33.9	1000.0	1000.000	H	2.7	20.2	54.0
13731.000000	38.6	1000.0	1000.000	H	2.8	15.4	54.0

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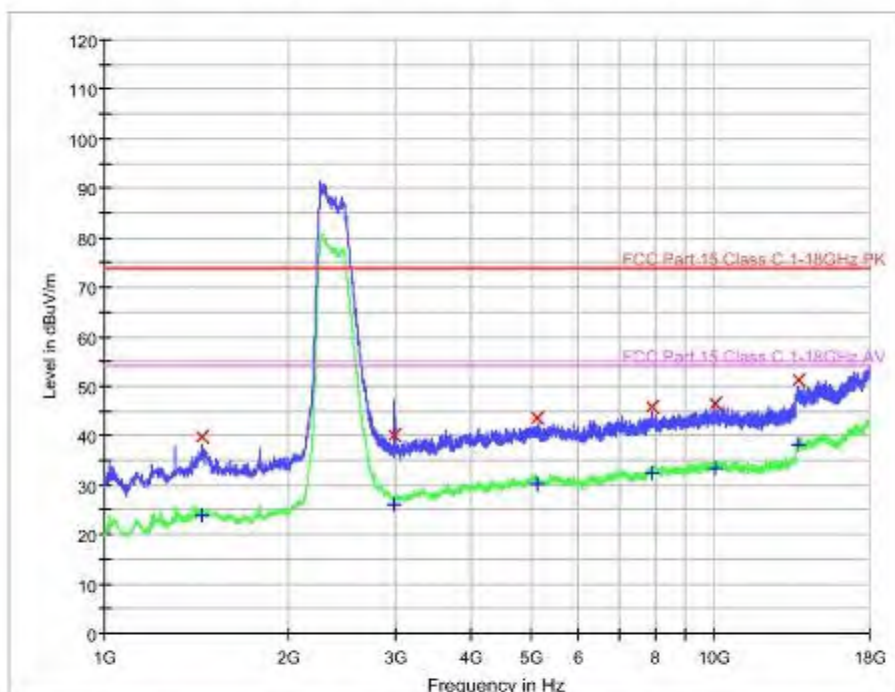
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical
Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1444.000000	39.7	1000.0	1000.000	V	-16.8	34.3	74.0
2993.000000	40.2	1000.0	1000.000	V	-11.0	33.8	74.0
5142.000000	43.7	1000.0	1000.000	V	-6.2	30.3	74.0
7927.000000	45.8	1000.0	1000.000	V	-1.4	28.2	74.0
10046.000000	46.4	1000.0	1000.000	V	2.3	27.6	74.0
13733.000000	51.1	1000.0	1000.000	V	2.8	22.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1444.000000	23.9	1000.0	1000.000	V	-16.8	30.1	54.0
2993.000000	26.1	1000.0	1000.000	V	-11.0	27.9	54.0
5142.000000	30.4	1000.0	1000.000	V	-6.2	23.6	54.0
7927.000000	32.6	1000.0	1000.000	V	-1.4	21.5	54.0
10046.000000	33.6	1000.0	1000.000	V	2.3	20.5	54.0
13733.000000	38.2	1000.0	1000.000	V	2.8	15.9	54.0

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Test Report No.

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

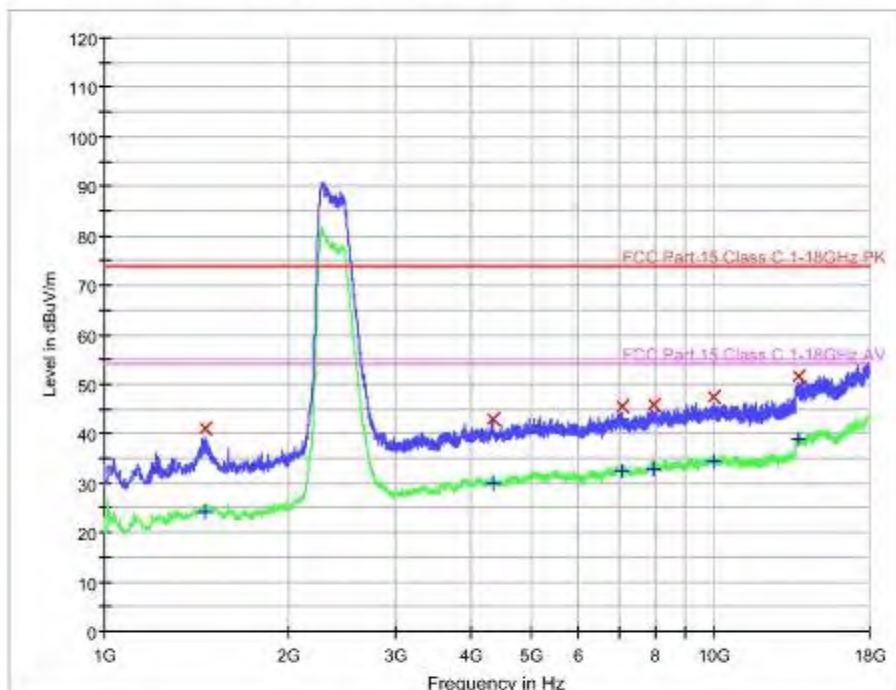
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1467.000000	41.1	1000.0	1000.000	H	-16.7	32.9	74.0
4334.000000	43.1	1000.0	1000.000	H	-7.5	30.9	74.0
7063.000000	45.4	1000.0	1000.000	H	-3.3	28.6	74.0
7976.000000	46.0	1000.0	1000.000	H	-1.3	28.0	74.0
9982.000000	47.3	1000.0	1000.000	H	2.4	26.7	74.0
13746.000000	51.6	1000.0	1000.000	H	2.8	22.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1467.000000	24.2	1000.0	1000.000	H	-16.7	29.8	54.0
4334.000000	30.0	1000.0	1000.000	H	-7.5	24.0	54.0
7063.000000	32.5	1000.0	1000.000	H	-3.3	21.6	54.0
7976.000000	32.7	1000.0	1000.000	H	-1.3	21.3	54.0
9982.000000	34.4	1000.0	1000.000	H	2.4	19.6	54.0
13746.000000	38.7	1000.0	1000.000	H	2.8	15.3	54.0

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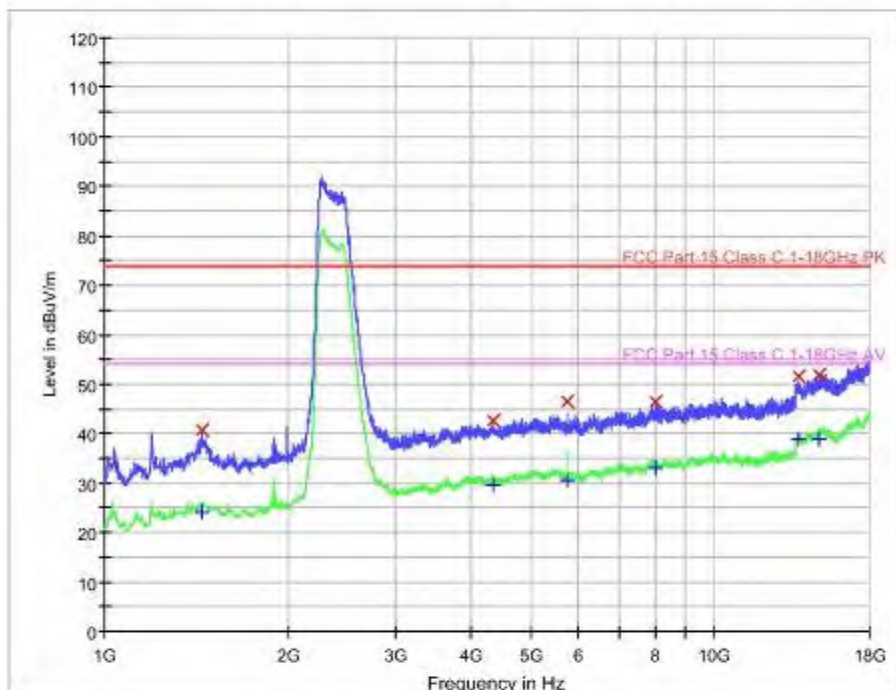
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical
Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-07_1GHz-18GHz_With PreAMP EXT& Notch filter



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
1446.000000	40.7	1000.0	1000.000	V	-16.8	33.3	74.0
4353.000000	42.6	1000.0	1000.000	V	-7.5	31.4	74.0
5745.000000	46.4	1000.0	1000.000	V	-5.9	27.6	74.0
8006.000000	46.4	1000.0	1000.000	V	-1.2	27.6	74.0
13754.000000	51.6	1000.0	1000.000	V	2.8	22.4	74.0
14840.000000	51.8	1000.0	1000.000	V	3.5	22.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
1446.000000	24.3	1000.0	1000.000	V	-16.8	29.7	54.0
4353.000000	29.7	1000.0	1000.000	V	-7.5	24.3	54.0
5745.000000	30.7	1000.0	1000.000	V	-5.9	23.3	54.0
8006.000000	33.0	1000.0	1000.000	V	-1.2	21.1	54.0
13754.000000	38.8	1000.0	1000.000	V	2.8	15.2	54.0
14840.000000	38.9	1000.0	1000.000	V	3.5	15.1	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

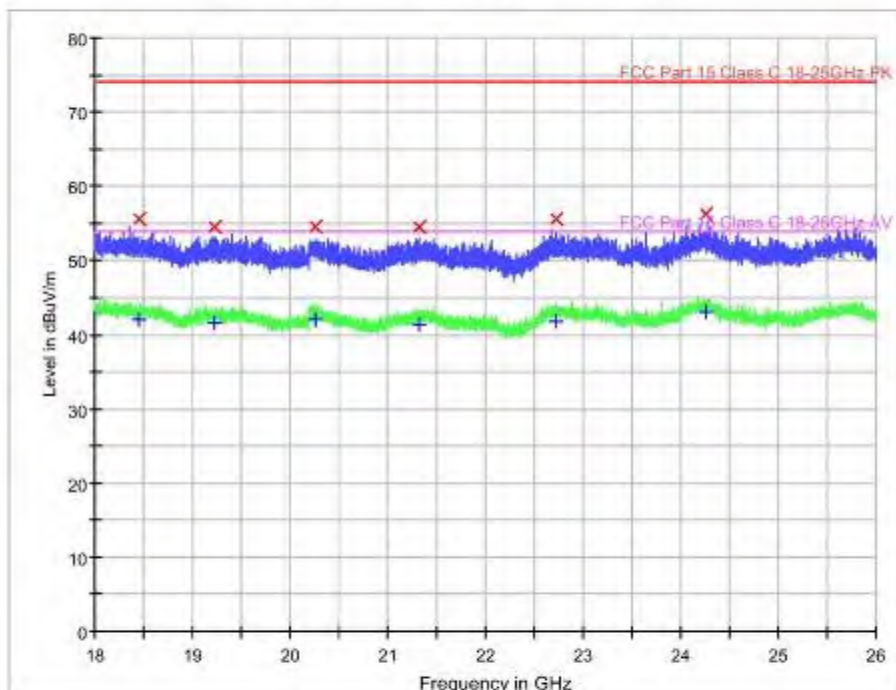
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18444.000000	55.5	1000.0	1000.000	H	8.1	18.5	74.0
19226.000000	54.6	1000.0	1000.000	H	7.9	19.4	74.0
20262.000000	54.6	1000.0	1000.000	H	7.6	19.4	74.0
21321.000000	54.4	1000.0	1000.000	H	7.2	19.6	74.0
22726.000000	55.6	1000.0	1000.000	H	7.4	18.5	74.0
24251.000000	56.3	1000.0	1000.000	H	7.7	17.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18444.000000	42.0	1000.0	1000.000	H	8.1	12.0	54.0
19226.000000	41.6	1000.0	1000.000	H	7.9	12.4	54.0
20262.000000	42.0	1000.0	1000.000	H	7.6	12.0	54.0
21321.000000	41.3	1000.0	1000.000	H	7.2	12.7	54.0
22726.000000	41.8	1000.0	1000.000	H	7.4	12.2	54.0
24251.000000	43.1	1000.0	1000.000	H	7.7	10.9	54.0

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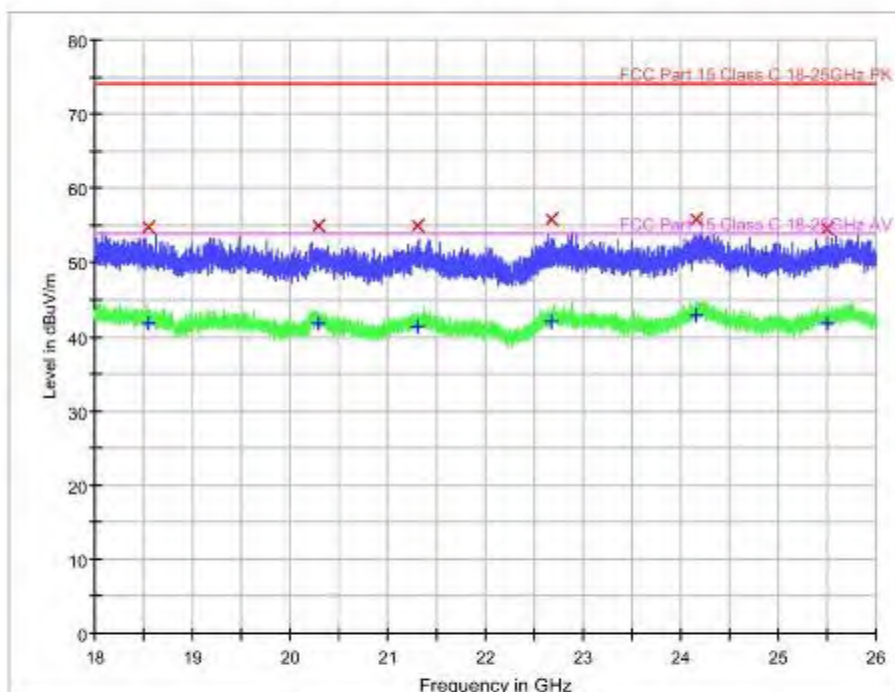
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical
Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18546.000000	54.8	1000.0	1000.000	V	8.1	19.2	74.0
20287.000000	54.9	1000.0	1000.000	V	7.6	19.1	74.0
21305.000000	55.0	1000.0	1000.000	V	7.2	19.0	74.0
22681.000000	55.8	1000.0	1000.000	V	7.4	18.3	74.0
24157.000000	55.7	1000.0	1000.000	V	7.8	18.3	74.0
25498.000000	54.6	1000.0	1000.000	V	7.0	19.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18546.000000	41.8	1000.0	1000.000	V	8.1	12.2	54.0
20287.000000	41.9	1000.0	1000.000	V	7.6	12.1	54.0
21305.000000	41.4	1000.0	1000.000	V	7.2	12.6	54.0
22681.000000	42.0	1000.0	1000.000	V	7.4	12.0	54.0
24157.000000	42.9	1000.0	1000.000	V	7.8	11.1	54.0
25498.000000	41.8	1000.0	1000.000	V	7.0	12.3	54.0

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EMC Test Service Hotline: +86-20-28391188

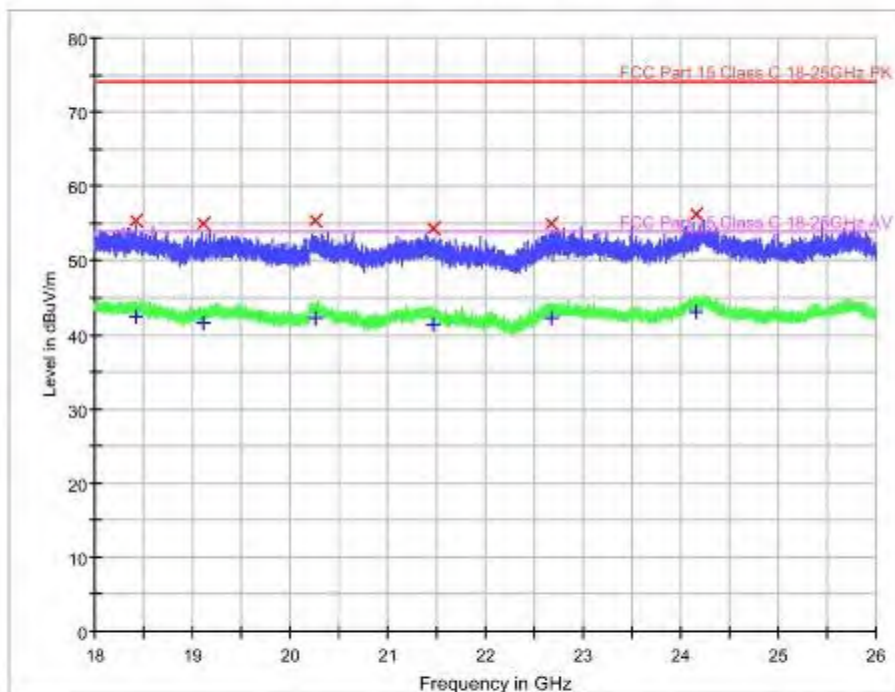
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18416.000000	55.4	1000.0	1000.000	H	8.1	18.6	74.0
19119.000000	55.0	1000.0	1000.000	H	7.9	19.0	74.0
20261.000000	55.3	1000.0	1000.000	H	7.6	18.7	74.0
21469.000000	54.3	1000.0	1000.000	H	7.1	19.7	74.0
22674.000000	55.1	1000.0	1000.000	H	7.4	18.9	74.0
24169.000000	56.1	1000.0	1000.000	H	7.7	17.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18416.000000	42.4	1000.0	1000.000	H	8.1	11.7	54.0
19119.000000	41.6	1000.0	1000.000	H	7.9	12.5	54.0
20261.000000	42.2	1000.0	1000.000	H	7.6	11.8	54.0
21469.000000	41.4	1000.0	1000.000	H	7.1	12.6	54.0
22674.000000	42.1	1000.0	1000.000	H	7.4	11.9	54.0
24169.000000	43.0	1000.0	1000.000	H	7.7	11.0	54.0

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EMC Test Service Hotline: +86-20-28391188

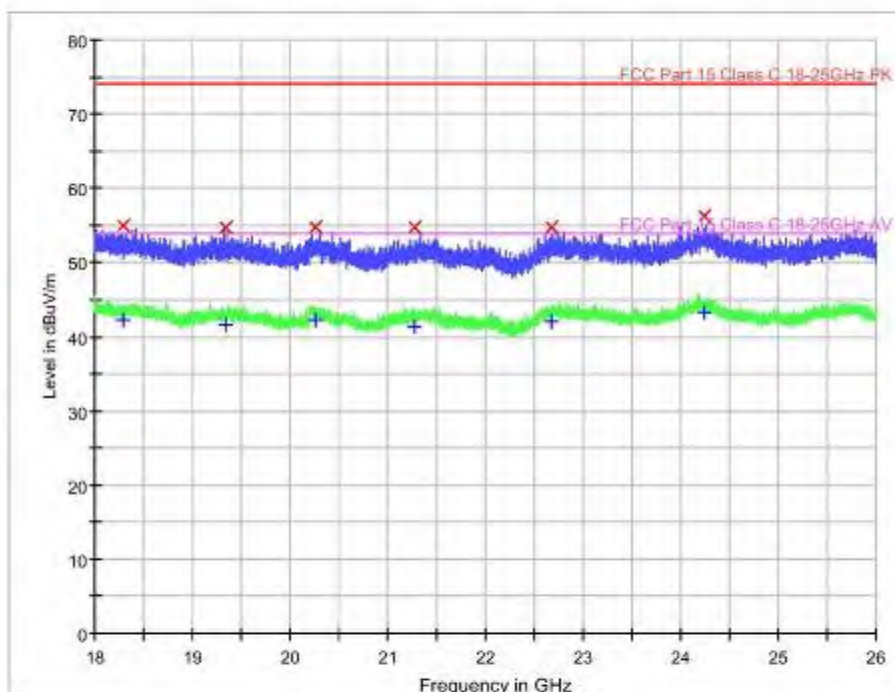
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(Middle)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical

Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18291.000000	54.9	1000.0	1000.000	V	8.0	19.1	74.0
19346.000000	54.8	1000.0	1000.000	V	7.9	19.3	74.0
20260.000000	54.8	1000.0	1000.000	V	7.6	19.2	74.0
21269.000000	54.7	1000.0	1000.000	V	7.2	19.4	74.0
22679.000000	54.8	1000.0	1000.000	V	7.4	19.2	74.0
24249.000000	56.2	1000.0	1000.000	V	7.7	17.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18291.000000	42.2	1000.0	1000.000	V	8.0	11.9	54.0
19346.000000	41.6	1000.0	1000.000	V	7.9	12.4	54.0
20260.000000	42.2	1000.0	1000.000	V	7.6	11.9	54.0
21269.000000	41.4	1000.0	1000.000	V	7.2	12.6	54.0
22679.000000	42.1	1000.0	1000.000	V	7.4	11.9	54.0
24249.000000	43.3	1000.0	1000.000	V	7.7	10.7	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

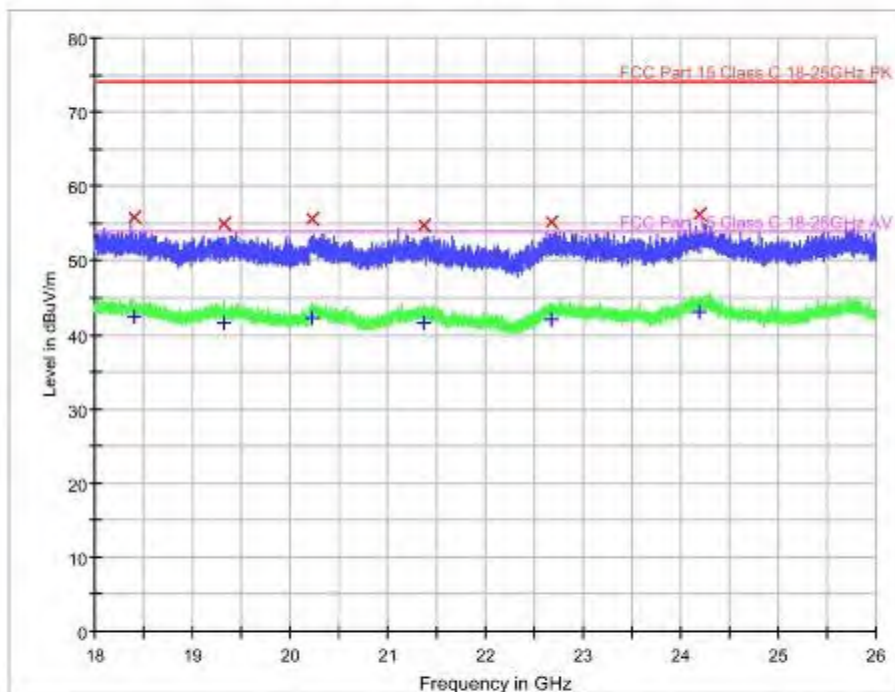
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FC95
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18400.000000	55.8	1000.0	1000.000	H	8.1	18.2	74.0
19323.000000	55.0	1000.0	1000.000	H	7.9	19.0	74.0
20228.000000	55.7	1000.0	1000.000	H	7.7	18.3	74.0
21370.000000	54.7	1000.0	1000.000	H	7.2	19.4	74.0
22670.000000	55.1	1000.0	1000.000	H	7.3	18.9	74.0
24194.000000	56.3	1000.0	1000.000	H	7.7	17.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18400.000000	42.4	1000.0	1000.000	H	8.1	11.6	54.0
19323.000000	41.6	1000.0	1000.000	H	7.9	12.4	54.0
20228.000000	42.3	1000.0	1000.000	H	7.7	11.7	54.0
21370.000000	41.6	1000.0	1000.000	H	7.2	12.4	54.0
22670.000000	42.1	1000.0	1000.000	H	7.3	11.9	54.0
24194.000000	43.1	1000.0	1000.000	H	7.7	10.9	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

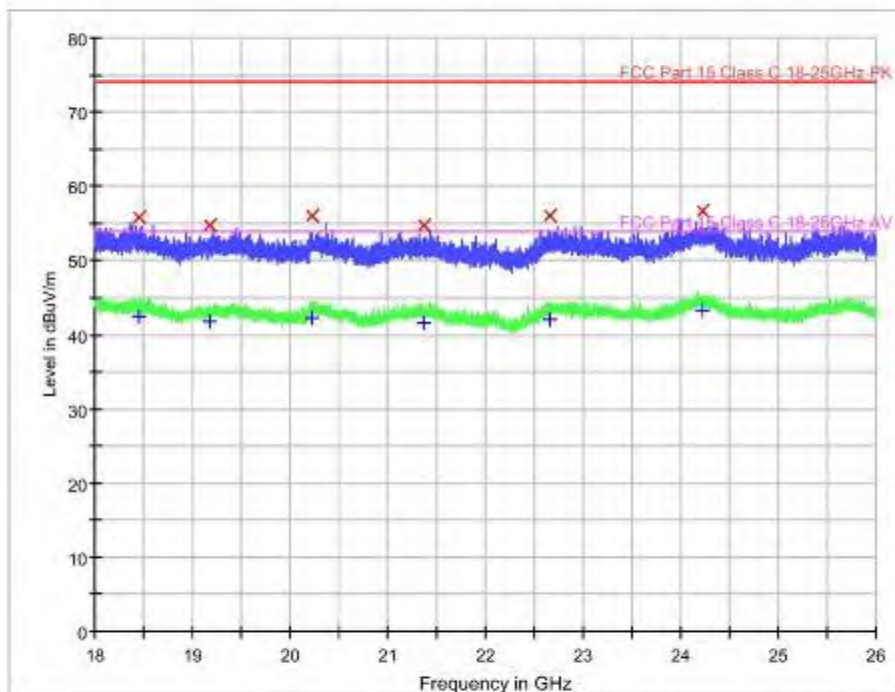
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FCR-50
Test Standard:	FCC Part 15C
Test Detail:	Radiated Emission
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical

Subrange 1	
Frequency Range:	18GHz-26GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC Horn 3160-09

EMCTT_ERE011-A02-08_18GHz-25GHz_With PreAMP EXT



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
18447.000000	55.9	1000.0	1000.000	V	8.1	18.1	74.0
19185.000000	54.8	1000.0	1000.000	V	7.9	19.2	74.0
20230.000000	56.0	1000.0	1000.000	V	7.7	18.0	74.0
21365.000000	54.7	1000.0	1000.000	V	7.2	19.3	74.0
22669.000000	55.9	1000.0	1000.000	V	7.3	18.1	74.0
24225.000000	56.7	1000.0	1000.000	V	7.7	17.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
18447.000000	42.4	1000.0	1000.000	V	8.1	11.6	54.0
19185.000000	41.8	1000.0	1000.000	V	7.9	12.2	54.0
20230.000000	42.3	1000.0	1000.000	V	7.7	11.7	54.0
21365.000000	41.7	1000.0	1000.000	V	7.2	12.3	54.0
22669.000000	42.1	1000.0	1000.000	V	7.3	11.9	54.0
24225.000000	43.3	1000.0	1000.000	V	7.7	10.7	54.0

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Band Edge-BLE

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

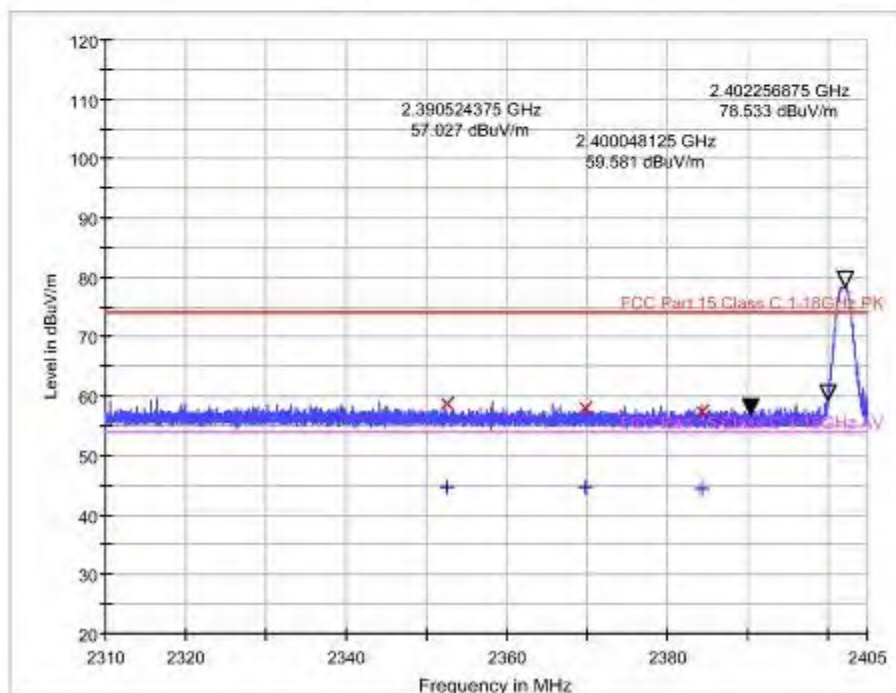
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FCR-50
Test Standard:	FCC Part 15C
Test Detail:	Band edge
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFD11-A02-04_1GHz-18GHz



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
2352.520000	58.7	1000.0	1000.000	H	32.2	15.3	74.0
2369.920000	57.9	1000.0	1000.000	H	32.3	16.1	74.0
2384.320000	57.5	1000.0	1000.000	H	32.3	16.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2352.520000	44.8	1000.0	1000.000	H	32.2	9.2	54.0
2369.920000	44.7	1000.0	1000.000	H	32.3	9.3	54.0
2384.320000	44.5	1000.0	1000.000	H	32.3	9.5	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

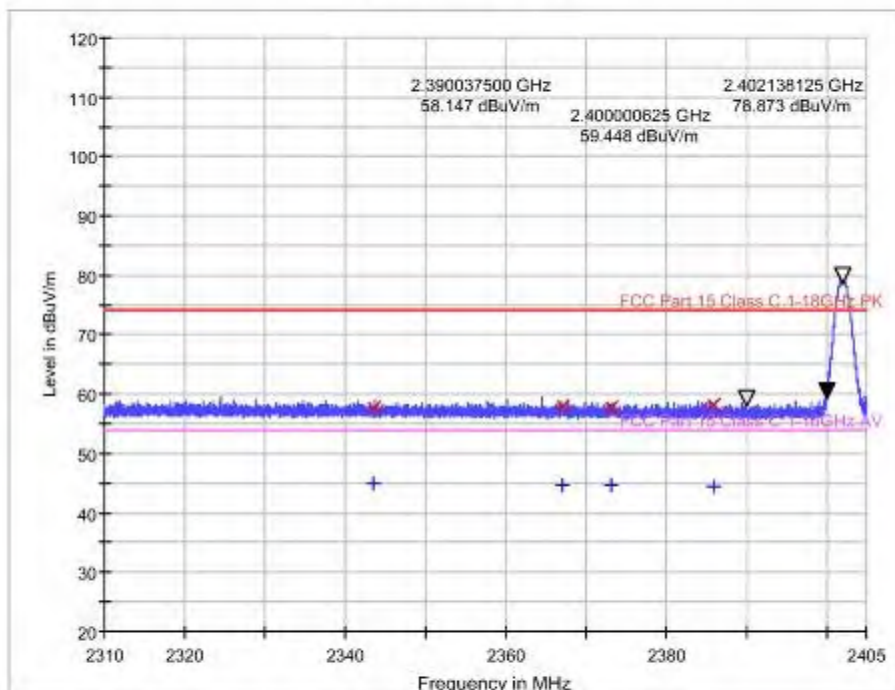
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FCR-50
Test Standard:	FCC Part 15C
Test Detail:	Band edge
Operation Mode:	Transmitting(Low)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-04_1GHz-18GHz



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
2343.640000	57.8	1000.0	1000.000	V	32.2	16.2	74.0
2367.040000	57.9	1000.0	1000.000	V	32.3	16.1	74.0
2373.280000	57.8	1000.0	1000.000	V	32.3	16.2	74.0
2386.000000	58.2	1000.0	1000.000	V	32.3	15.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2343.640000	44.8	1000.0	1000.000	V	32.2	9.2	54.0
2367.040000	44.7	1000.0	1000.000	V	32.3	9.3	54.0
2373.280000	44.6	1000.0	1000.000	V	32.3	9.4	54.0
2386.000000	44.5	1000.0	1000.000	V	32.3	9.5	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

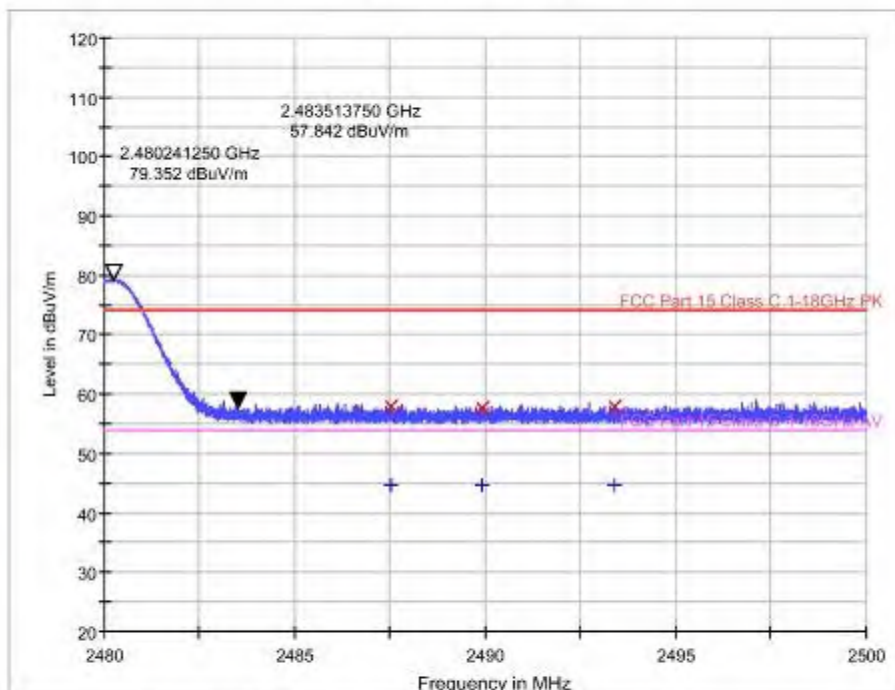
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FCR-50
Test Standard:	FCC Part 15C
Test Detail:	Band edge
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Horizontal

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-04_1GHz-18GHz



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
2487.520000	57.9	1000.0	1000.000	H	32.6	16.1	74.0
2489.920000	57.6	1000.0	1000.000	H	32.6	16.4	74.0
2493.400000	57.9	1000.0	1000.000	H	32.6	16.1	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2487.520000	44.6	1000.0	1000.000	H	32.6	9.4	54.0
2489.920000	44.6	1000.0	1000.000	H	32.6	9.4	54.0
2493.400000	44.6	1000.0	1000.000	H	32.6	9.4	54.0

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

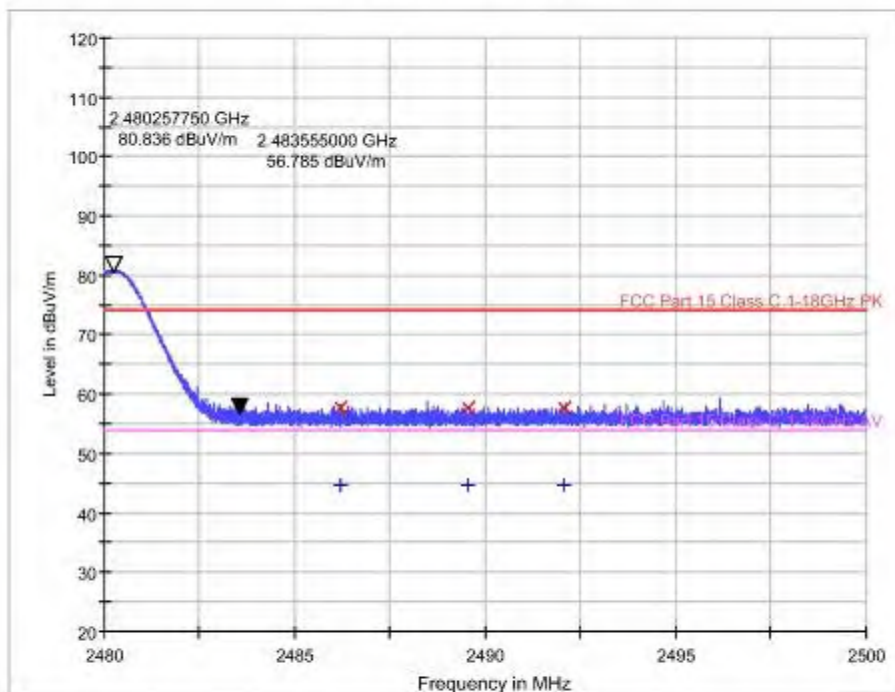
EMC Test Record (Emission)

Common Information

Manufacturer:	JG
Test Item:	Cooler
Identification:	FCR-50
Test Standard:	FCC Part 15C
Test Detail:	Band edge
Operation Mode:	Transmitting(High)
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq:	DC 24V
Receipt No:	170273663
Report No:	/
Result:	Pass
Comment:	Test distance is 3m; Vertical

Subrange 1	
Frequency Range:	1GHz-18GHz
Receiver:	TUV FSP30
Transducer:	TUV SAC HF907

EMCTT_EREFO11-A02-04_1GHz-18GHz



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)
2486.200000	57.8	1000.0	1000.000	V	32.6	16.2	74.0
2489.560000	57.7	1000.0	1000.000	V	32.6	16.3	74.0
2492.080000	57.7	1000.0	1000.000	V	32.6	16.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2486.200000	44.6	1000.0	1000.000	V	32.6	9.5	54.0
2489.560000	44.6	1000.0	1000.000	V	32.6	9.4	54.0
2492.080000	44.6	1000.0	1000.000	V	32.6	9.4	54.0

Prüfbericht - Nr.:

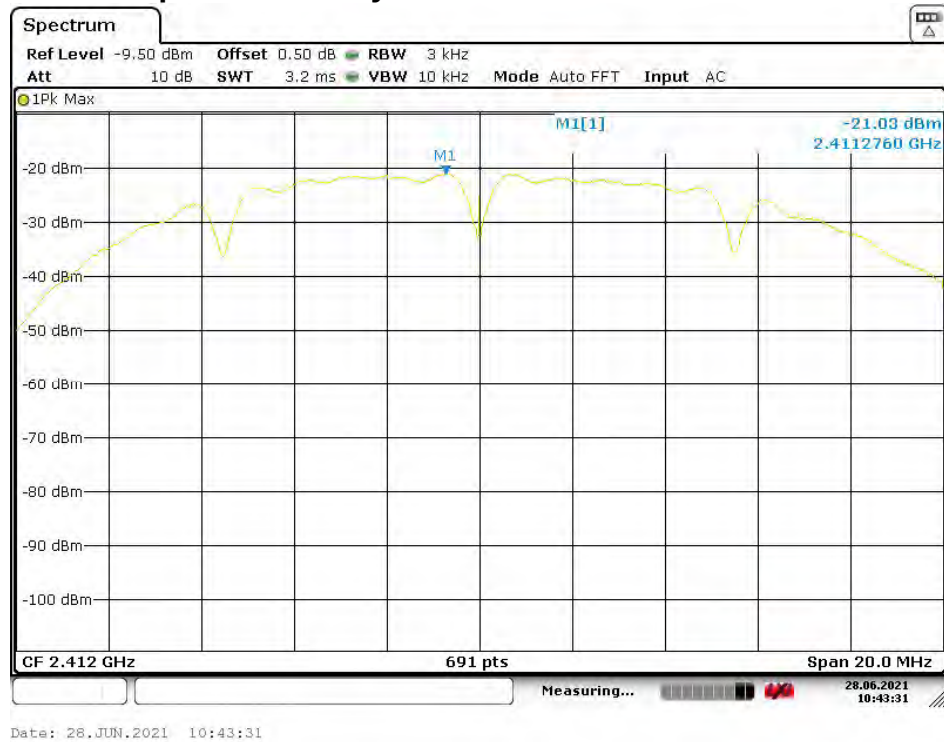
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Test Report No.

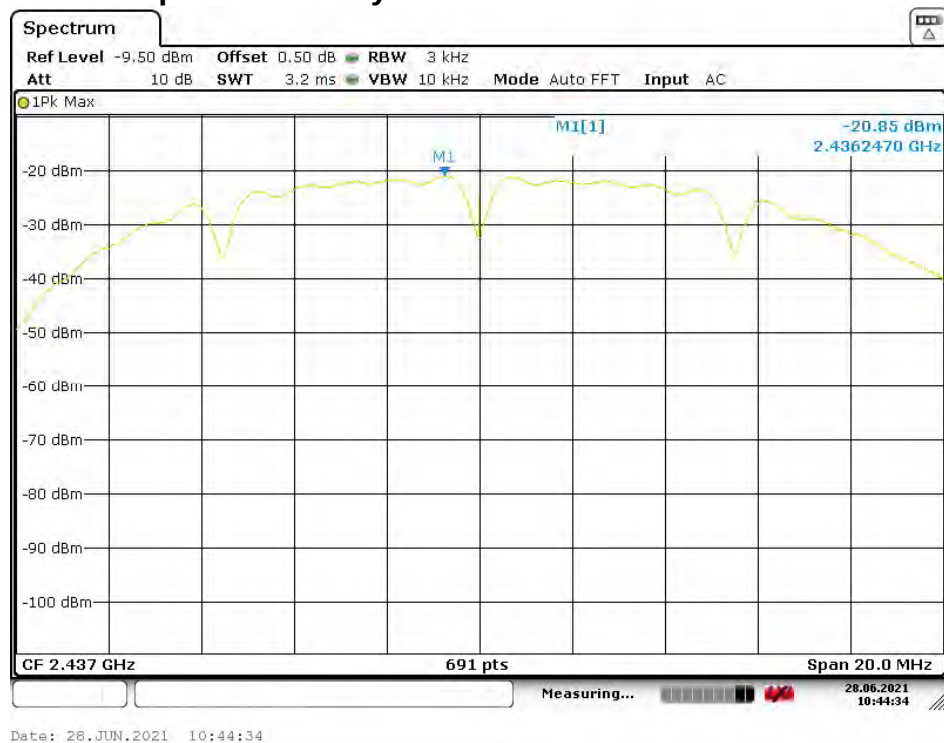
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Conducted Power Spectral Density–802.11b-L Channel



Conducted Power Spectral Density–802.11b-M Channel

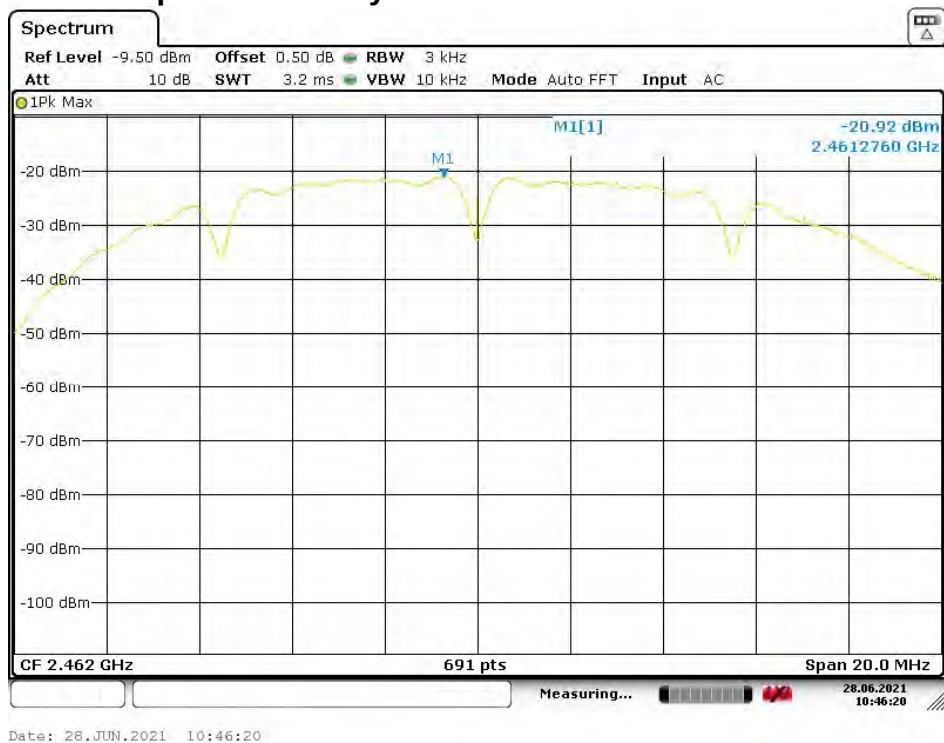


Prüfbericht - Nr.:
Test Report No.

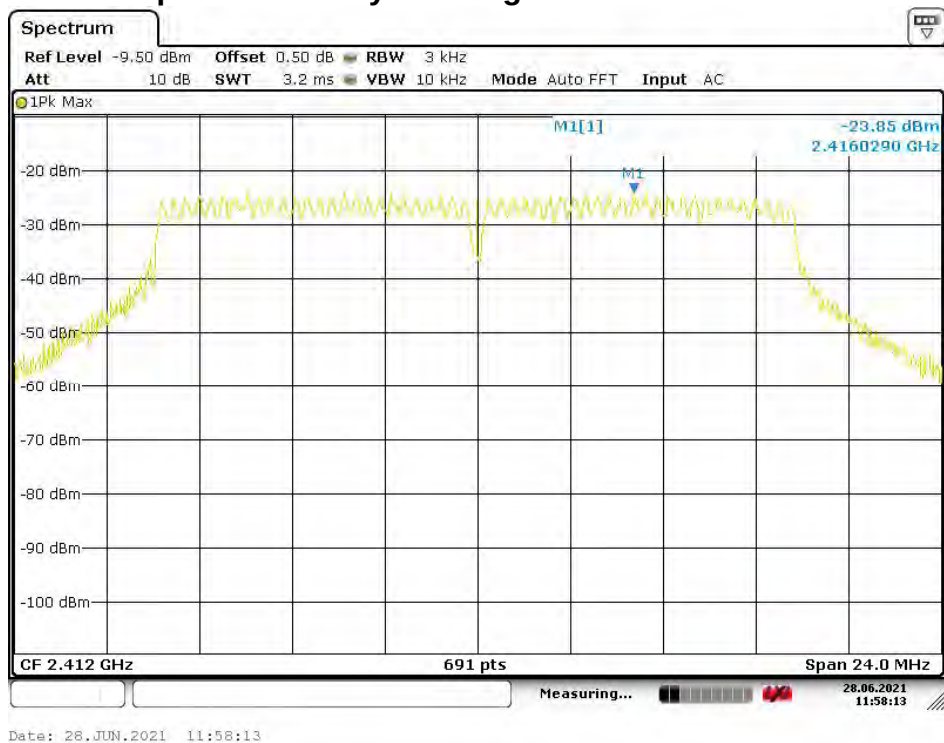
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Conducted Power Spectral Density–802.11b-H Channel



Conducted Power Spectral Density–802.11g-L Channel



Prüfbericht - Nr.:

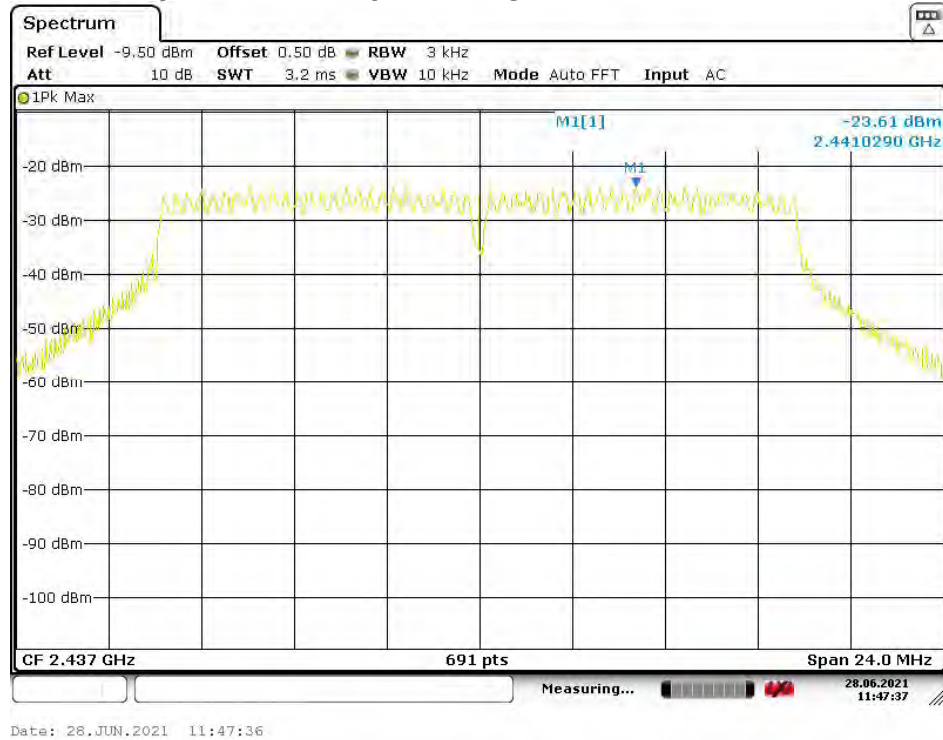
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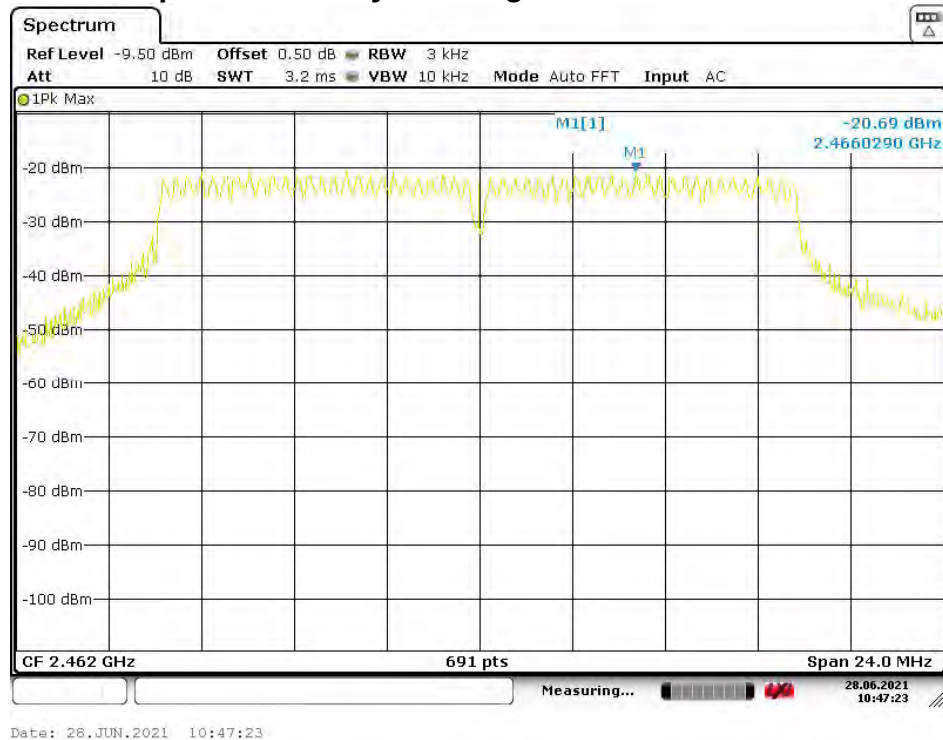
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Conducted Power Spectral Density–802.11g-M Channel



Conducted Power Spectral Density–802.11g-H Channel



Prüfbericht - Nr.:

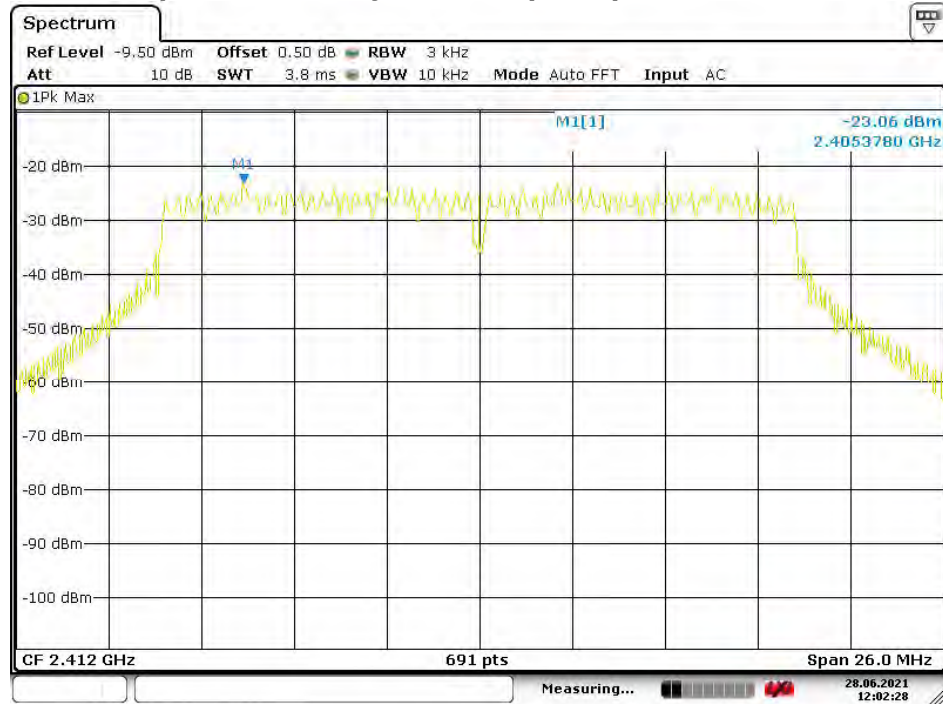
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Test Report No.

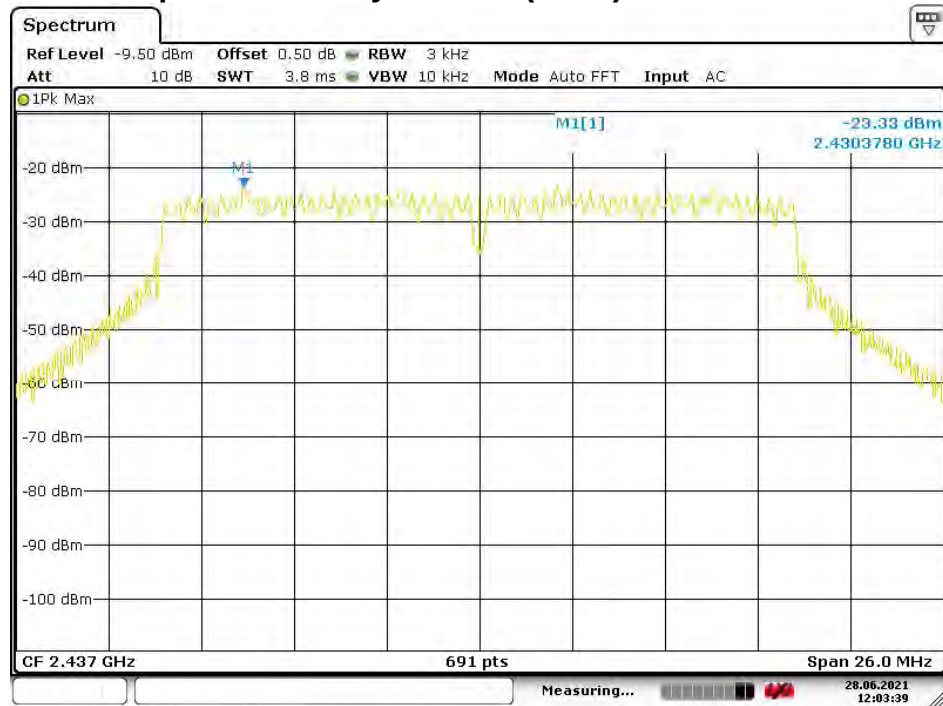
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Conducted Power Spectral Density–802.11n(HT20)-L Channel



Conducted Power Spectral Density–802.11n(HT20)-M Channel



Prüfbericht - Nr.:

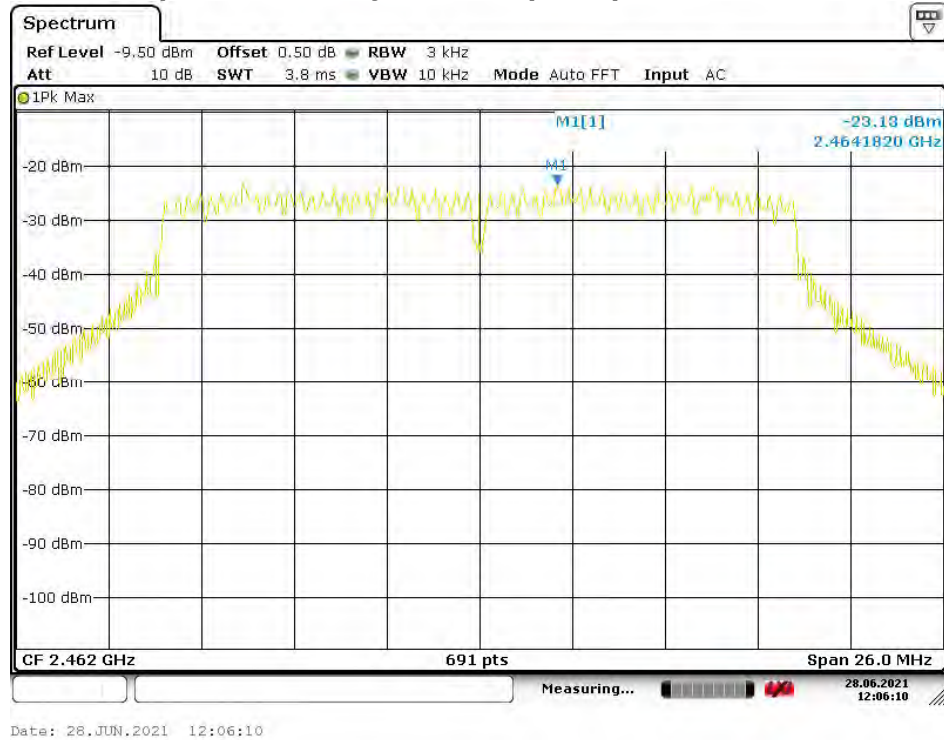
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Conducted Power Spectral Density–802.11n(HT20)-H Channel



Conducted Power Spectral Density–802.11n(HT40)-L Channel



Prüfbericht - Nr.:

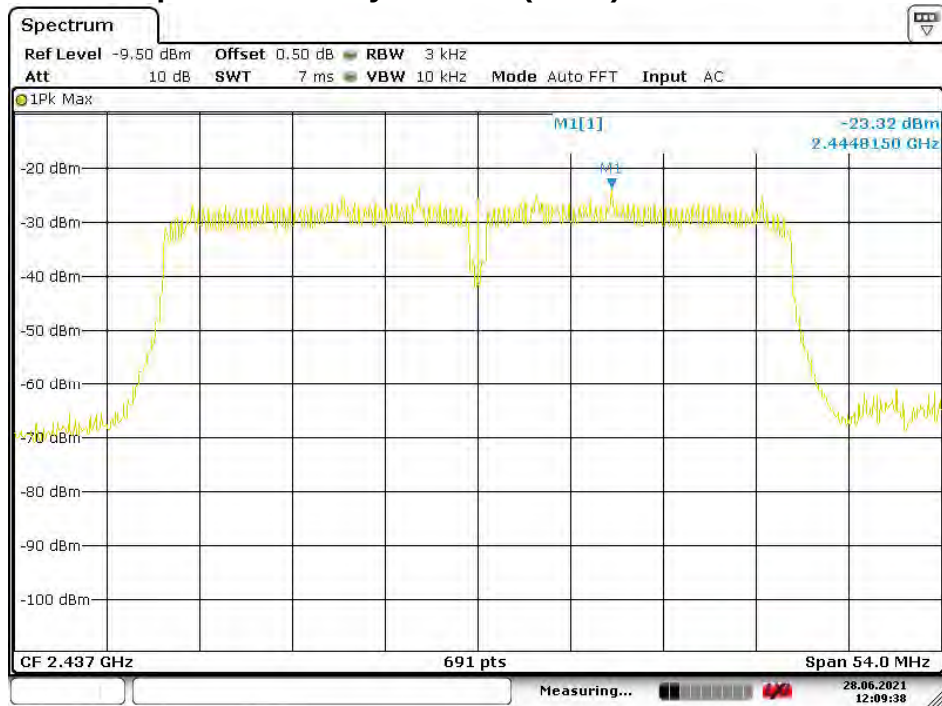
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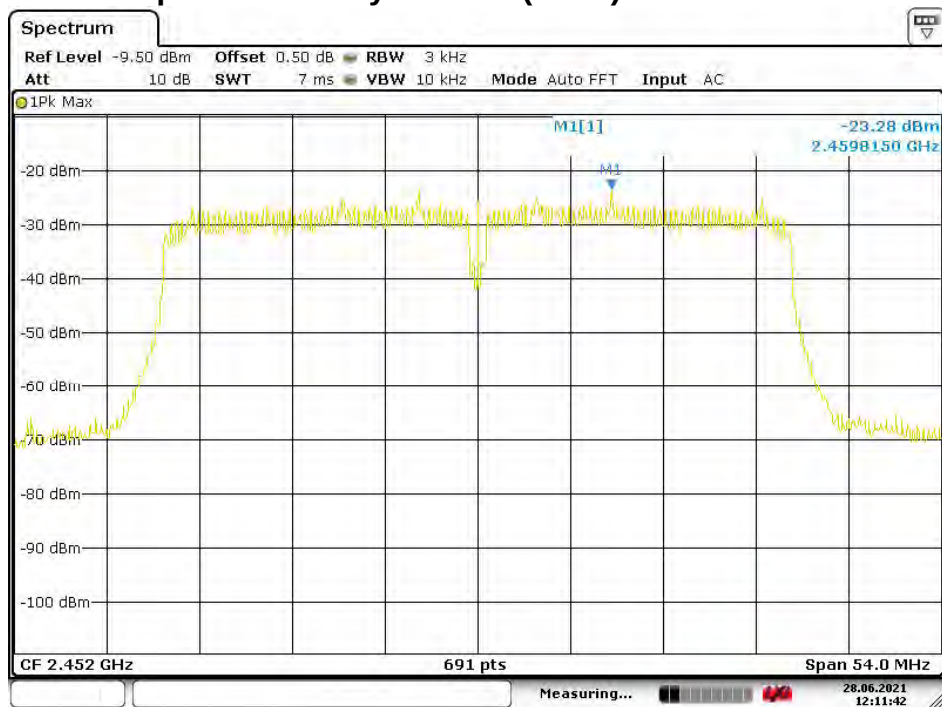
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Conducted Power Spectral Density–802.11n(HT40)-M Channel



Date: 28.JUN.2021 12:09:38

Conducted Power Spectral Density–802.11n(HT40)-H Channel



Date: 28.JUN.2021 12:11:41

Prüfbericht - Nr.:

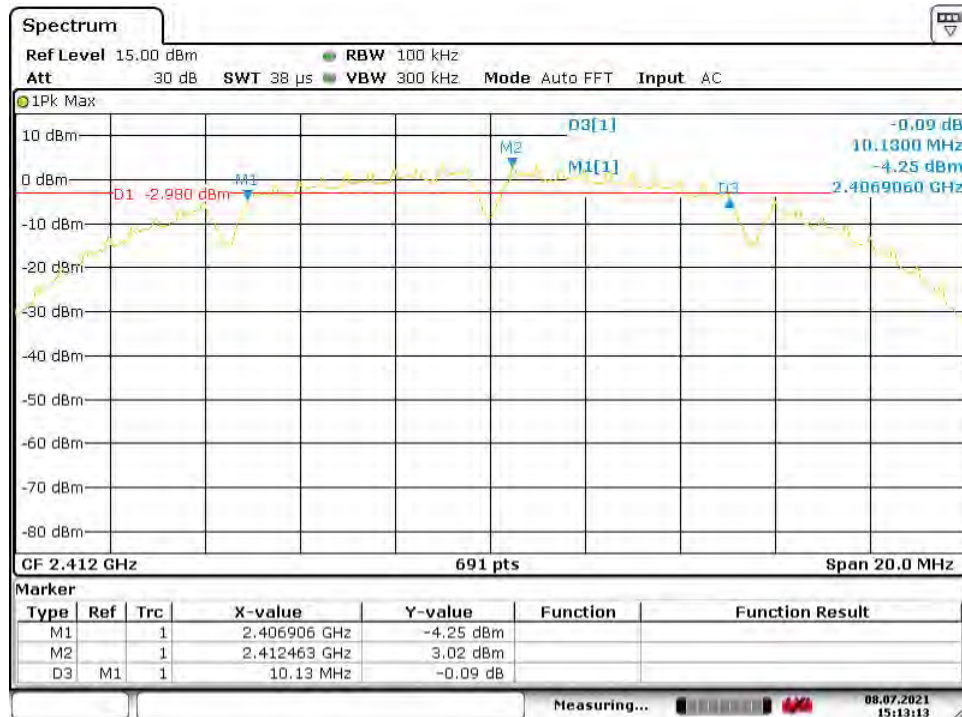
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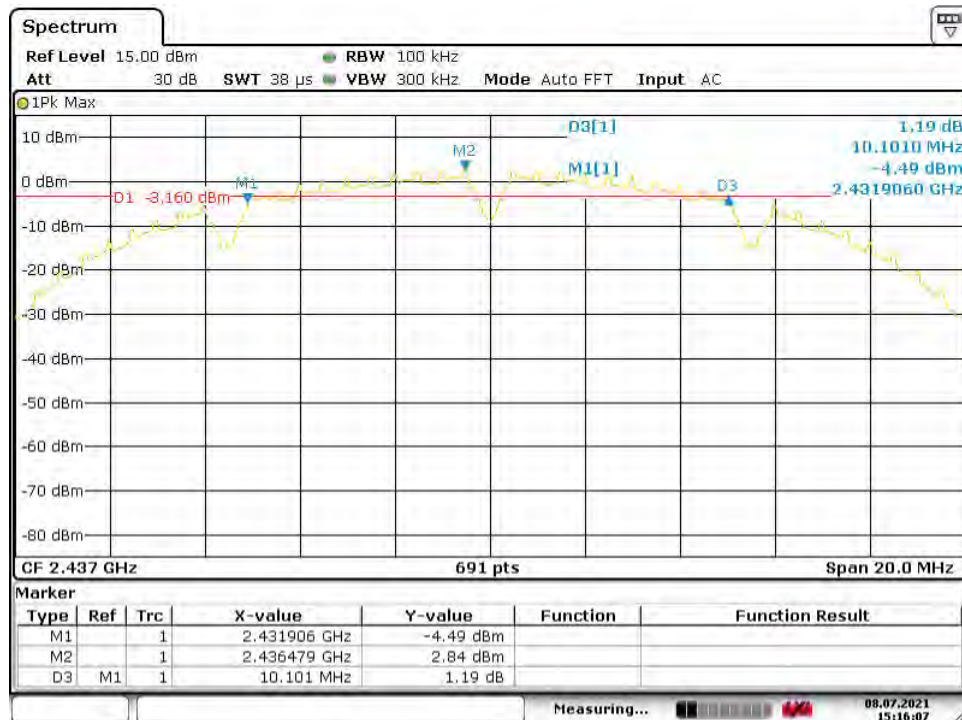
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-6dB Bandwidth-802.11b-L Channel



-6dB Bandwidth-802.11b-M Channel



Prüfbericht - Nr.:

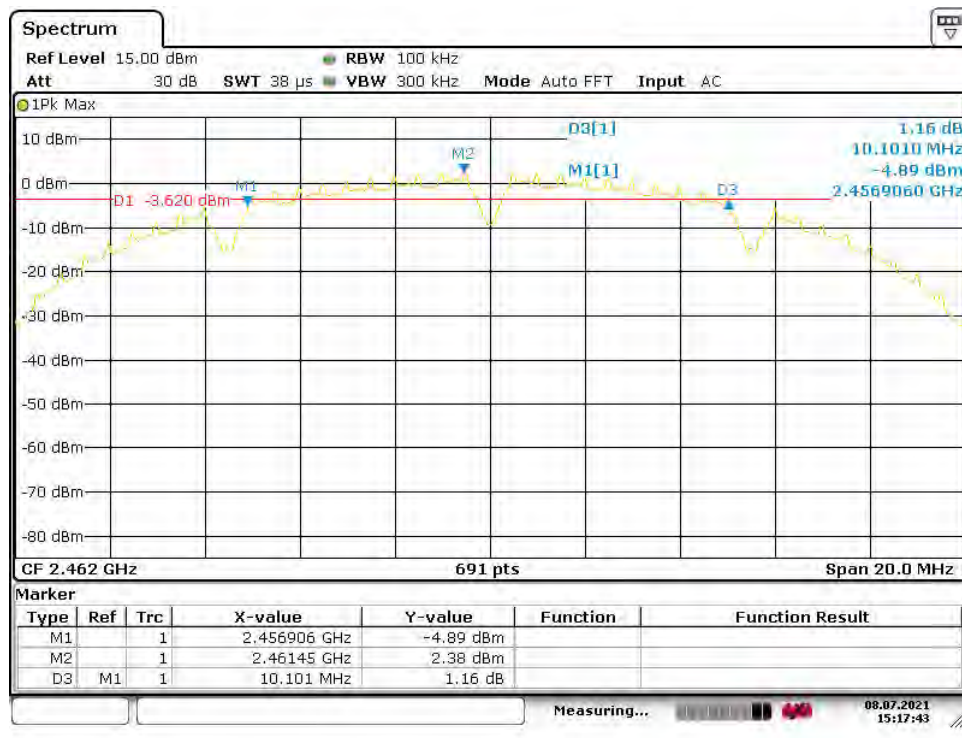
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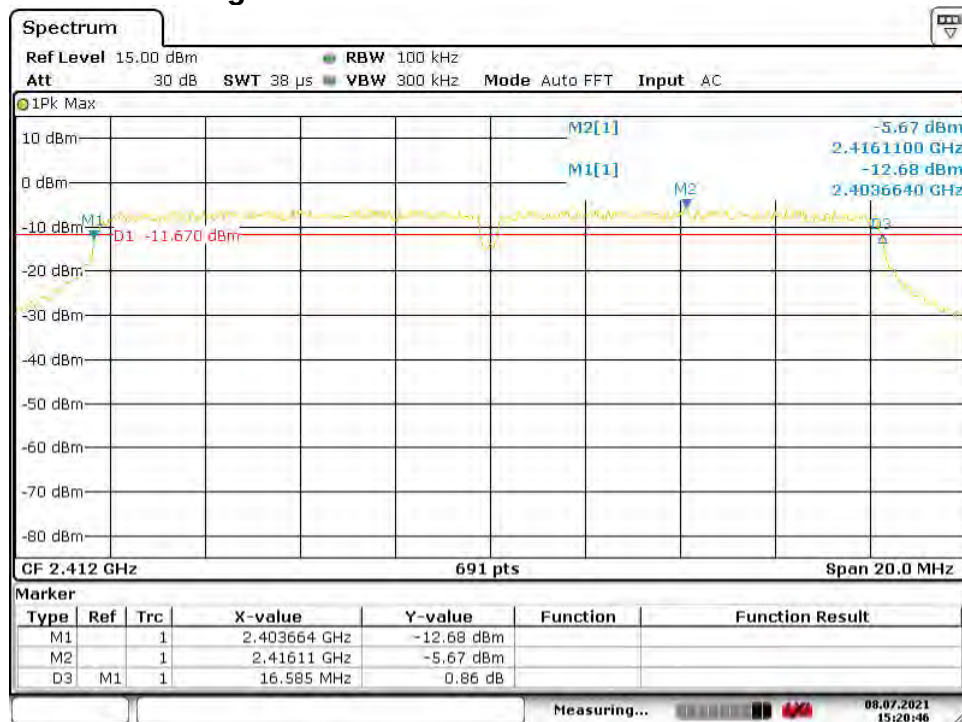
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-6dB Bandwidth-802.11b-H Channel



-6dB Bandwidth-802.11g-L Channel



Prüfbericht - Nr.:

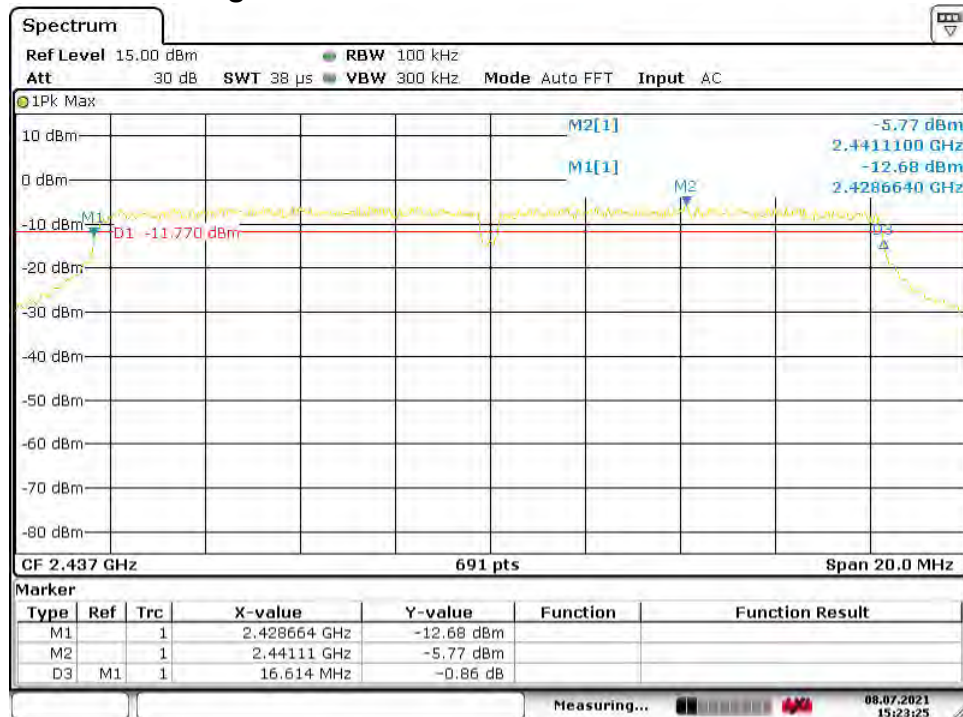
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Test Report No.

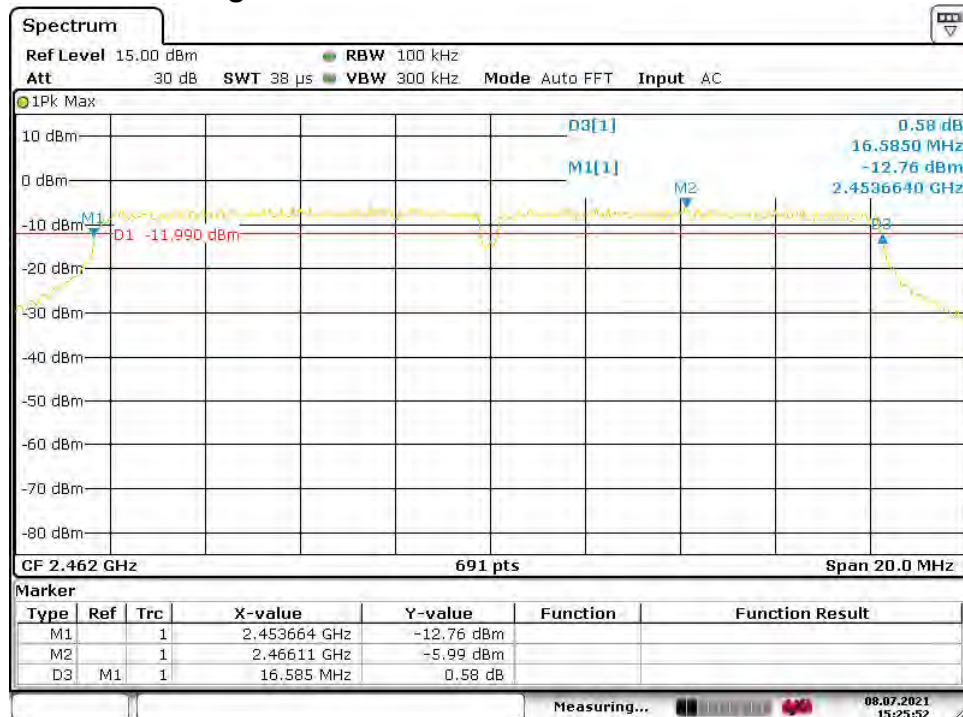
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-6dB Bandwidth-802.11g-M Channel



-6dB Bandwidth-802.11g-H Channel



Prüfbericht - Nr.:

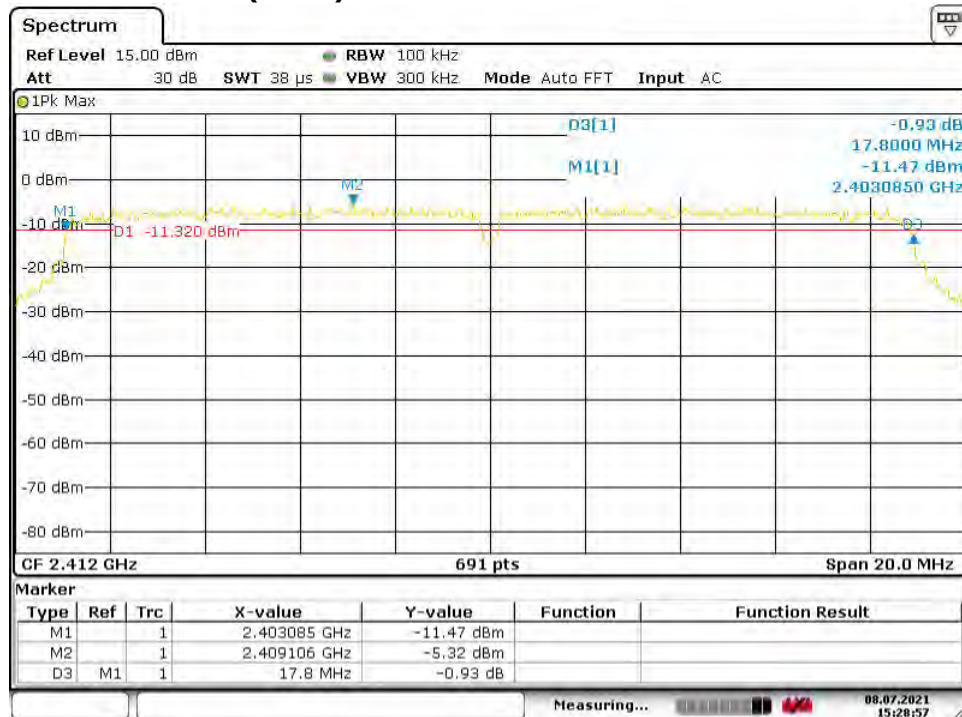
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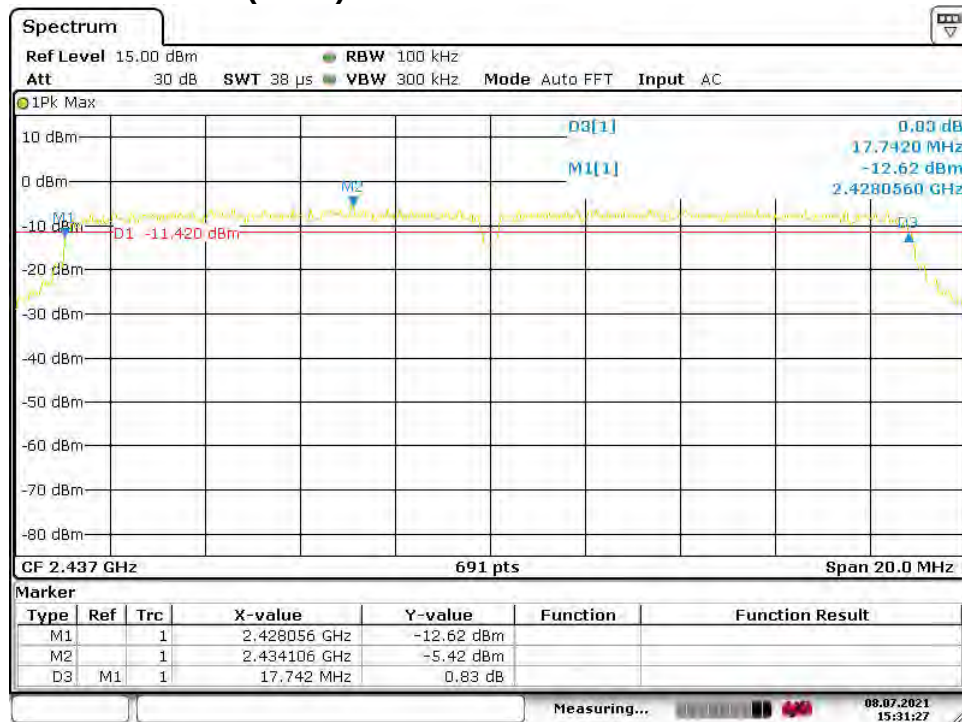
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-6dB Bandwidth-802.11n(HT20)-L Channel



-6dB Bandwidth-802.11n(HT20)-M Channel



Prüfbericht - Nr.:

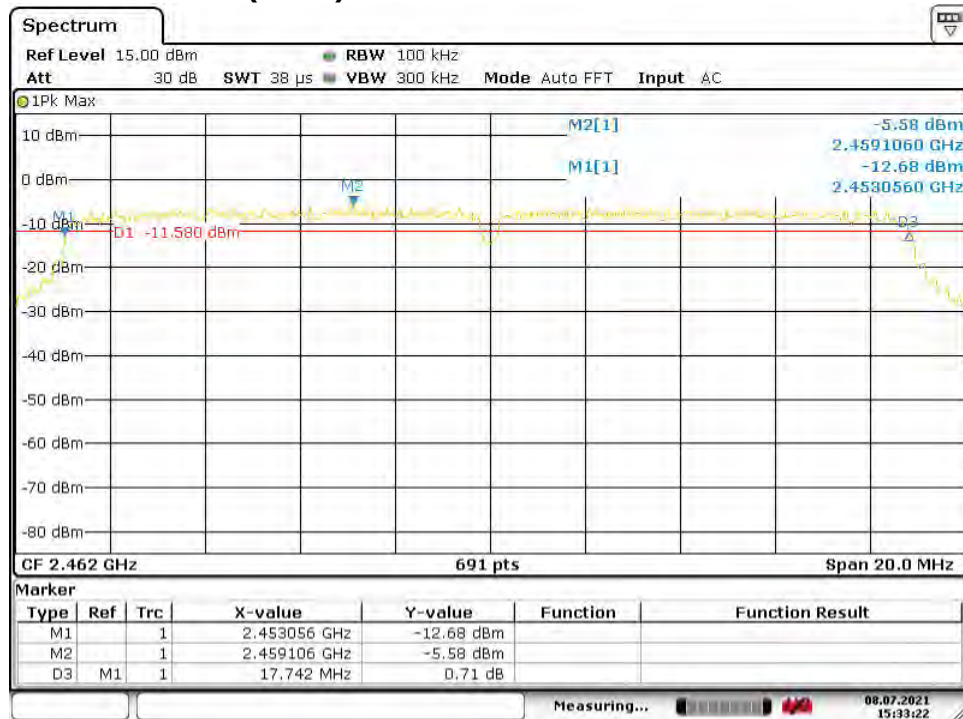
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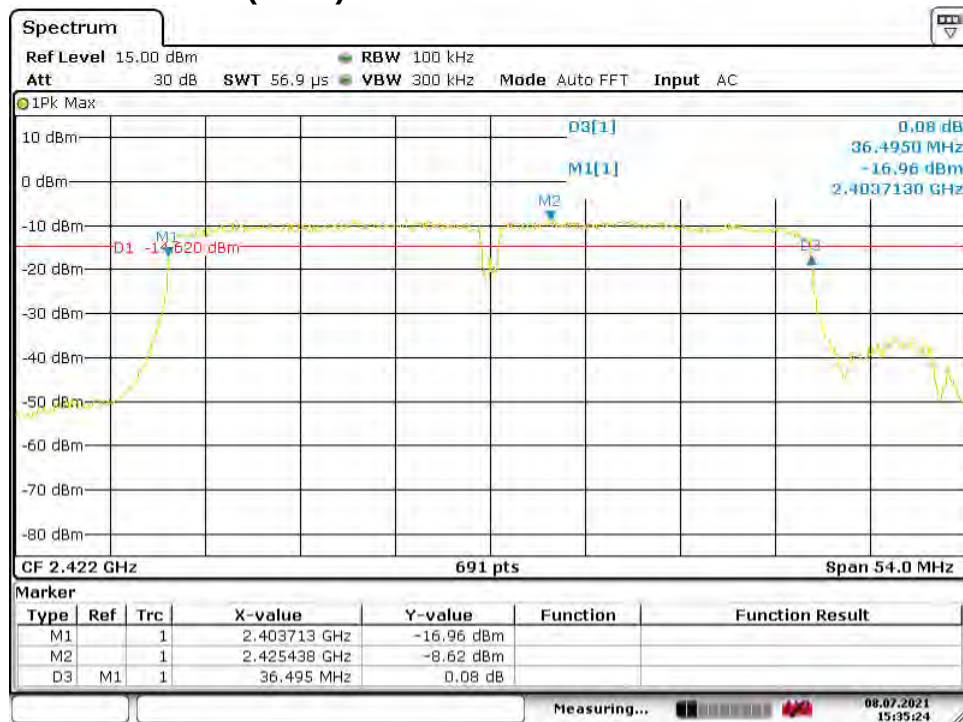
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-6dB Bandwidth-802.11n(HT20)-H Channel



-6dB Bandwidth-802.11n(HT40)-L Channel



Prüfbericht - Nr.:

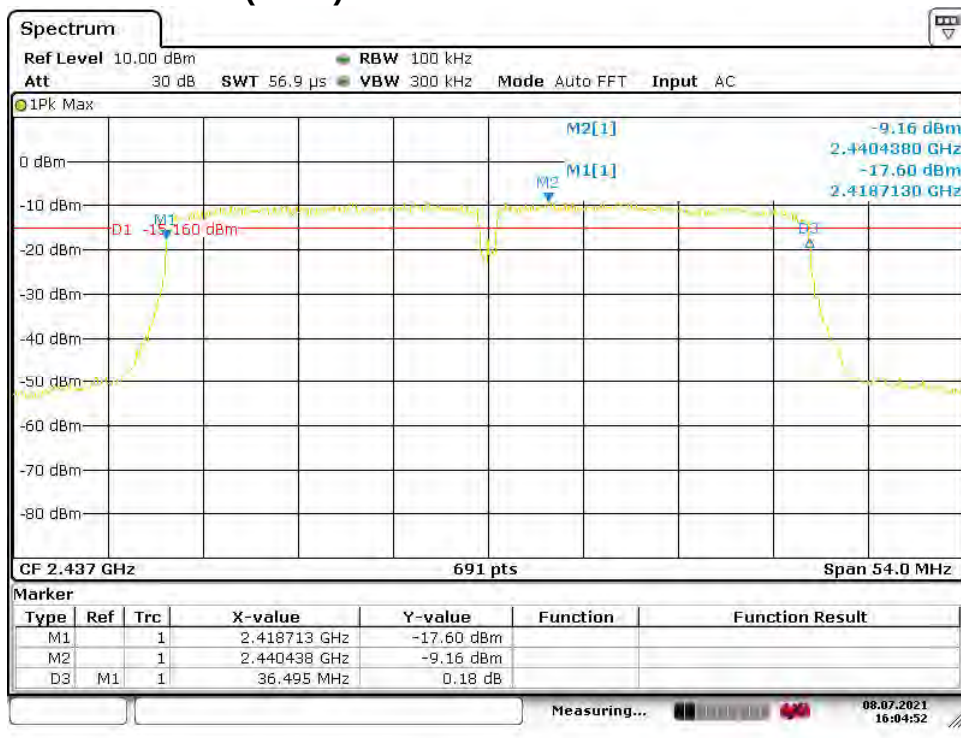
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Test Report No.

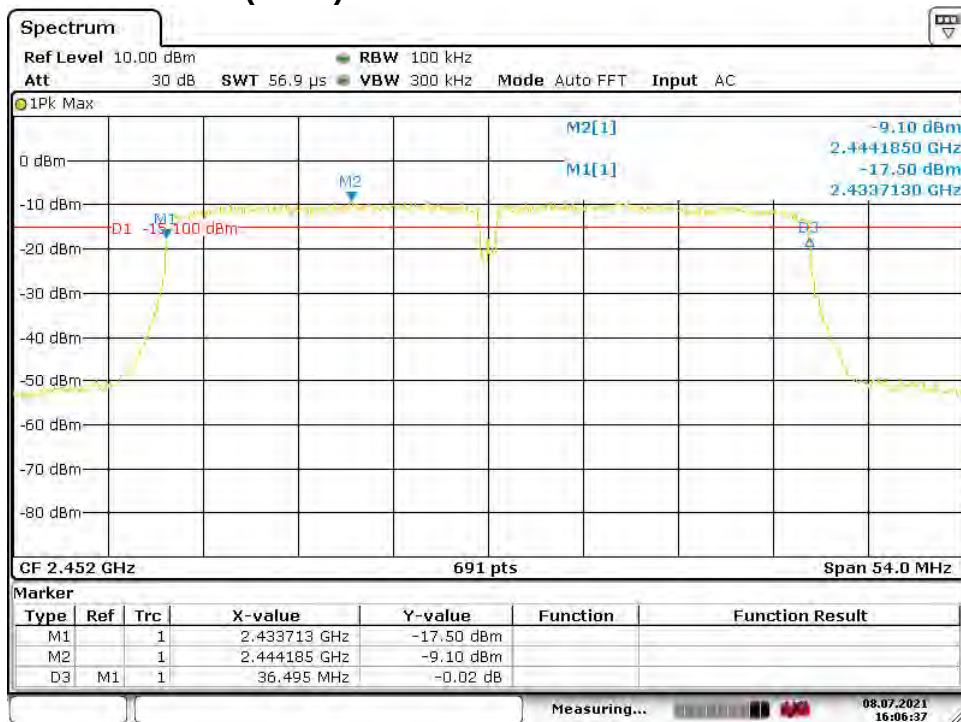
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-6dB Bandwidth-802.11n(HT40)-M Channel



-6dB Bandwidth-802.11n(HT40)-H Channel



Prüfbericht - Nr.:

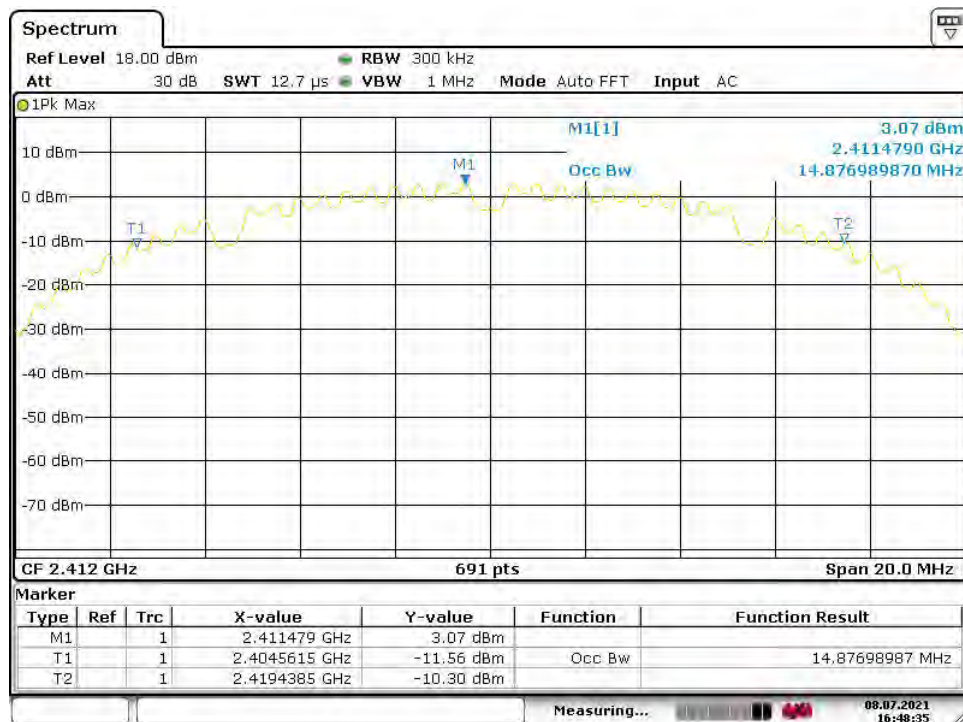
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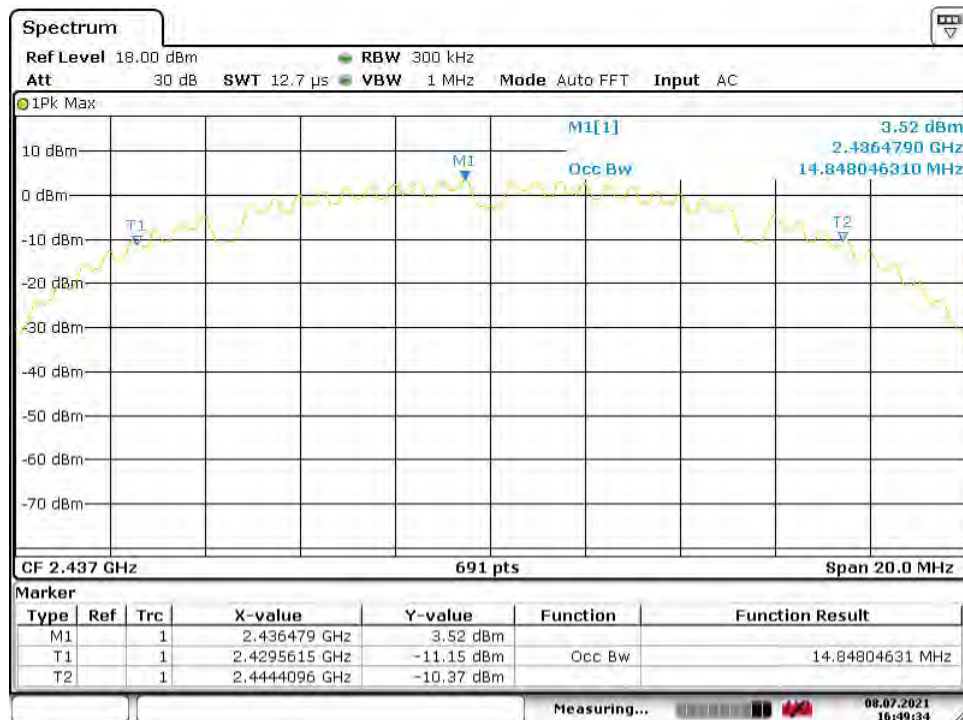
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99% Bandwidth-802.11b-L Channel



99% Bandwidth-802.11b-M Channel



Prüfbericht - Nr.:

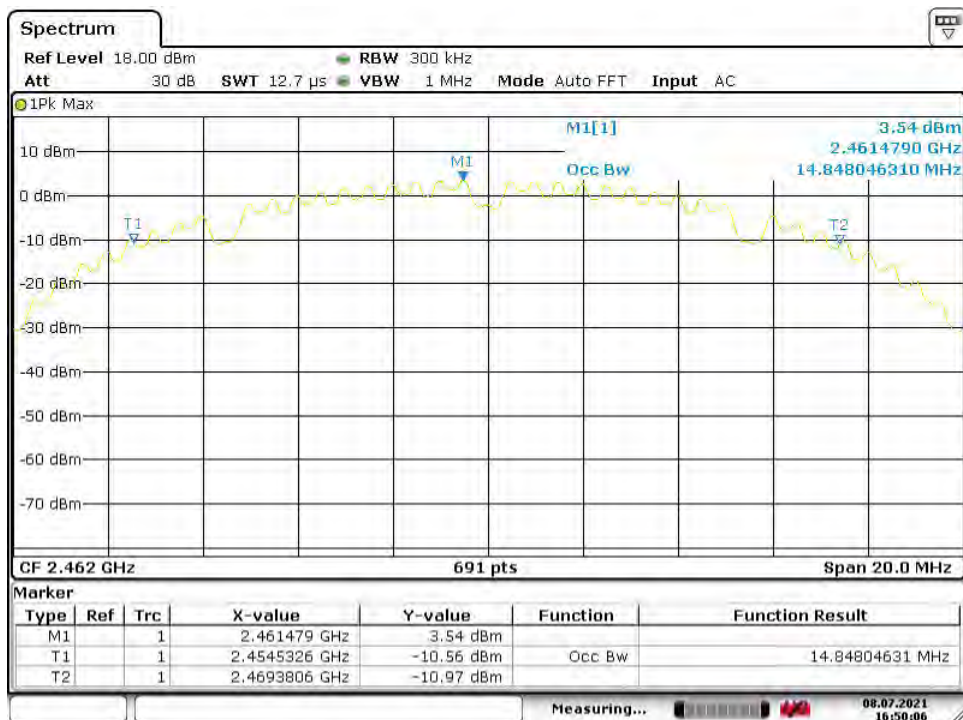
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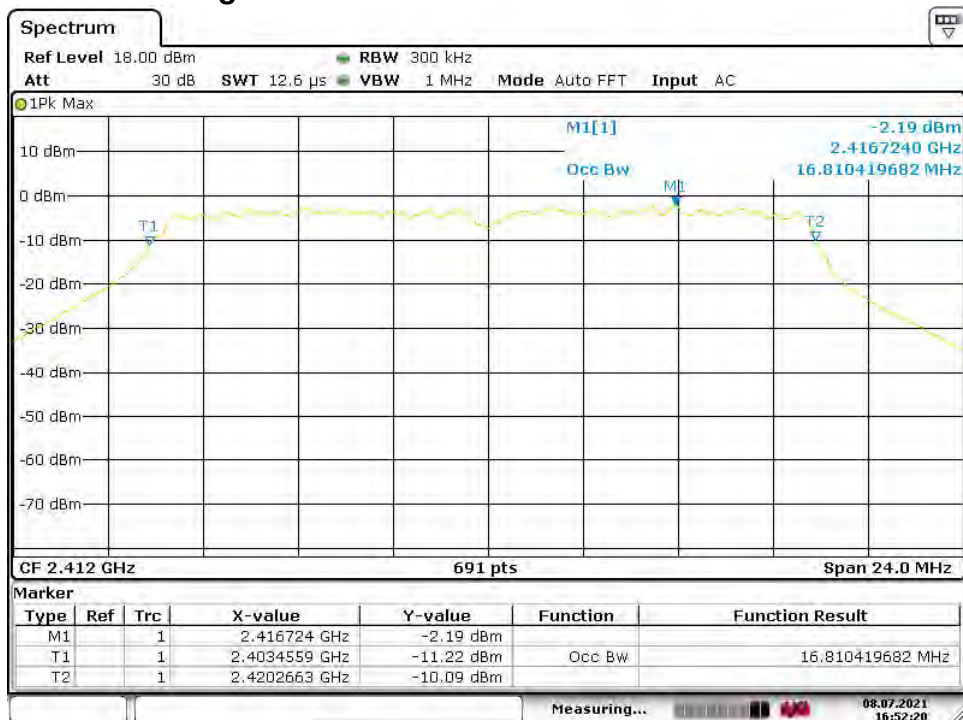
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99% Bandwidth-802.11b-H Channel



99% Bandwidth-802.11g-L Channel



Prüfbericht - Nr.:

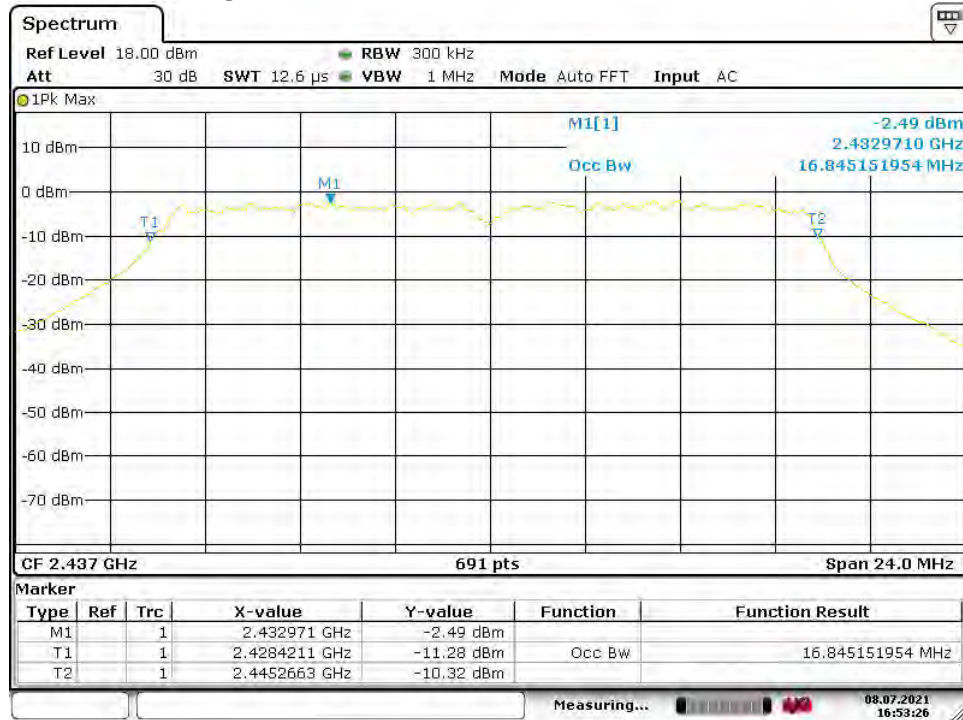
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Test Report No.

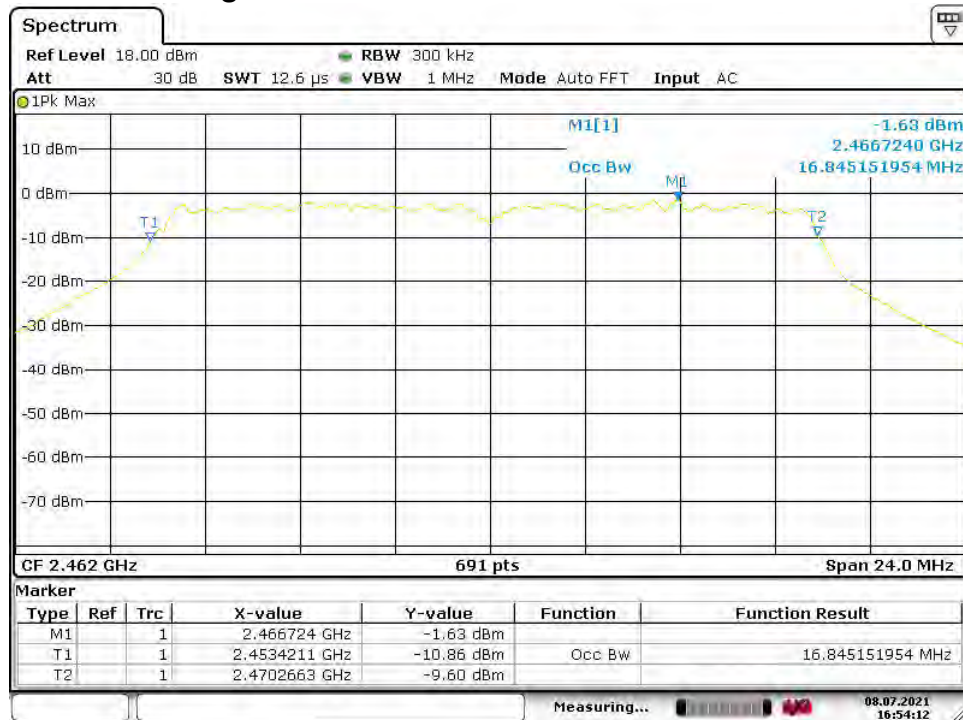
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99% Bandwidth-802.11g-M Channel



99% Bandwidth-802.11g-H Channel



Prüfbericht - Nr.:

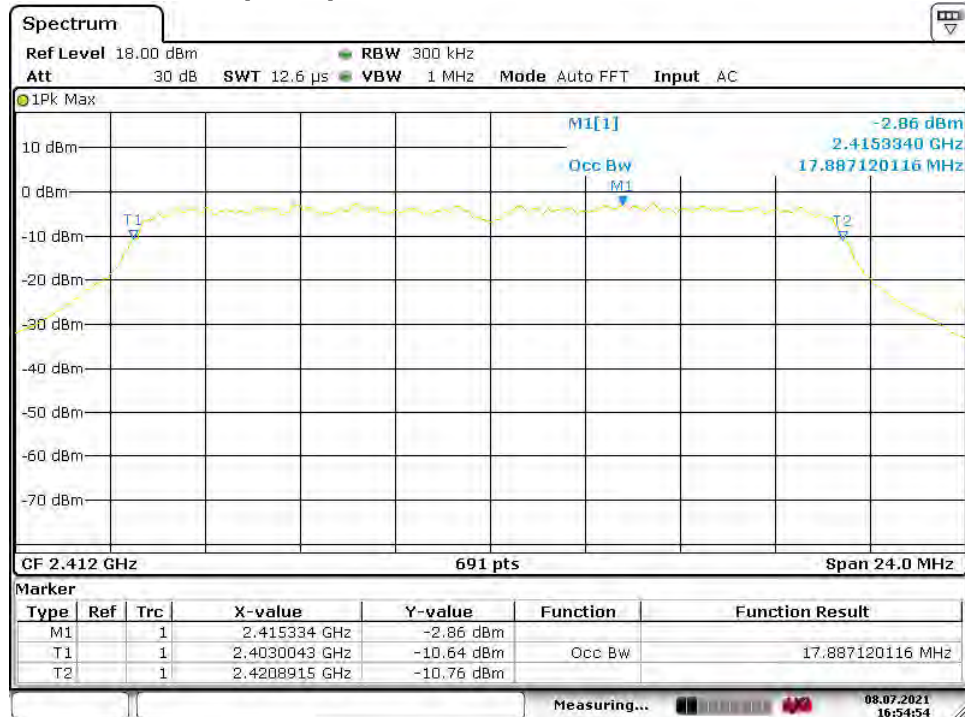
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Test Report No.

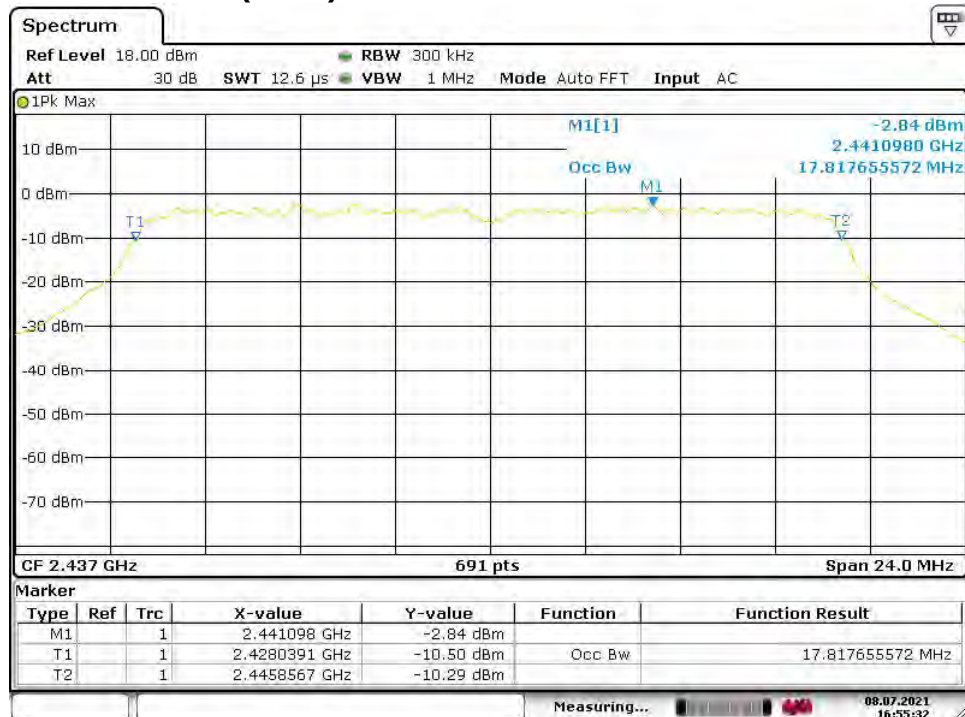
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99% Bandwidth-802.11n(HT20)-L Channel



99% Bandwidth-802.11n(HT20)-M Channel



Prüfbericht - Nr.:

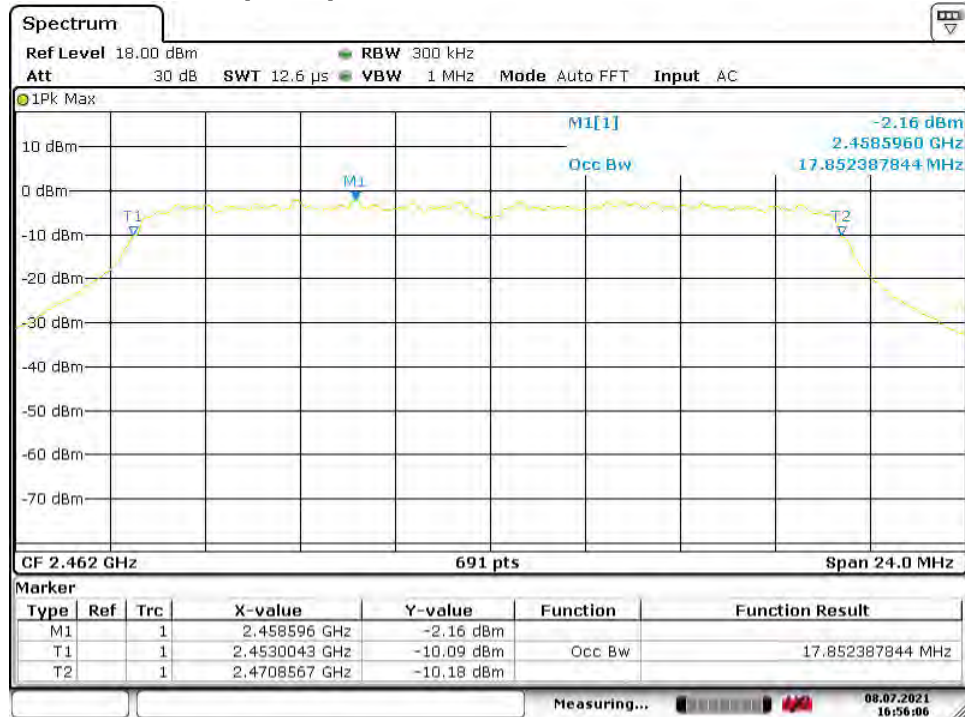
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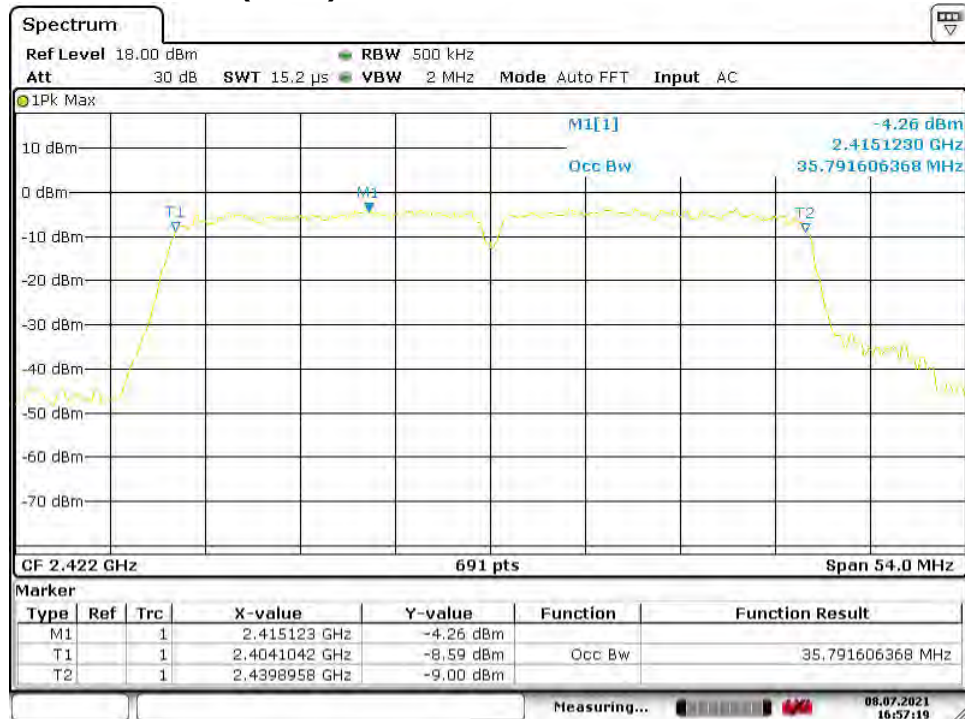
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99% Bandwidth-802.11n(HT20)-H Channel



99% Bandwidth-802.11n(HT40)-L Channel



Prüfbericht - Nr.:

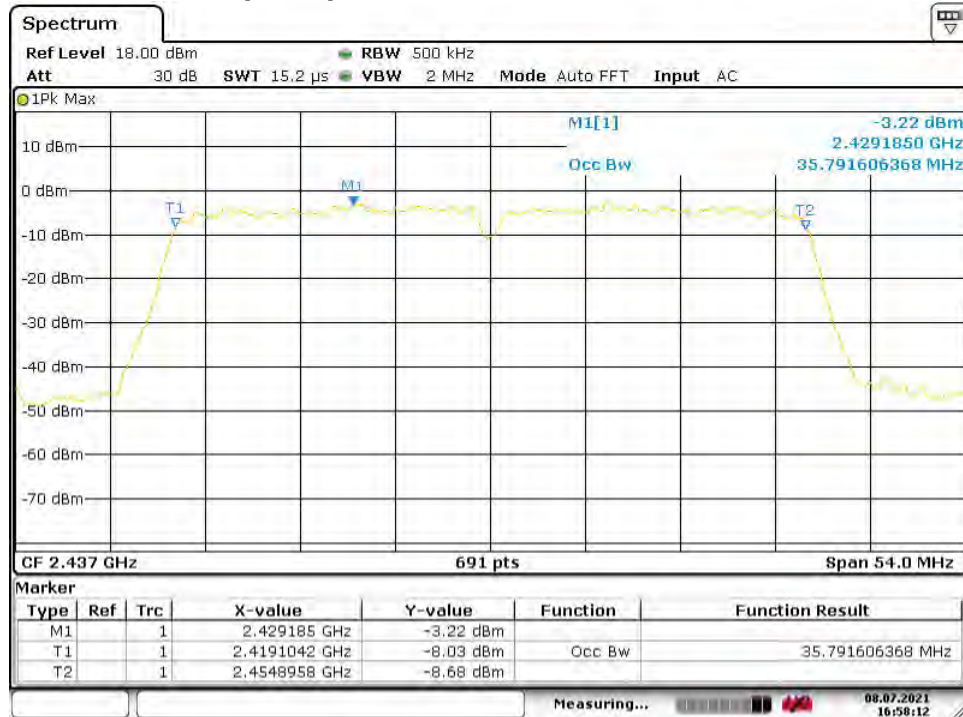
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Test Report No.

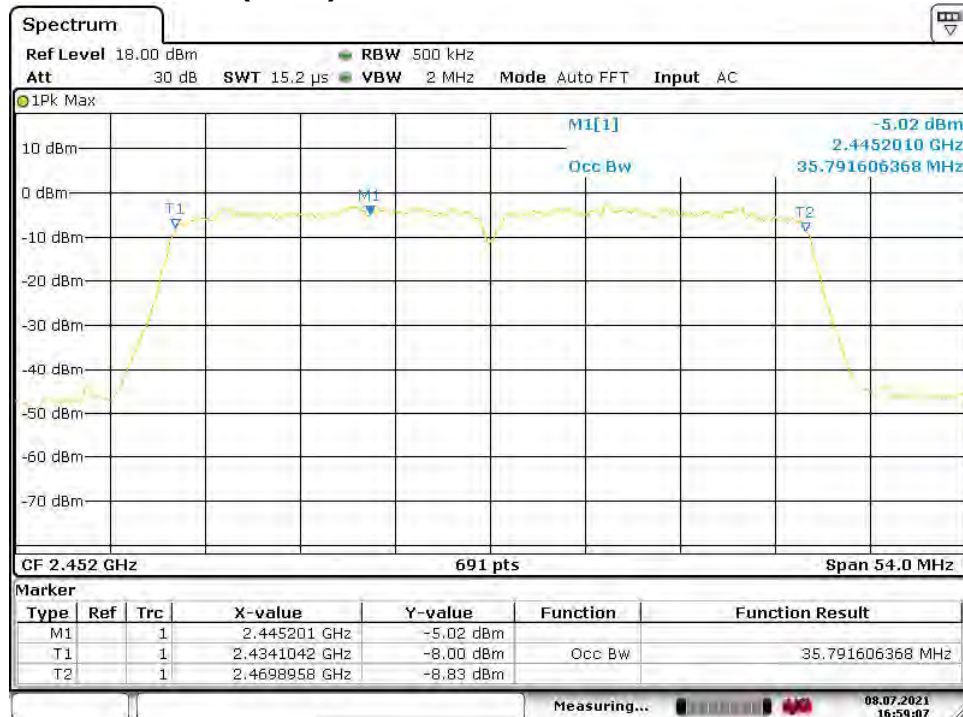
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99% Bandwidth-802.11n(HT40)-M Channel



99% Bandwidth-802.11n(HT40)-H Channel

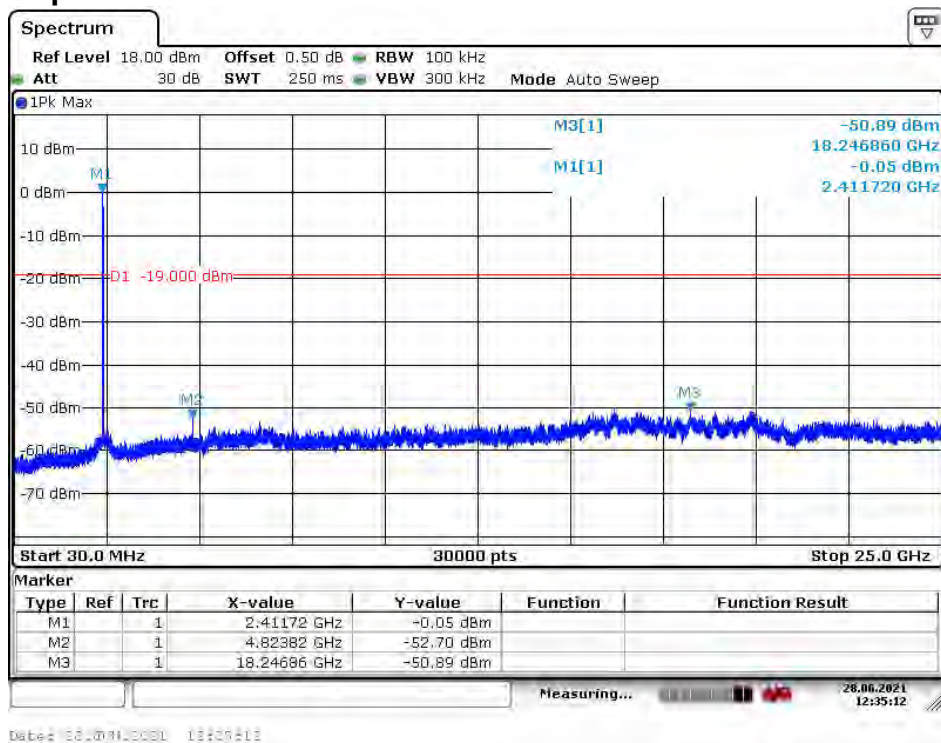


Prüfbericht - Nr.:
Test Report No.

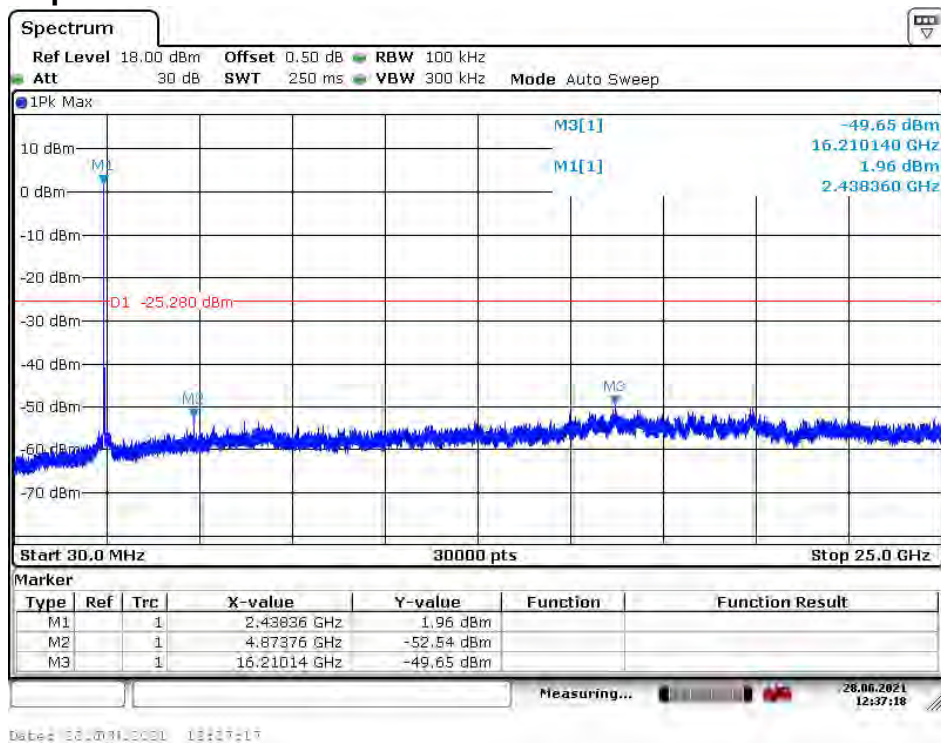
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Conducted Spurious Emissions-802.11b-L Channel



Conducted Spurious Emissions-802.11b-M Channel



Prüfbericht - Nr.:

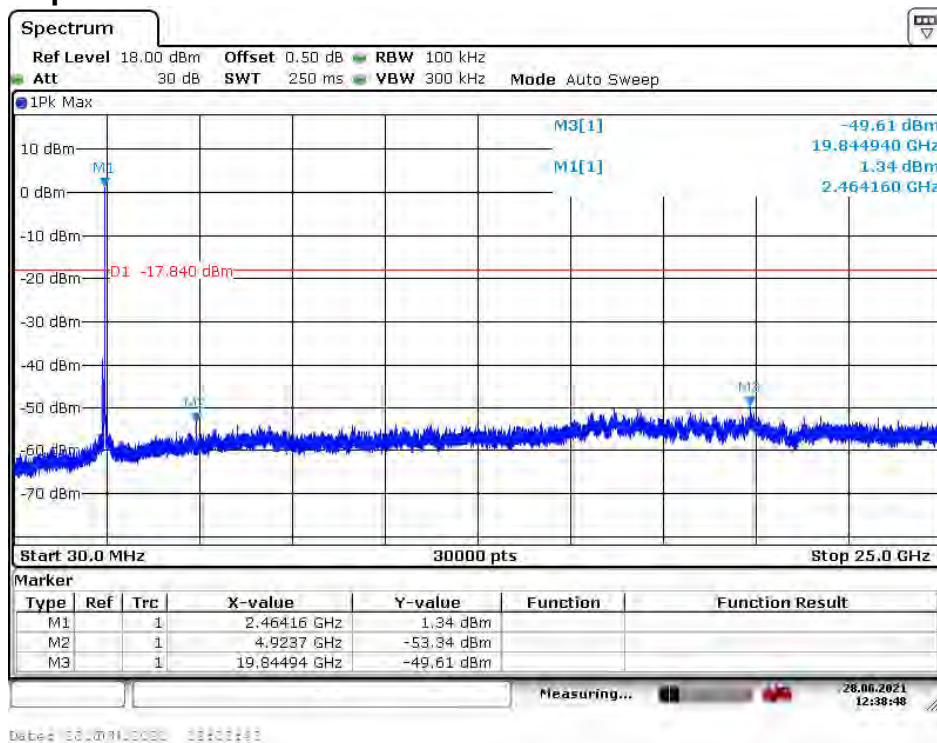
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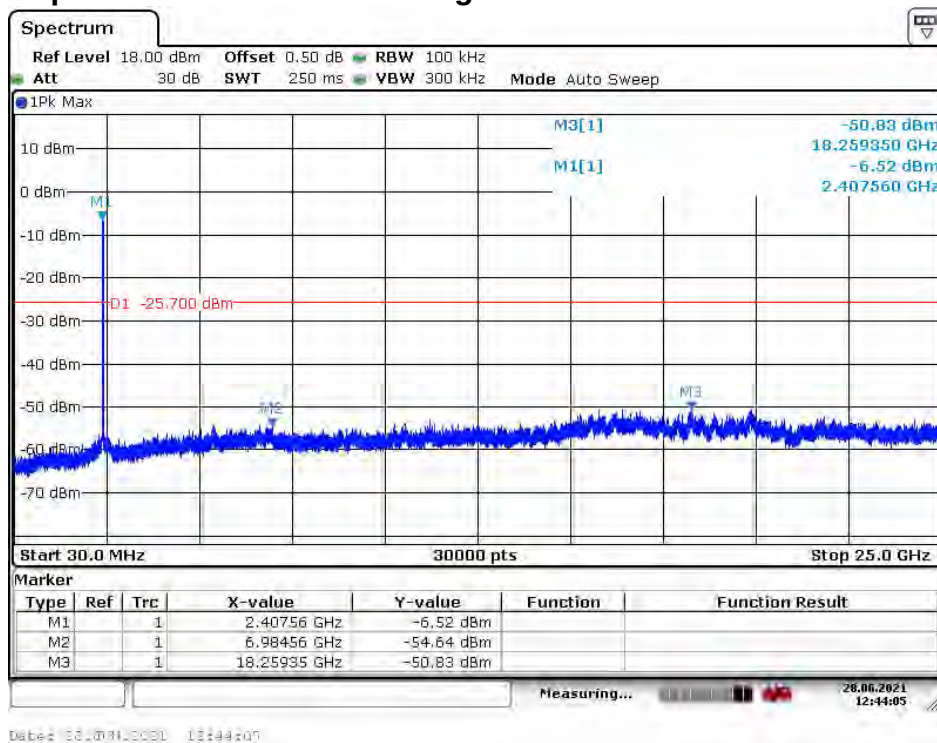
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Conducted Spurious Emissions-802.11b-H Channel



Conducted Spurious Emissions-802.11g-L Channel

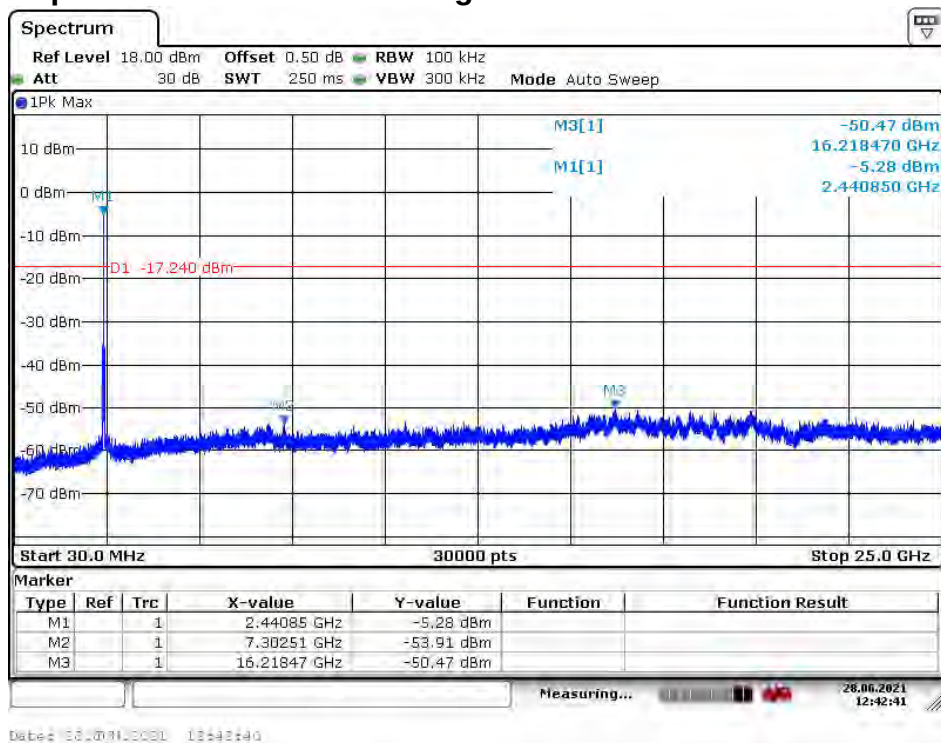


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Test Report No.

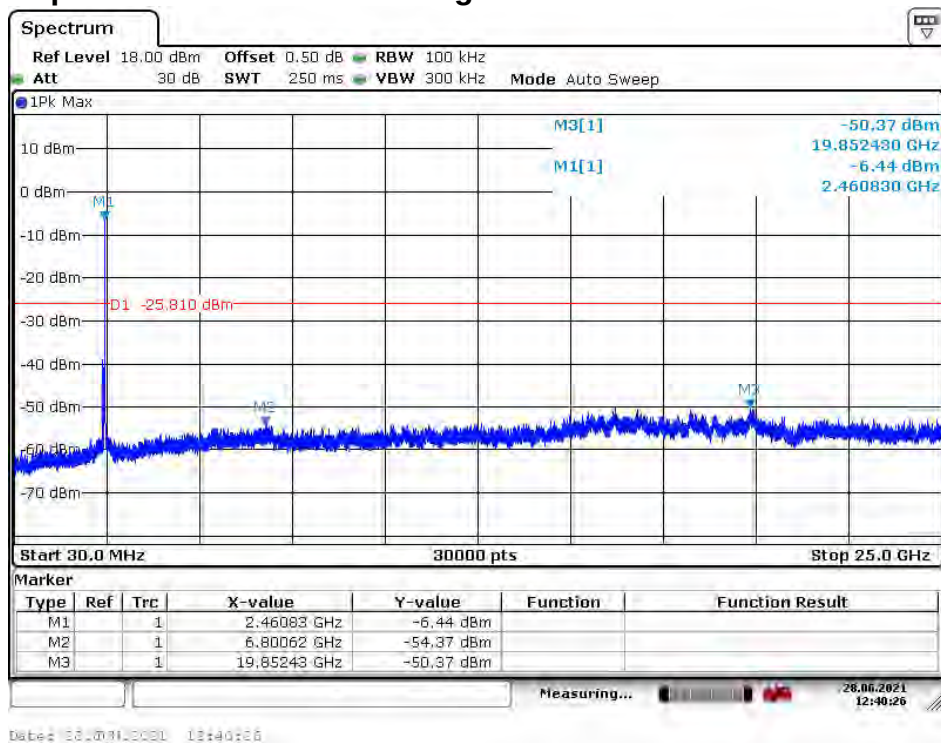
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Conducted Spurious Emissions–802.11g-M Channel



Conducted Spurious Emissions–802.11g-H Channel



Prüfbericht - Nr.:

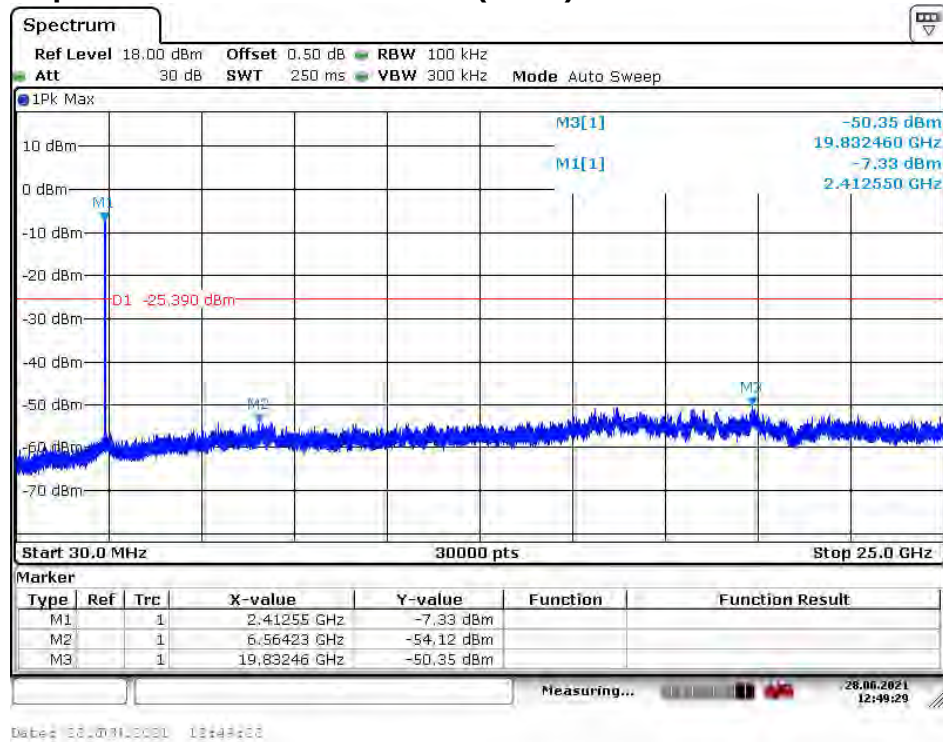
CN21557E 001

Test Report No.

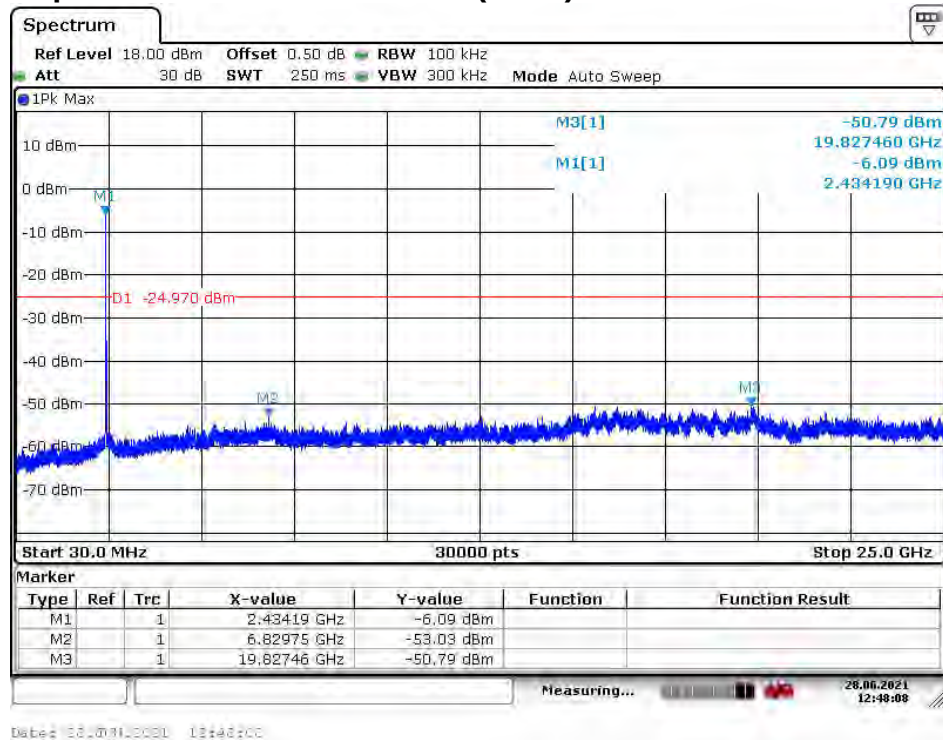
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Conducted Spurious Emissions-802.11n(HT20)-L Channel



Conducted Spurious Emissions-802.11n(HT20)-M Channel



Prüfbericht - Nr.:

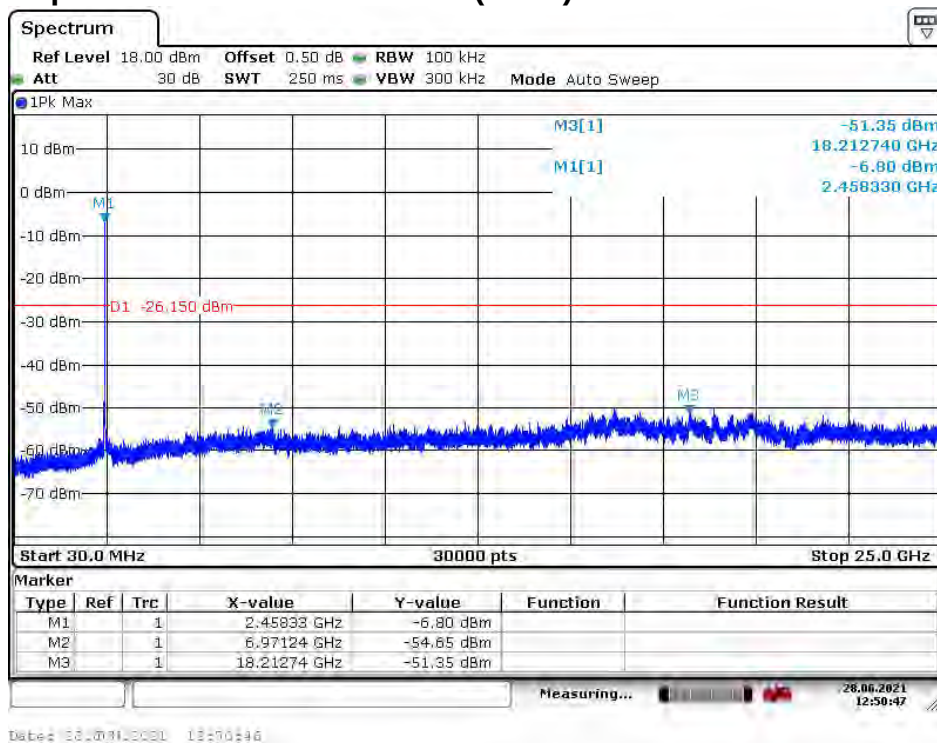
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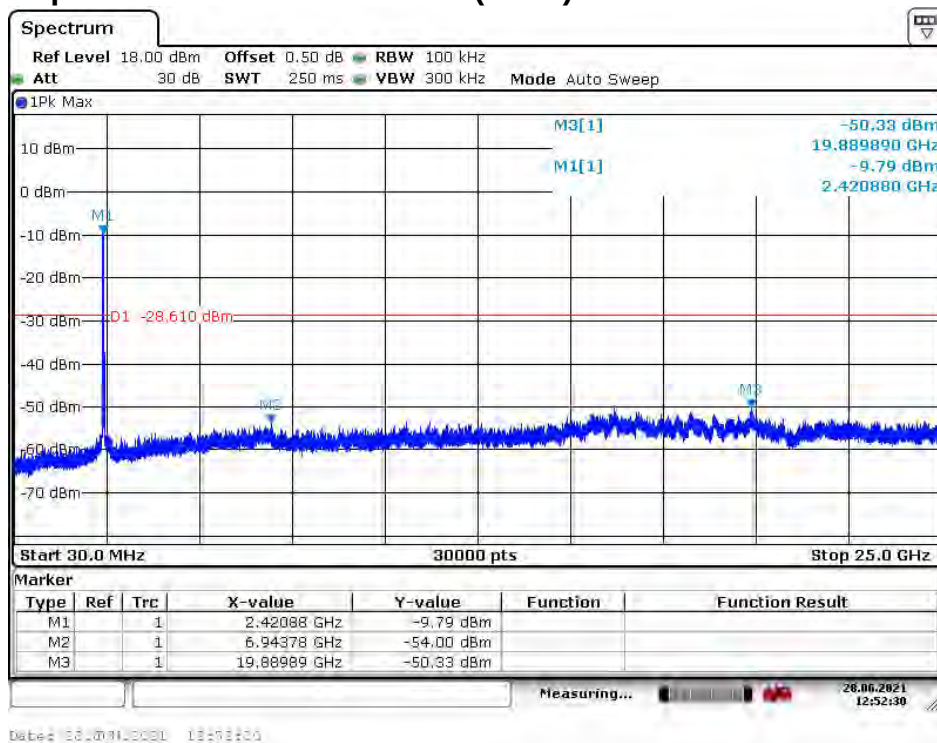
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Conducted Spurious Emissions-802.11n(HT20)-H Channel



Conducted Spurious Emissions-802.11n(HT40)-L Channel

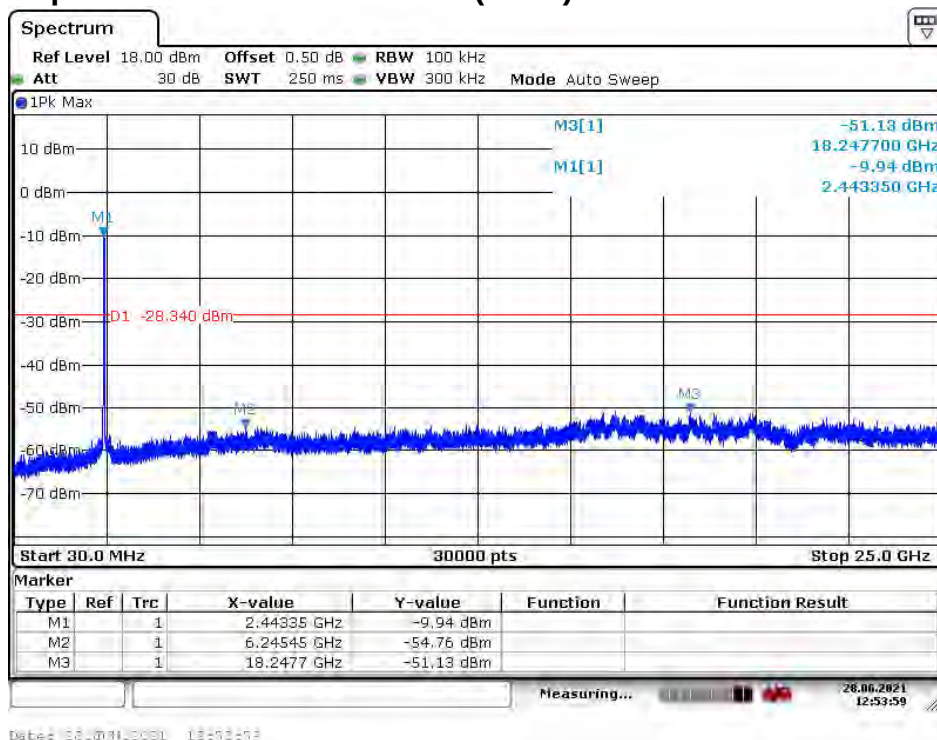


Prüfbericht - Nr.:
Test Report No.

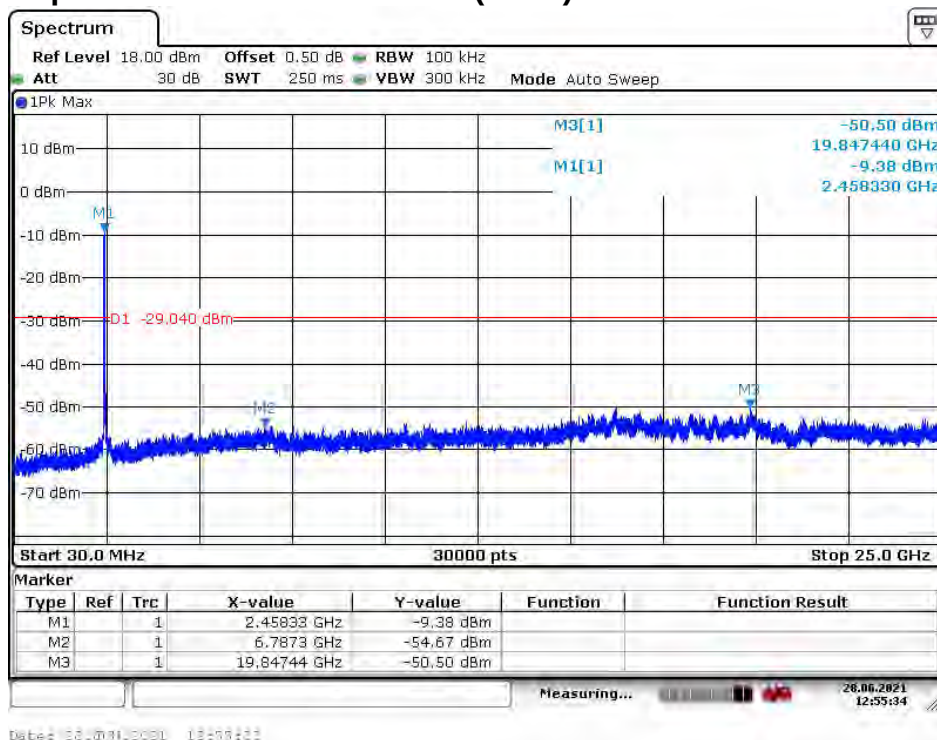
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Conducted Spurious Emissions-802.11n(HT40)-M Channel



Conducted Spurious Emissions-802.11n(HT40)-H Channel



Prüfbericht - Nr.:

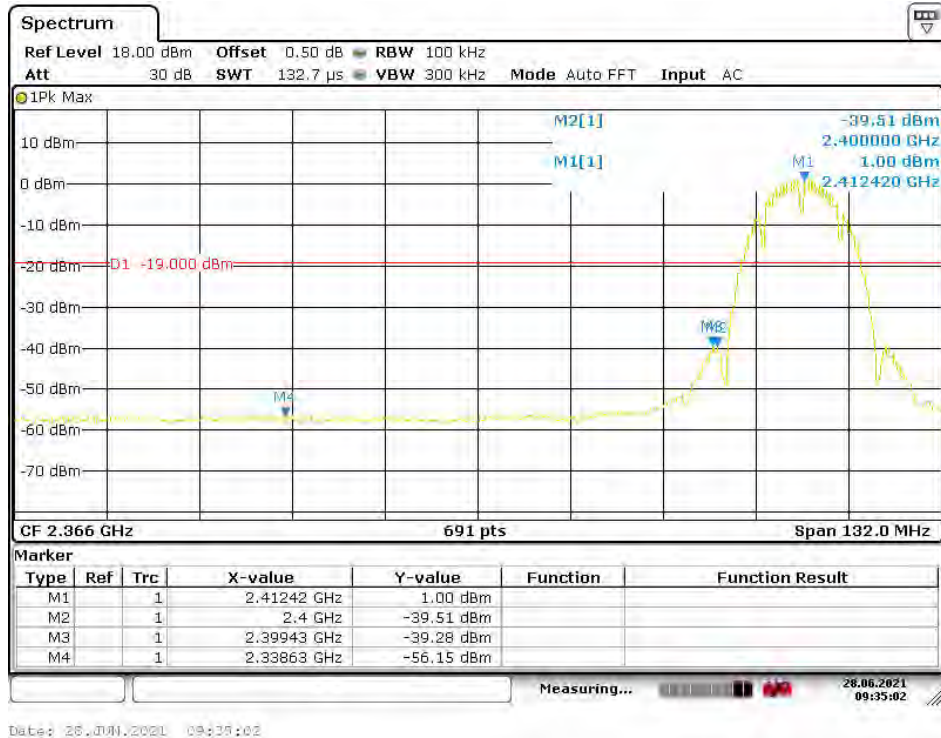
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Test Report No.

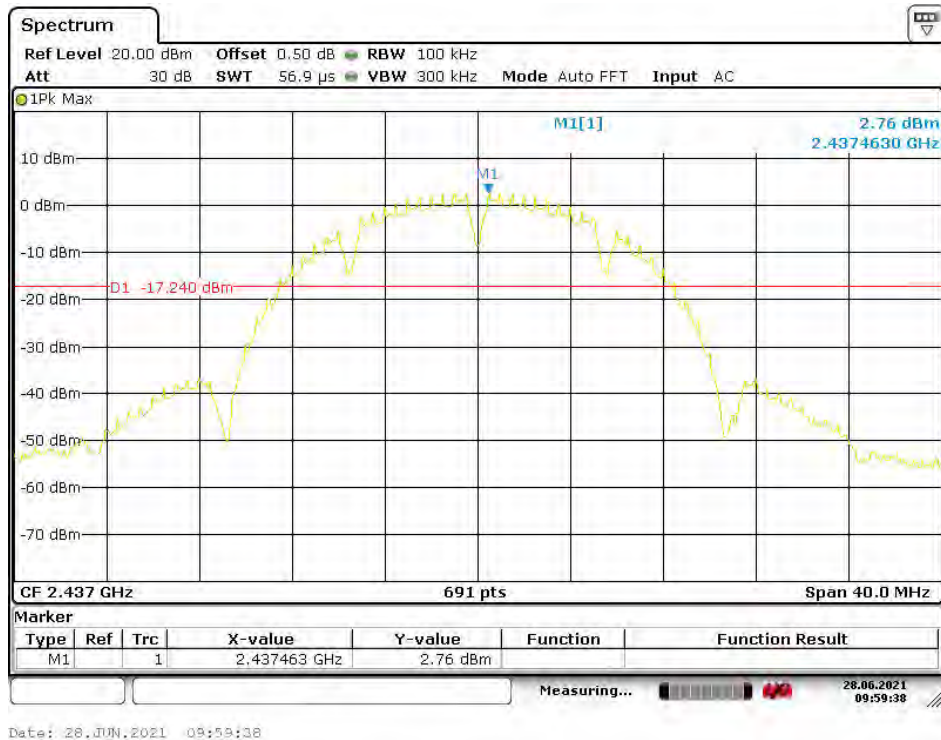
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Band Edge-802.11b-L Channel



Band Edge-802.11b-M Channel



Prüfbericht - Nr.:

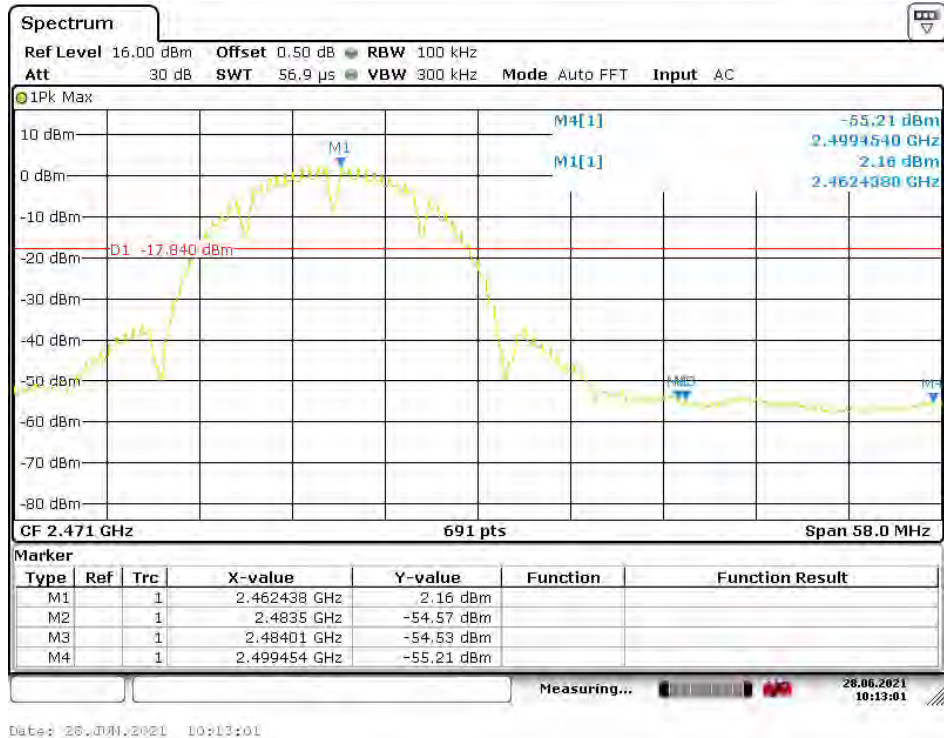
CN21557E 001

Test Report No.

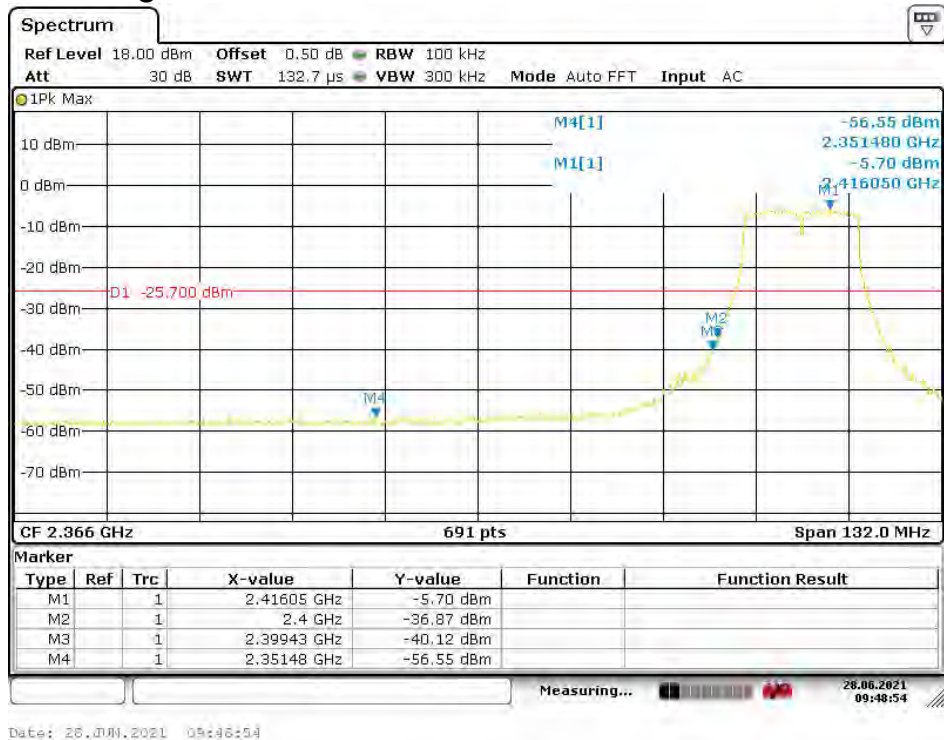
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Band Edge-802.11b-H Channel



Band Edge-802.11g-L Channel



Prüfbericht - Nr.:

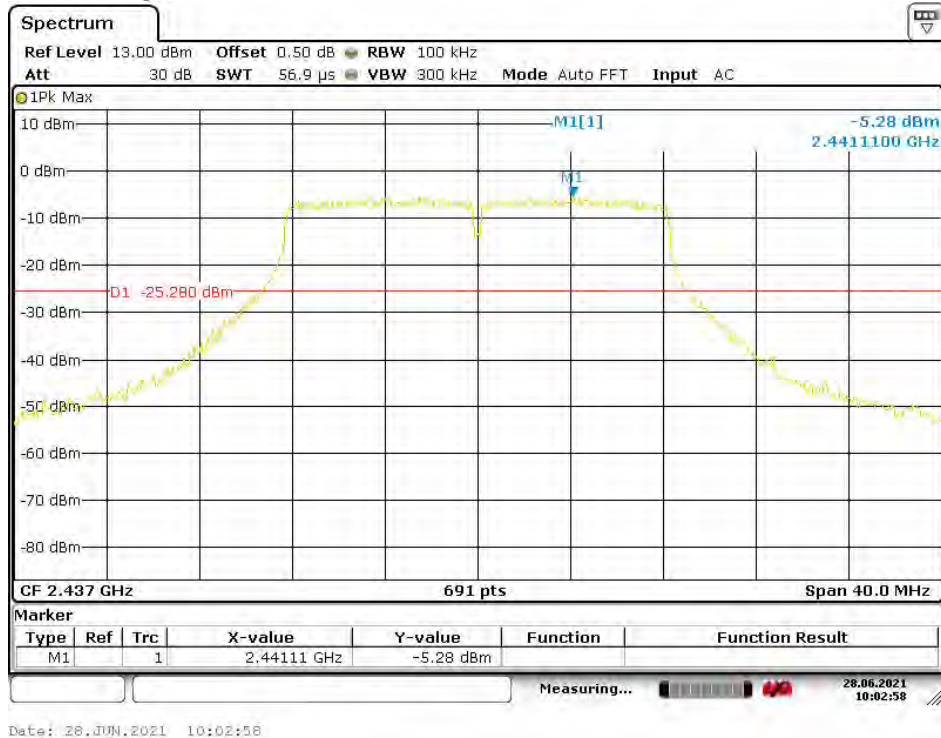
CN21557E 001

Test Report No.

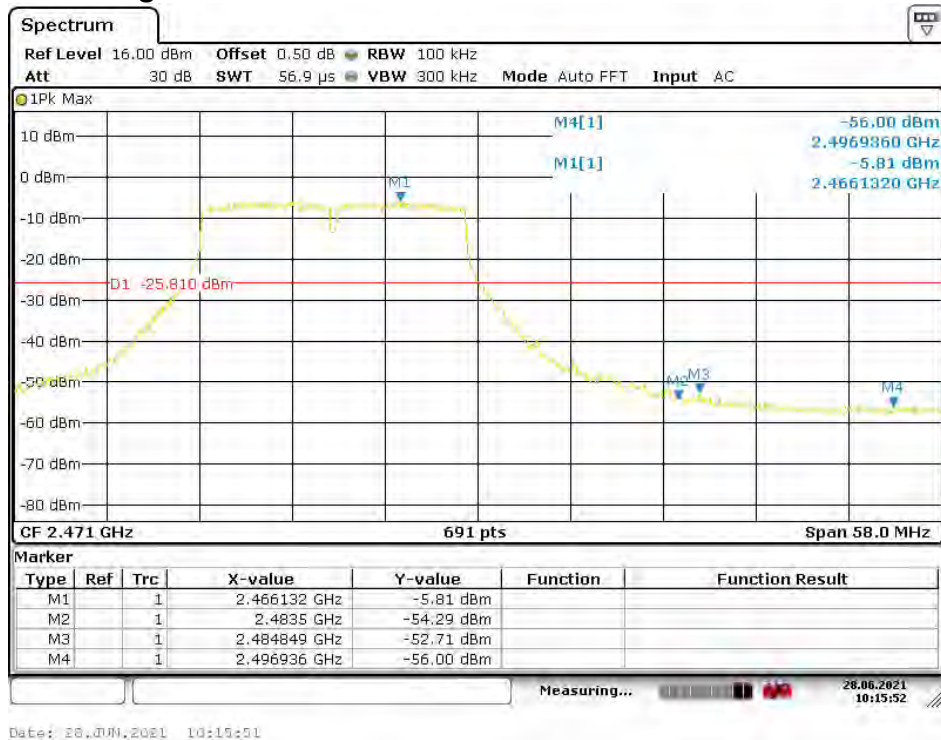
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Band Edge-802.11g-M Channel



Band Edge-802.11g-H Channel



Prüfbericht - Nr.:

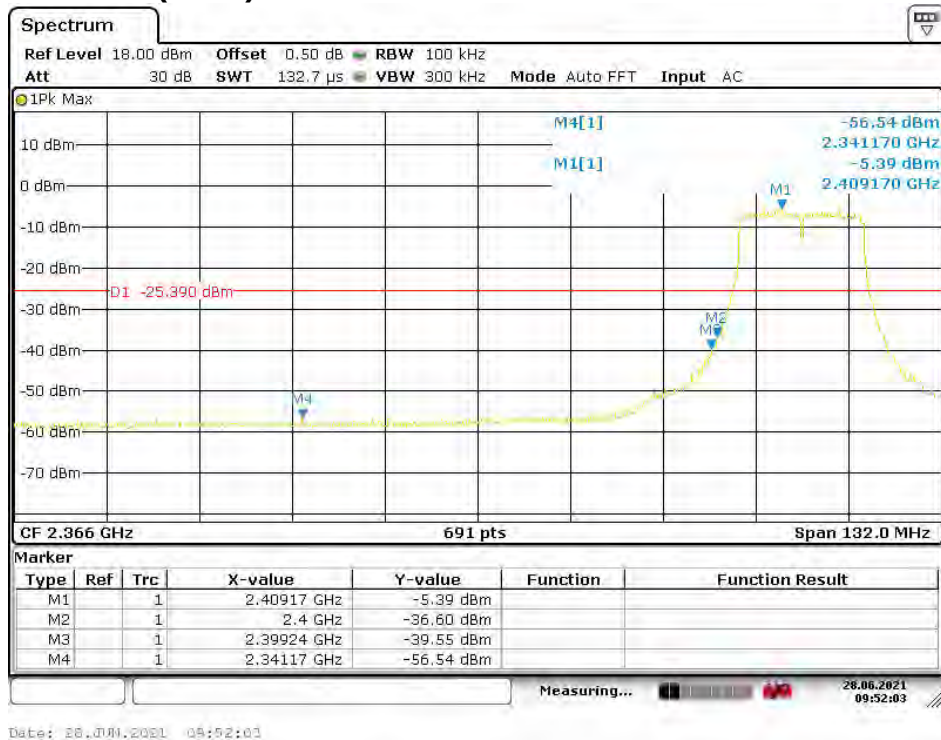
CN21557E 001

Test Report No.

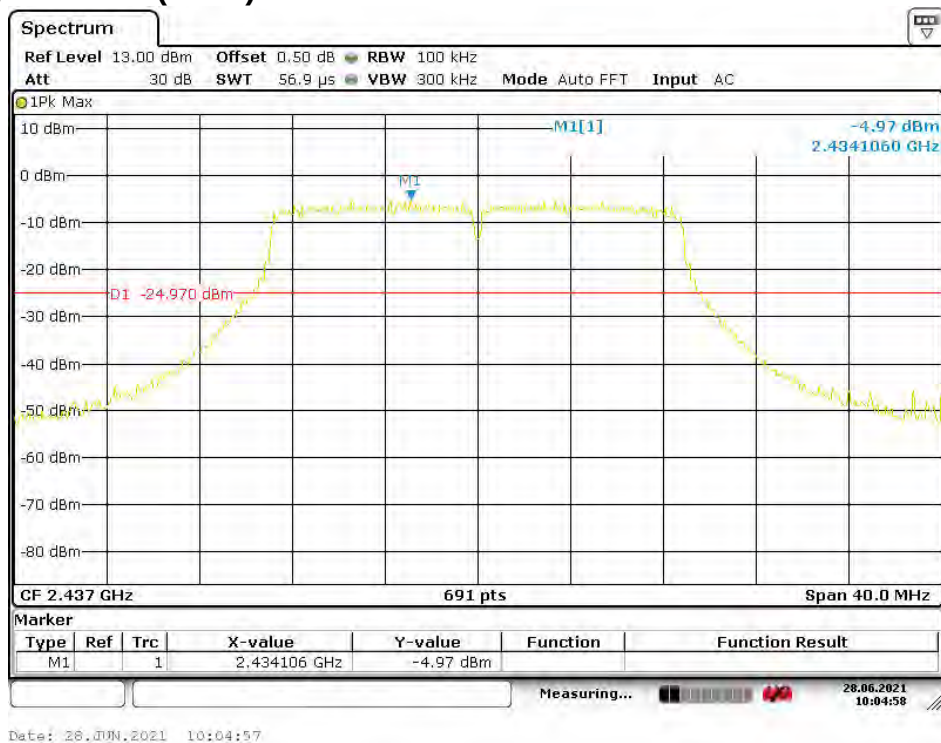
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Band Edge-802.11n(HT20)-L Channel



Band Edge-802.11n(HT20)-M Channel



Prüfbericht - Nr.:

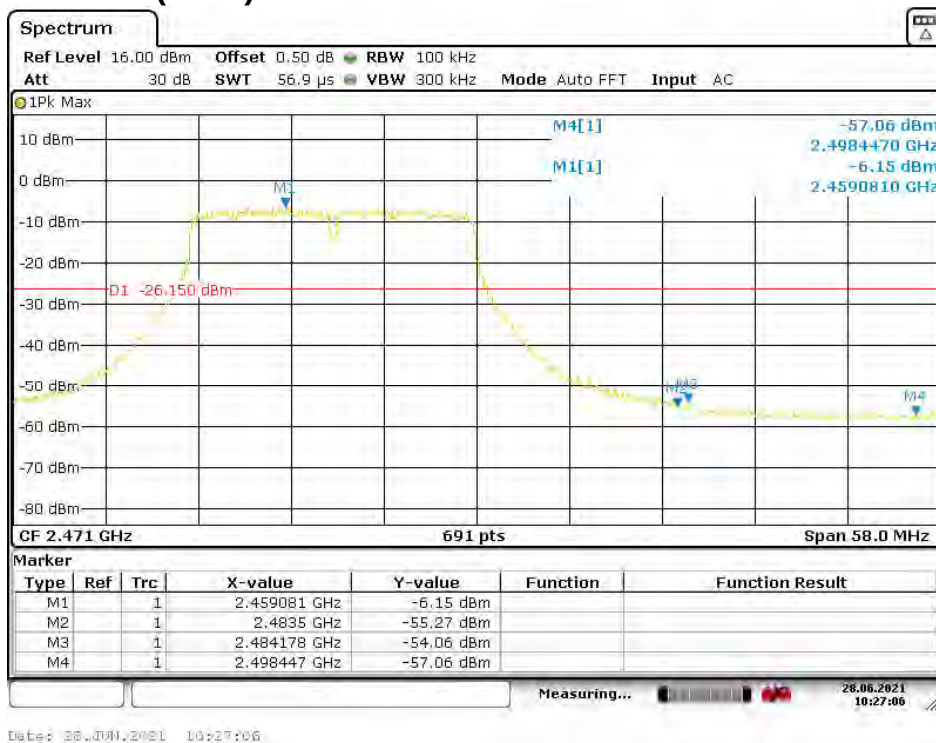
CN21557E 001

Test Report No.

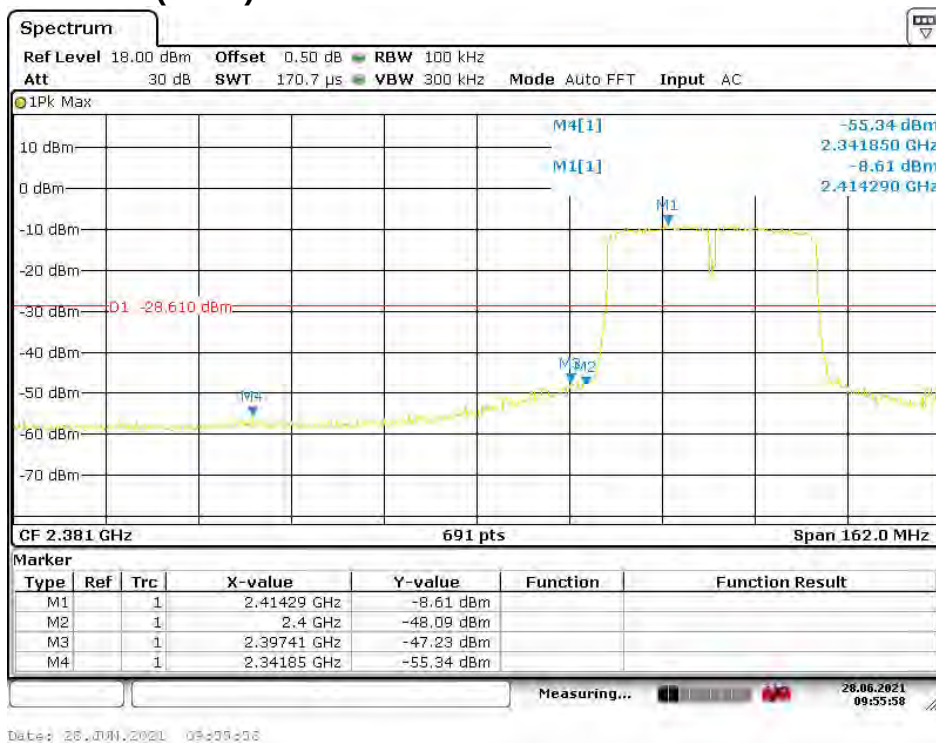
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Band Edge-802.11n(HT20)-H Channel



Band Edge-802.11n(HT40)-L Channel



Prüfbericht - Nr.:

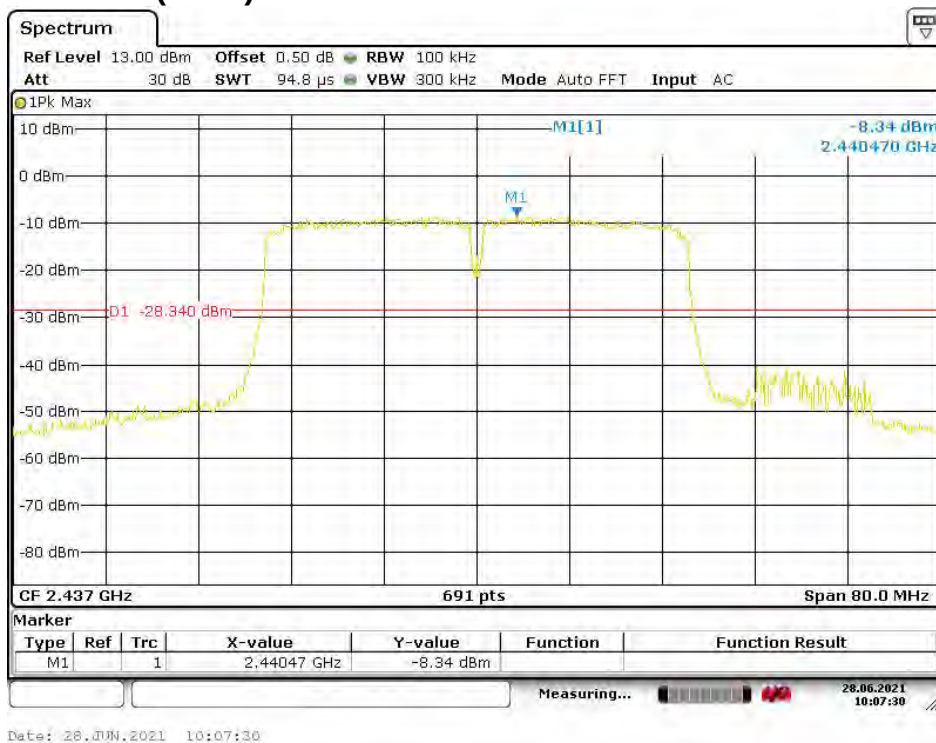
CN21557E 001

Test Report No.

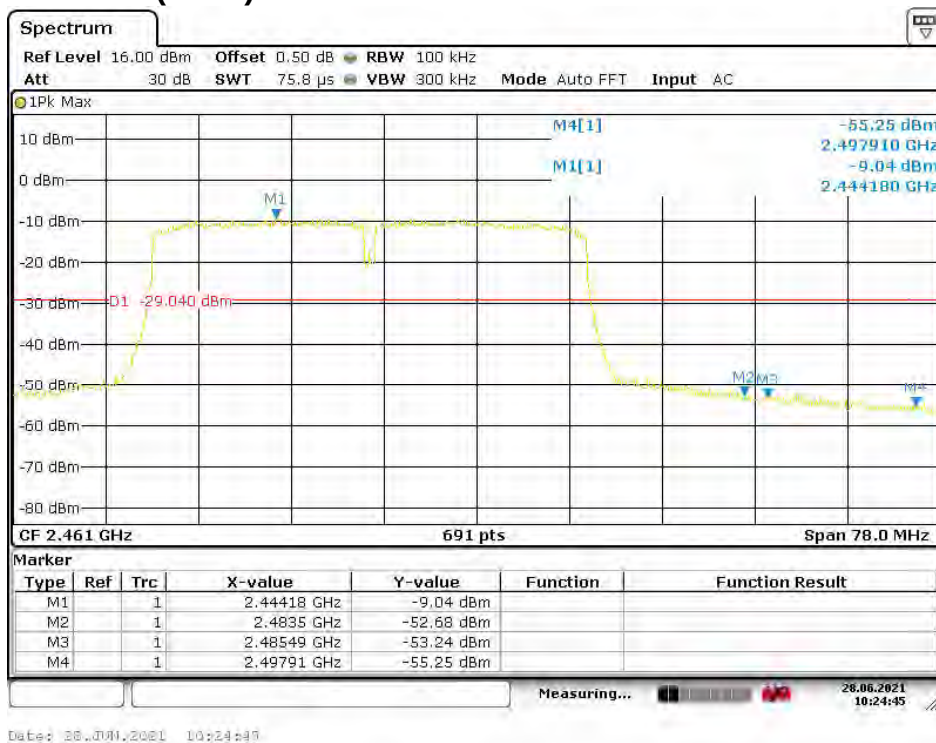
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Band Edge-802.11n(HT40)-M Channel



Band Edge-802.11n(HT40)-H Channel



Prüfbericht - Nr.:

CN21557E 001

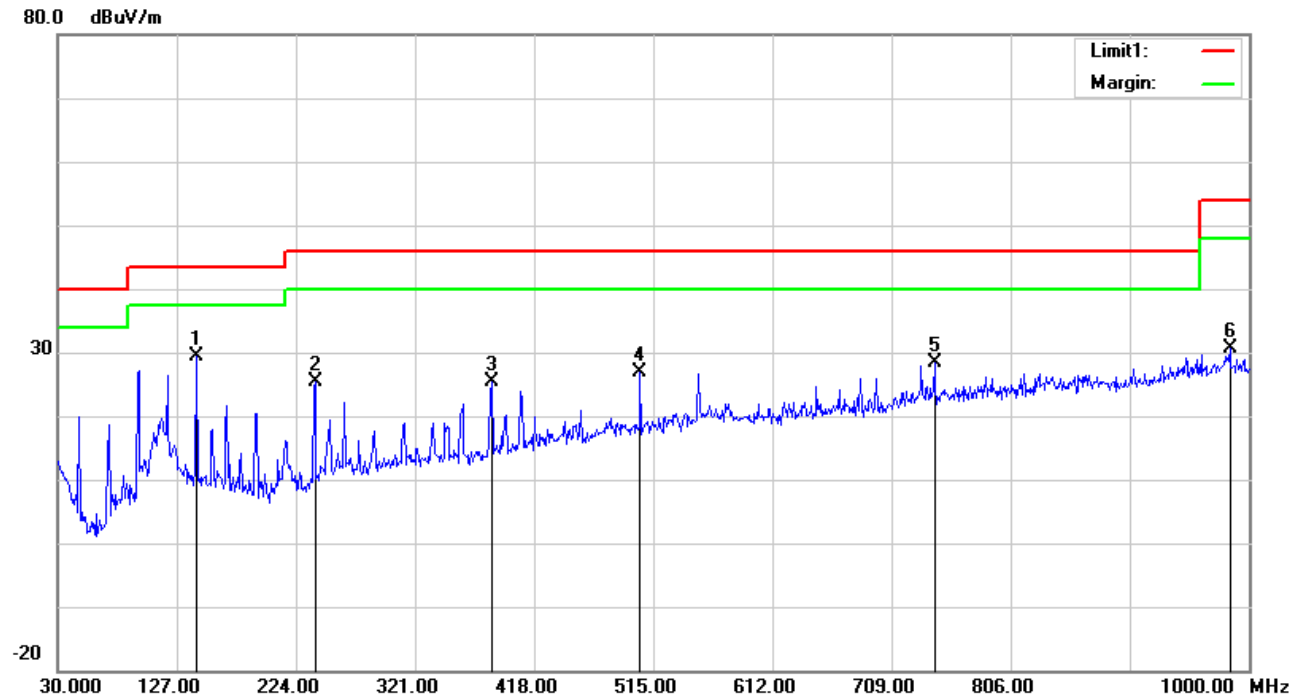
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Radiated Spurious Emissions (30MHz -1000MHz)
802.11b (worst case)

Mode:	802.11b L Channel	Ant.Polar.:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	143.4900	47.61	-18.23	29.38	43.50	-14.12	QP
2	239.5200	43.39	-18.10	25.29	46.00	-20.71	QP
3	384.0500	37.46	-11.99	25.47	46.00	-20.53	QP
4	504.3300	34.96	-7.98	26.98	46.00	-19.02	QP
5	743.9200	30.52	-2.13	28.39	46.00	-17.61	QP
6	984.4800	28.21	2.40	30.61	54.00	-23.39	QP

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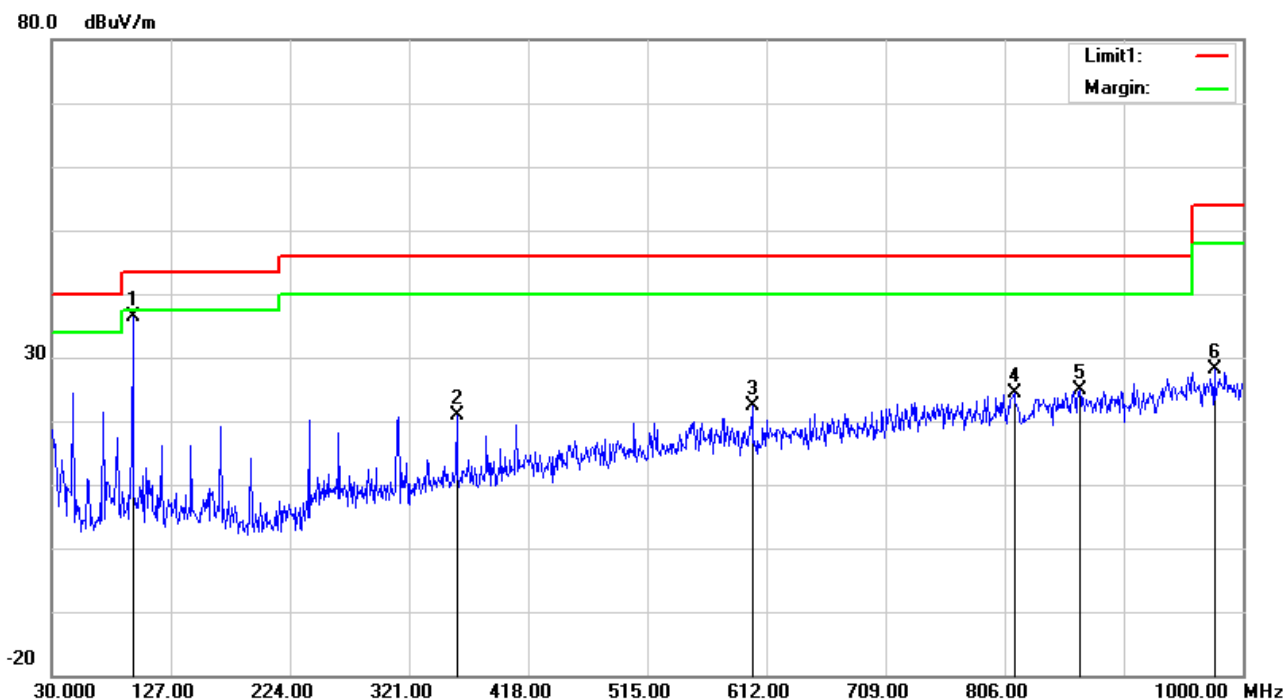
Test Report No.

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Mode: 802.11b L Channel

Ant.Polar.: Vertical

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	95.9600	56.94	-20.67	36.27	43.50	-7.23	QP
2	359.8000	33.85	-12.87	20.98	46.00	-25.02	QP
3	600.3600	28.24	-5.84	22.40	46.00	-23.60	QP
4	813.7600	26.25	-1.98	24.27	46.00	-21.73	QP
5	867.1100	25.46	-0.50	24.96	46.00	-21.04	QP
6	976.7200	25.70	2.45	28.15	54.00	-25.85	QP

Prüfbericht - Nr.:

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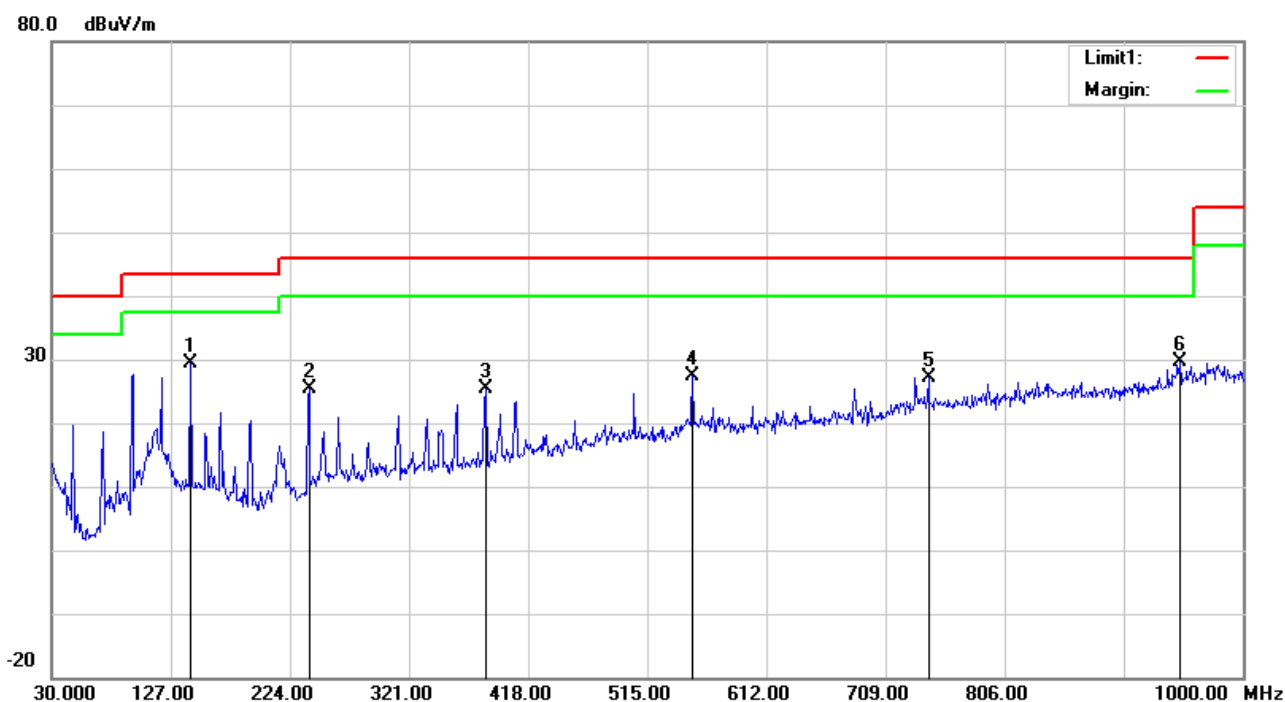
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Test Report No.

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802.11g (worst case)

Mode:	802.11g Channel	Ant.Polar.:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	143.4900	47.57	-18.23	29.34	43.50	-14.16	QP
2	239.5200	43.40	-18.10	25.30	46.00	-20.70	QP
3	384.0500	37.48	-11.99	25.49	46.00	-20.51	QP
4	551.8600	33.13	-5.72	27.41	46.00	-18.59	QP
5	743.9200	29.24	-2.13	27.11	46.00	-18.89	QP
6	948.5900	27.96	1.56	29.52	46.00	-16.48	QP

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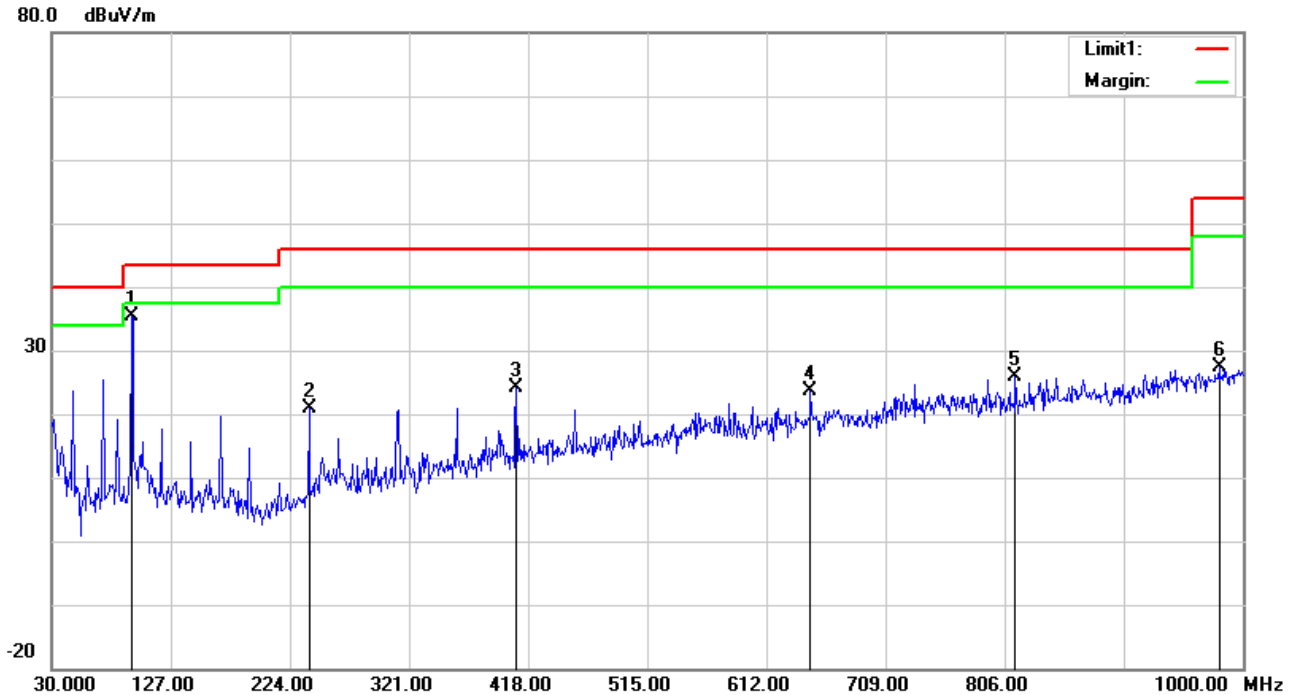
Test Report No.

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Mode: 802.11g Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	94.9900	56.25	-20.78	35.47	43.50	-8.03	QP
2	239.5200	38.87	-18.10	20.77	46.00	-25.23	QP
3	408.3000	34.74	-10.66	24.08	46.00	-21.92	QP
4	647.8900	28.47	-4.88	23.59	46.00	-22.41	QP
5	814.7300	27.82	-1.98	25.84	46.00	-20.16	QP
6	980.6000	24.83	2.63	27.46	54.00	-26.54	QP

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Test Report No.

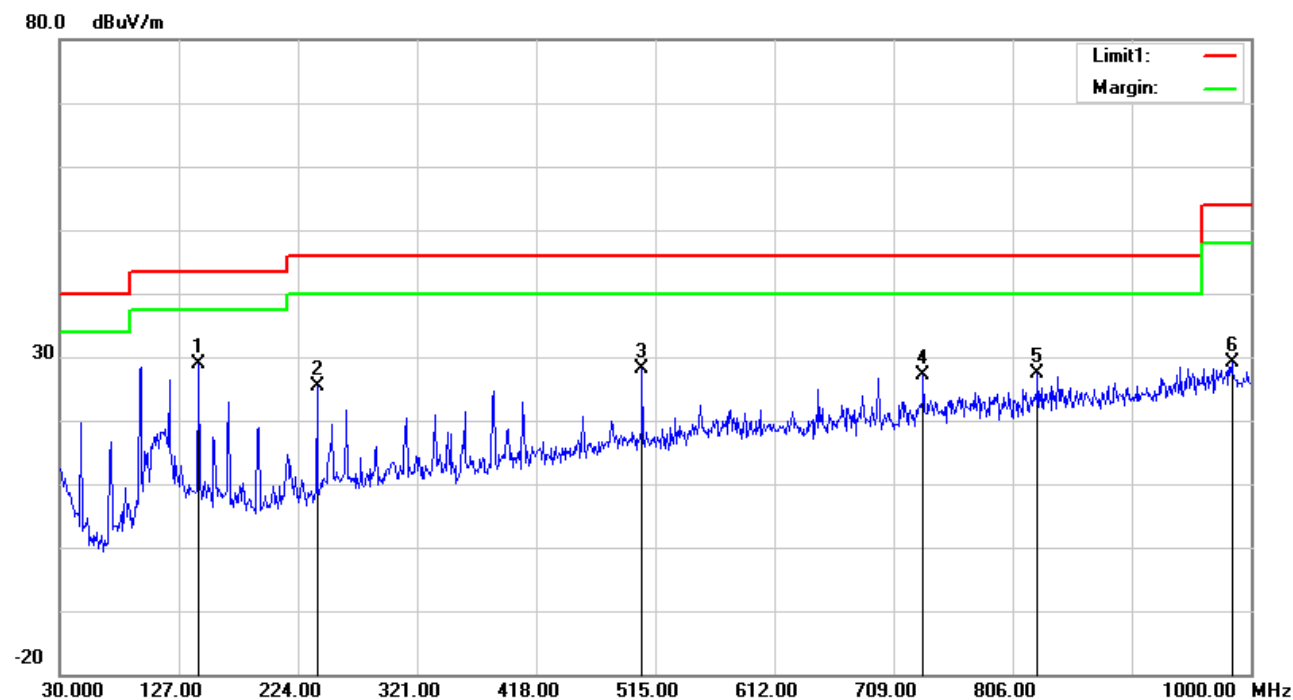
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802.11n(HT20) (worst case)

Mode: 802.11n(HT20) Channel

Ant.Polar.:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	143.4900	47.04	-18.23	28.81	43.50	-14.69	QP
2	239.5200	43.43	-18.10	25.33	46.00	-20.67	QP
3	504.3300	36.17	-7.98	28.19	46.00	-17.81	QP
4	733.2500	29.50	-2.35	27.15	46.00	-18.85	QP
5	826.3700	28.66	-1.19	27.47	46.00	-18.53	QP
6	984.4800	26.80	2.40	29.20	54.00	-24.80	QP

Prüfbericht - Nr.:

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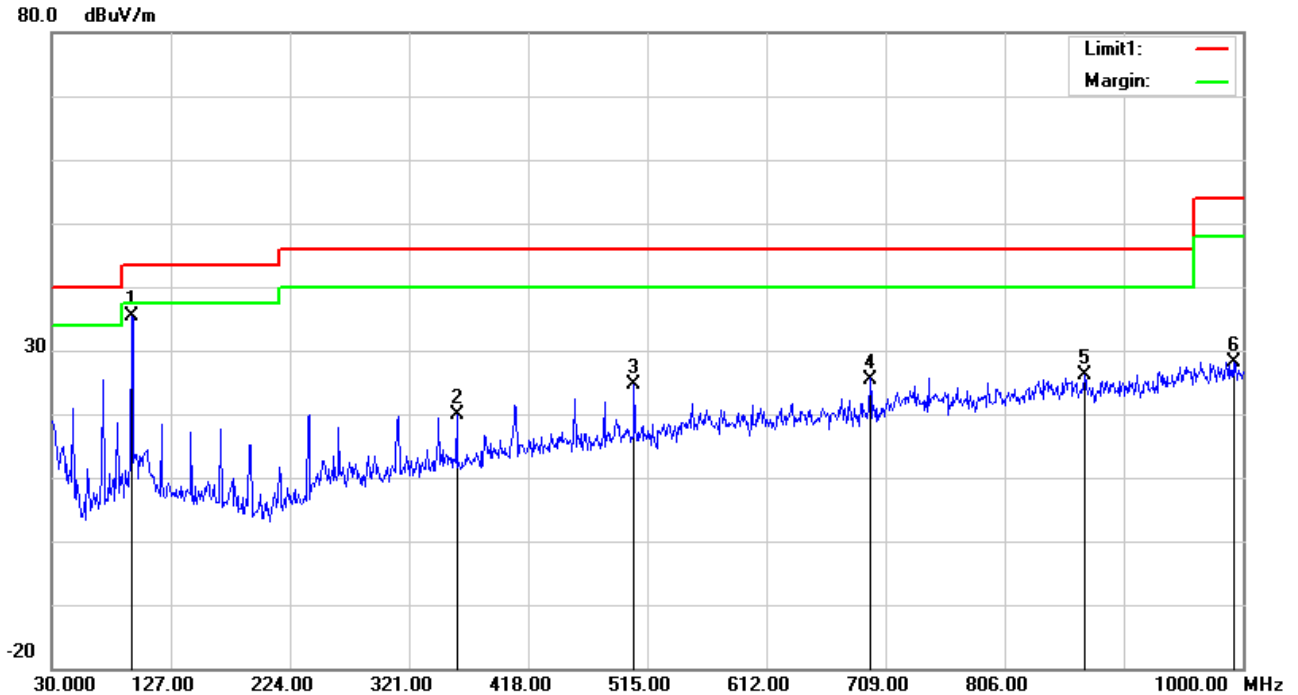
Test Report No.

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Mode: 802.11n(HT20) Channel

Ant.Polar.: Vertical

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	94.9900	56.12	-20.78	35.34	43.50	-8.16	QP
2	359.8000	32.75	-12.87	19.88	46.00	-26.12	QP
3	504.3300	32.61	-7.98	24.63	46.00	-21.37	QP
4	696.3900	29.73	-4.23	25.50	46.00	-20.50	QP
5	870.9900	26.73	-0.55	26.18	46.00	-19.82	QP
6	992.2400	26.18	2.05	28.23	54.00	-25.77	QP

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Test Report No.

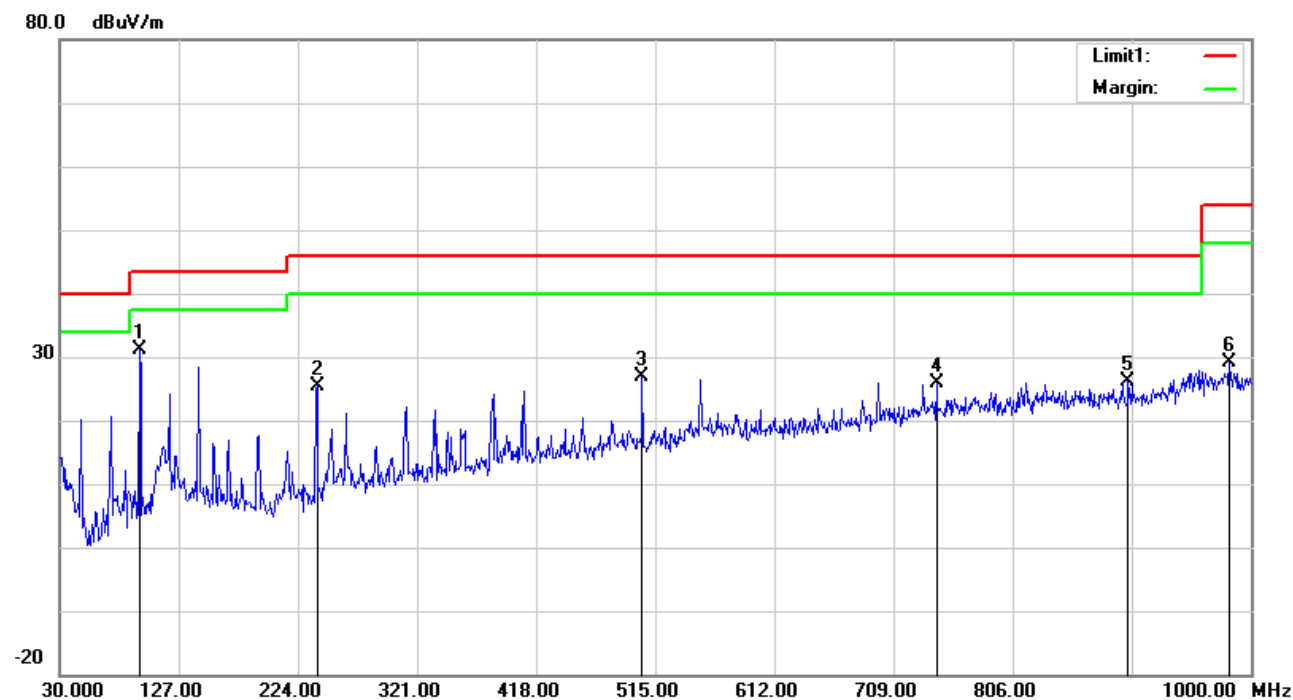
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802.11n(HT40) (worst case)

Mode: 802.11n(HT40) Channel

Ant.Polar.:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	94.9900	51.79	-20.78	31.01	43.50	-12.49	QP
2	239.5200	43.48	-18.10	25.38	46.00	-20.62	QP
3	504.3300	34.93	-7.98	26.95	46.00	-19.05	QP
4	743.9200	27.96	-2.13	25.83	46.00	-20.17	QP
5	900.0900	26.62	-0.45	26.17	46.00	-19.83	QP
6	982.5400	26.52	2.52	29.04	54.00	-24.96	QP

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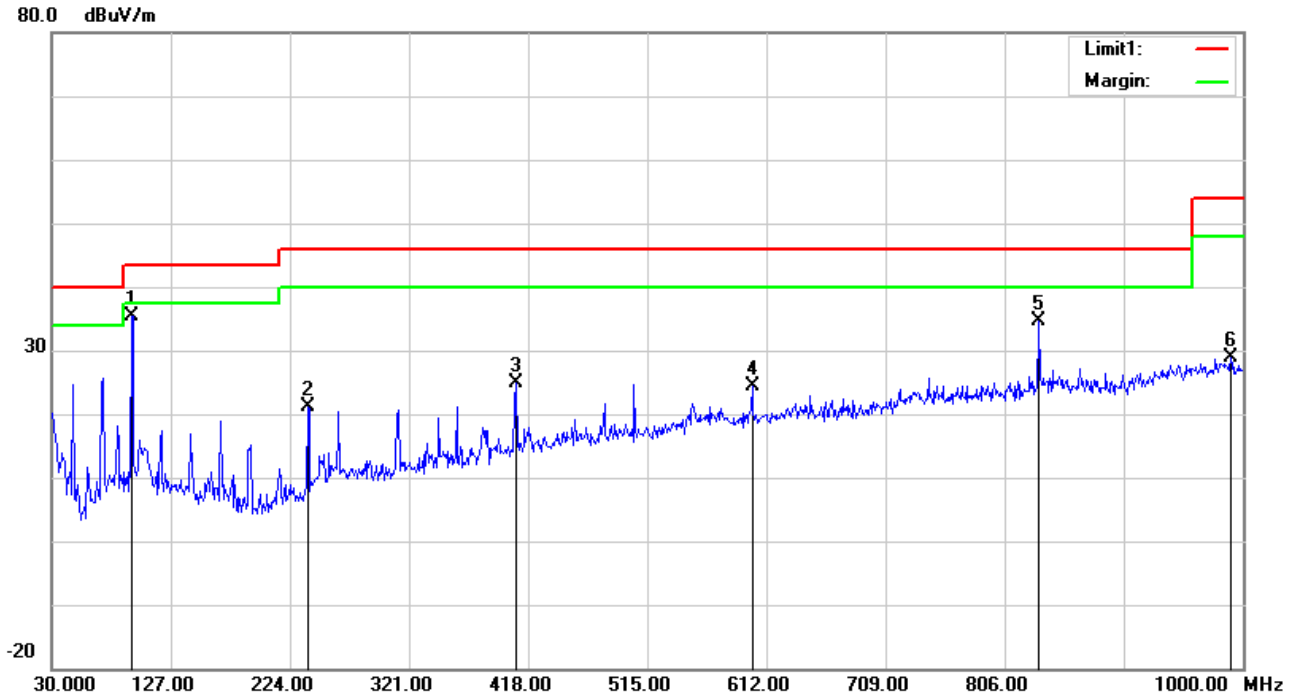
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Mode: 802.11n(HT40) Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	94.9900	56.27	-20.78	35.49	43.50	-8.01	QP
2	238.5500	39.29	-18.23	21.06	46.00	-24.94	QP
3	408.3000	35.58	-10.66	24.92	46.00	-21.08	QP
4	600.3600	30.19	-5.84	24.35	46.00	-21.65	QP
5	834.1300	35.20	-0.59	34.61	46.00	-11.39	QP
6	990.3000	26.80	2.05	28.85	54.00	-25.15	QP

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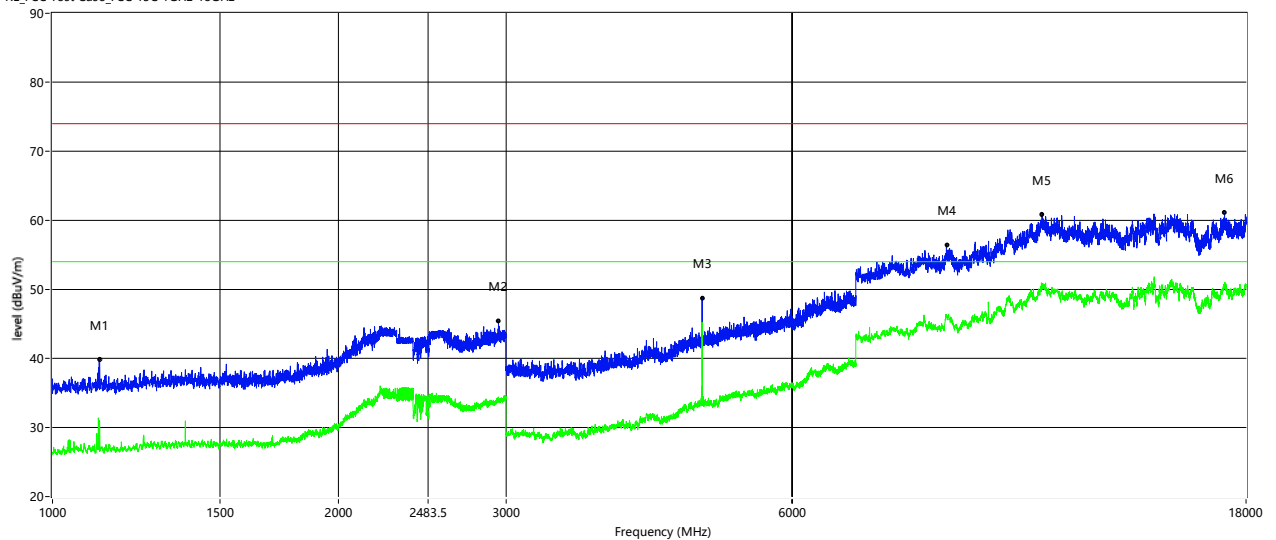
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Radiated Spurious Emissions ABOVE 1G 802.11b L Channel

EUT Name: Cooler
Mode: 802.11b_L
Model: FC95
Temp.(oC): 23.4
Hum.: 60%

Test Engineer: Chris
Test Standard: FCC 15C
Work Addition:
Load:
Remark:

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1120.5	41.26	32.41	-1.44	39.82	30.97	74.00	54.00	-34.18	-23.03	-23.03	Horizontal
2946.5	39.56	28.23	5.88	45.44	34.11	74.00	54.00	-28.56	-19.89	-19.89	Horizontal
4824	55.62	52.03	-6.84	48.78	45.19	74.00	54.00	-25.22	-8.81	-8.81	Horizontal
8718.75	51.38	40.81	5.1	56.48	45.91	74.00	54.00	-17.52	-8.09	-8.09	Horizontal
10987.5	50.76	39.90	10.12	60.88	50.02	74.00	54.00	-13.12	-3.98	-3.98	Horizontal
17095.25	50.63	40.06	10.45	61.08	50.51	74.00	54.00	-12.92	-3.49	-3.49	Horizontal

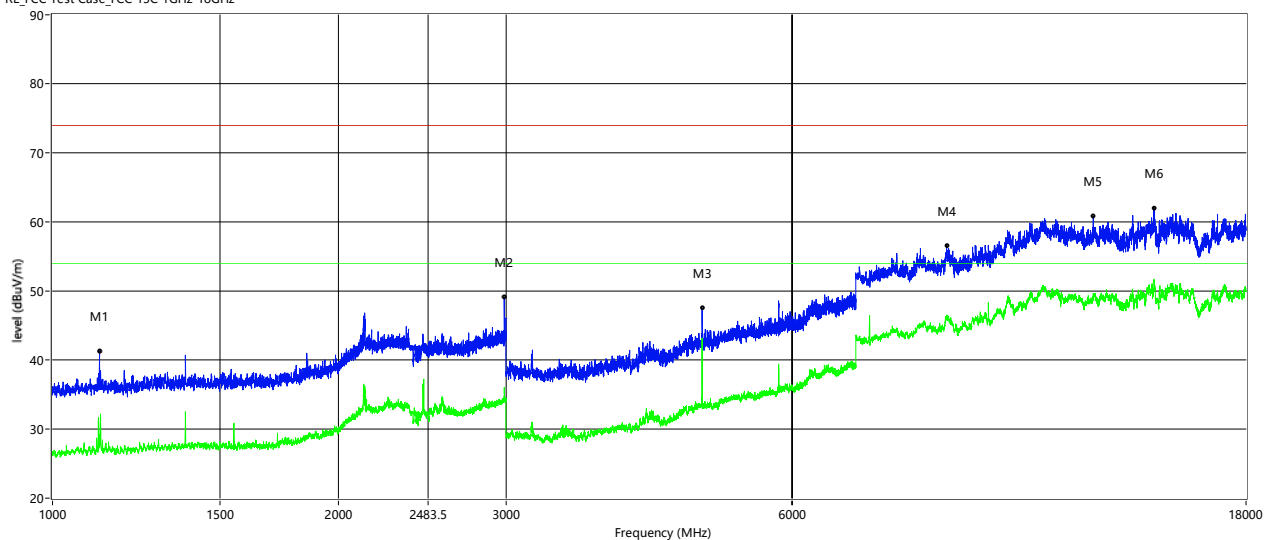
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802.11b L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	42.76	30.66	-1.44	41.32	29.22	74.00	54.00	-32.68	-24.78	-24.78	Vertical
2988	43.03	29.96	6.06	49.09	36.02	74.00	54.00	-24.91	-17.98	-17.98	Vertical
4824	54.36	49.98	-6.84	47.52	43.14	74.00	54.00	-26.48	-10.86	-10.86	Vertical
8721.5	51.48	41.40	5.09	56.57	46.49	74.00	54.00	-17.43	-7.51	-7.51	Vertical
12436.75	52.23	40.45	8.56	60.79	49.01	74.00	54.00	-13.21	-4.99	-4.99	Vertical
14397.5	50.65	39.24	11.41	62.06	50.65	74.00	54.00	-11.94	-3.35	-3.35	Vertical

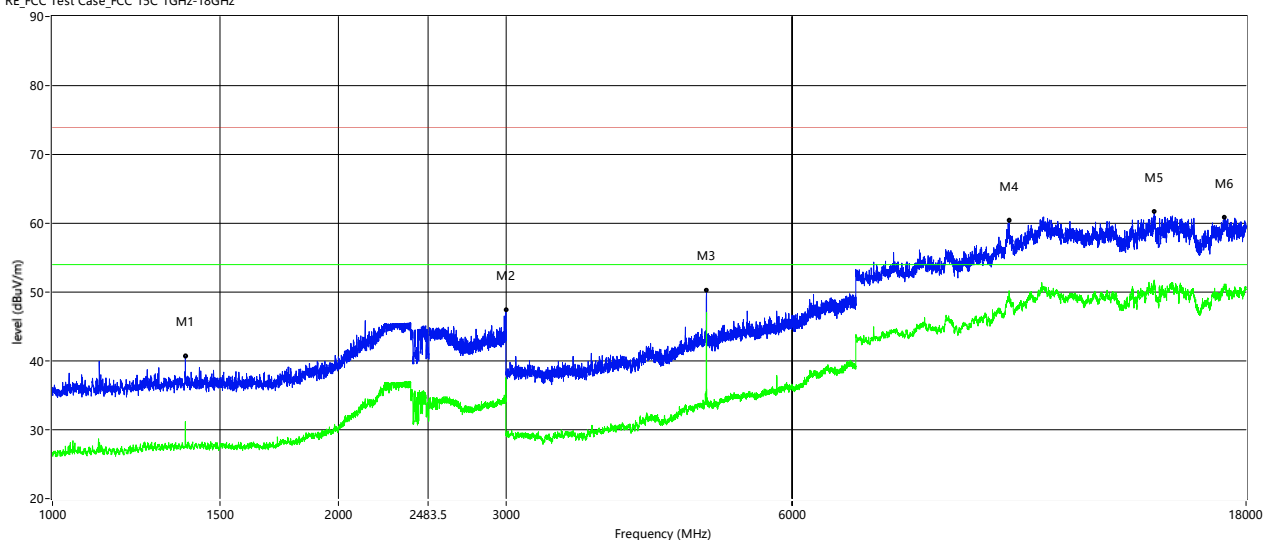
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802.11b M Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1380	41.37	31.87	-0.71	40.66	31.16	74.00	54.00	-33.34	-22.84	-22.84	Horizontal
3000	41.36	31.43	6.11	47.47	37.54	74.00	54.00	-26.53	-16.46	-16.46	Horizontal
4874	56.79	53.56	-6.54	50.25	47.02	74.00	54.00	-23.75	-6.98	-6.98	Horizontal
10140.5	53.25	41.91	7.15	60.40	49.06	74.00	54.00	-13.60	-4.94	-4.94	Horizontal
14416.75	50.49	40.52	11.23	61.72	51.75	74.00	54.00	-12.28	-2.25	-2.25	Horizontal
17081.5	50.47	40.17	10.35	60.82	50.52	74.00	54.00	-13.18	-3.48	-3.48	Horizontal

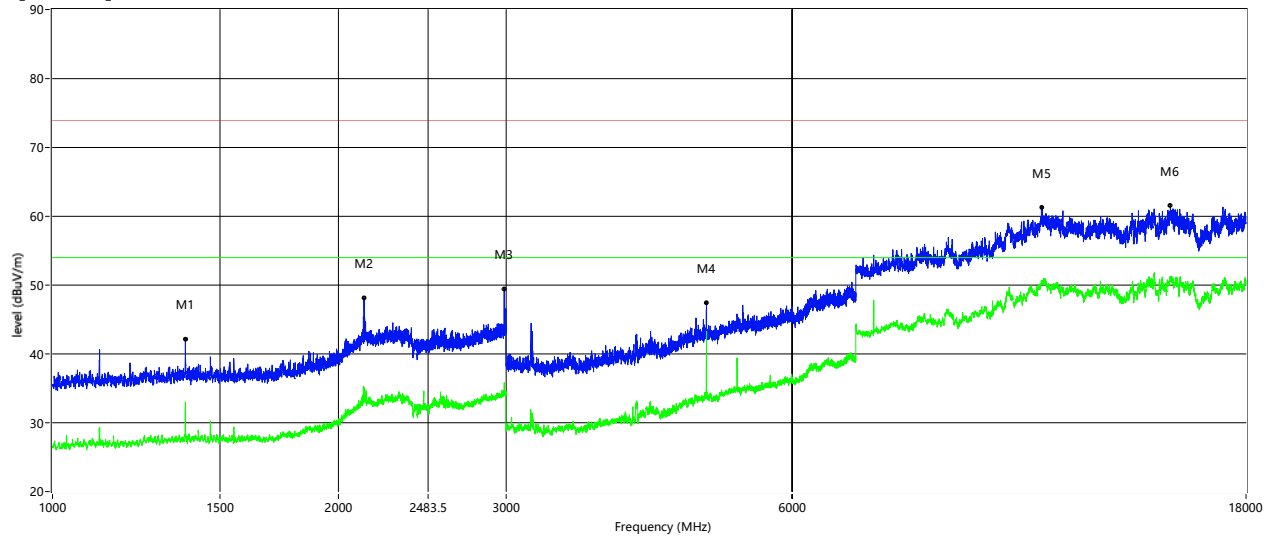
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802.11b M Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1380	42.88	33.69	-0.71	42.17	32.98	74.00	54.00	-31.83	-21.02	-21.02	Vertical
2128	43.81	30.76	4.26	48.07	35.02	74.00	54.00	-25.93	-18.98	-18.98	Vertical
2987	43.39	29.76	6.05	49.44	35.81	74.00	54.00	-24.56	-18.19	-18.19	Vertical
4874	53.97	49.80	-6.54	47.43	43.26	74.00	54.00	-26.57	-10.74	-10.74	Vertical
10990.25	51.11	40.33	10.14	61.25	50.47	74.00	54.00	-12.75	-3.53	-3.53	Vertical
14988.75	51.17	40.80	10.34	61.51	51.14	74.00	54.00	-12.49	-2.86	-2.86	Vertical

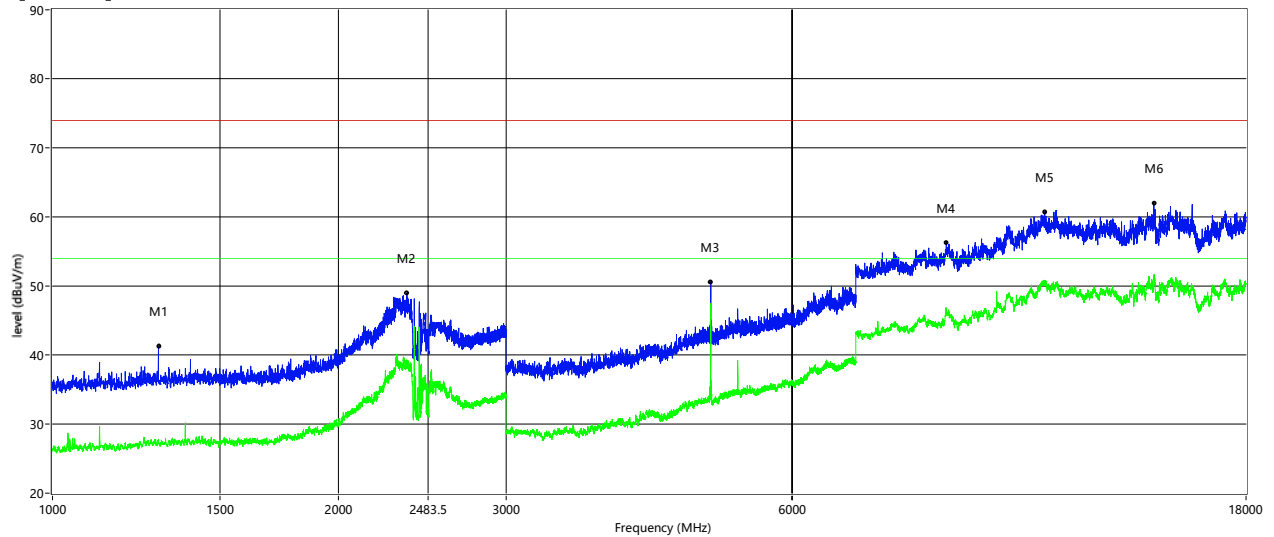
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802.11b H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1293	42.20	28.74	-0.93	41.27	27.81	74.00	54.00	-32.73	-26.19	-26.19	Horizontal
2360	44.66	34.61	4.3	48.96	38.91	74.00	54.00	-25.04	-15.09	-15.09	Horizontal
4924	56.98	53.81	-6.39	50.59	47.42	74.00	54.00	-23.41	-6.58	-6.58	Horizontal
8713.25	51.17	41.27	5.12	56.29	46.39	74.00	54.00	-17.71	-7.61	-7.61	Horizontal
11053.5	50.78	40.36	9.93	60.71	50.29	74.00	54.00	-13.29	-3.71	-3.71	Horizontal
14400.25	50.51	40.04	11.42	61.93	51.46	74.00	54.00	-12.07	-2.54	-2.54	Horizontal

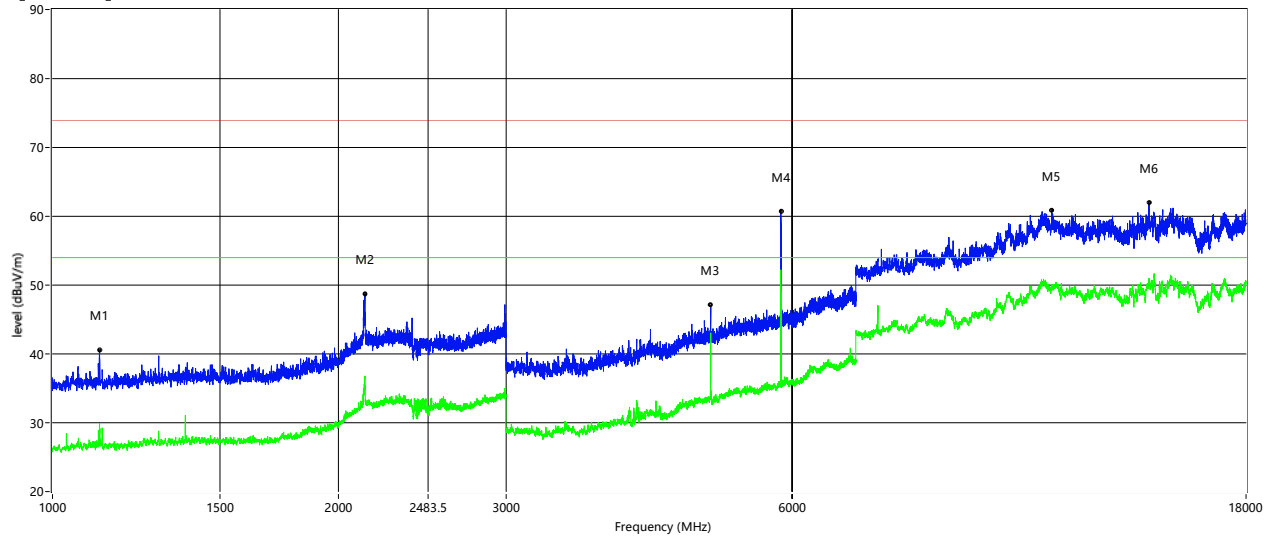
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802.11b H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	41.97	31.34	-1.44	40.53	29.90	74.00	54.00	-33.47	-24.10	-24.10	Vertical
2131.5	44.41	32.45	4.32	48.73	36.77	74.00	54.00	-25.27	-17.23	-17.23	Vertical
4924	53.47	49.40	-6.39	47.08	43.01	74.00	54.00	-26.92	-10.99	-10.99	Vertical
5838	64.84	55.54	-3.63	61.21	51.91	74.00	54.00	-12.79	-2.09	-2.09	Vertical
11248.75	51.25	40.53	9.57	60.82	50.10	74.00	54.00	-13.18	-3.90	-3.90	Vertical
14235.25	50.65	39.42	11.33	61.98	50.75	74.00	54.00	-12.02	-3.25	-3.25	Vertical

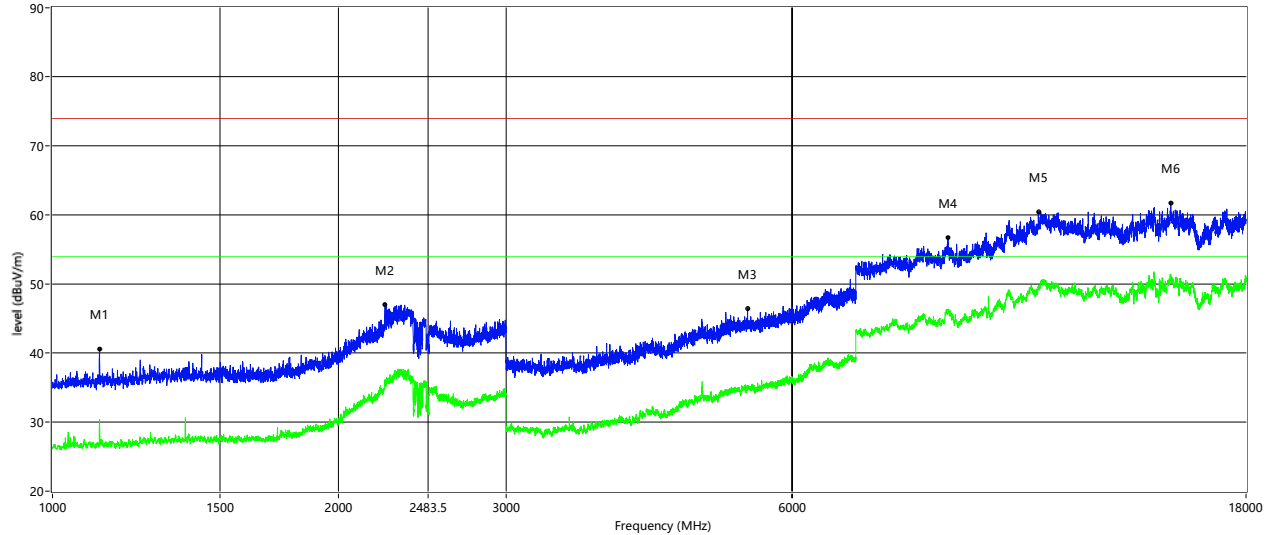
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802.11g L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1121	42.00	31.81	-1.44	40.56	30.37	74.00	54.00	-33.44	-23.63	-23.63	Horizontal
2238.5	42.54	31.58	4.52	47.06	36.10	74.00	54.00	-26.94	-17.90	-17.90	Horizontal
5385	51.28	39.80	-4.79	46.49	35.01	74.00	54.00	-27.51	-18.99	-18.99	Horizontal
8749	51.75	40.87	5.01	56.76	45.88	74.00	54.00	-17.24	-8.12	-8.12	Horizontal
10888.5	51.07	40.06	9.31	60.38	49.37	74.00	54.00	-13.62	-4.63	-4.63	Horizontal
15008	51.34	40.47	10.39	61.73	50.86	74.00	54.00	-12.27	-3.14	-3.14	Horizontal

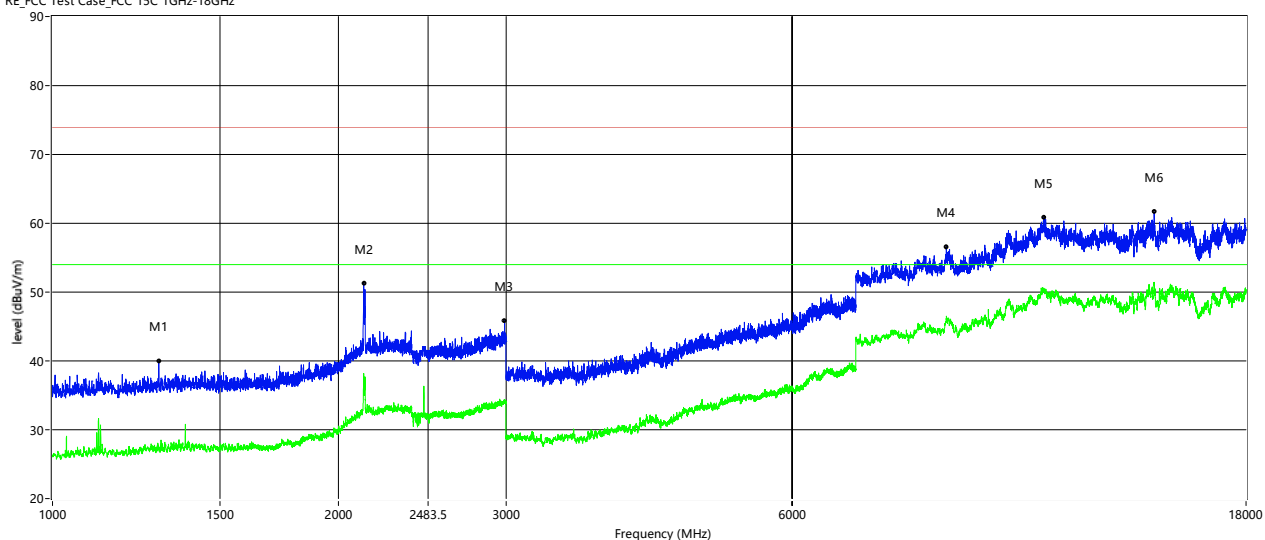
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802.11g L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1294	40.91	28.40	-0.93	39.98	27.47	74.00	54.00	-34.02	-26.53	-26.53	Vertical
2126	47.07	32.58	4.23	51.30	36.81	74.00	54.00	-22.70	-17.19	-17.19	Vertical
2989	39.86	28.30	6.06	45.92	34.36	74.00	54.00	-28.08	-19.64	-19.64	Vertical
8716	51.46	40.95	5.11	56.57	46.06	74.00	54.00	-17.43	-7.94	-7.94	Vertical
11039.75	50.88	40.08	10.01	60.89	50.09	74.00	54.00	-13.11	-3.91	-3.91	Vertical
14416.75	50.43	40.20	11.23	61.66	51.43	74.00	54.00	-12.34	-2.57	-2.57	Vertical

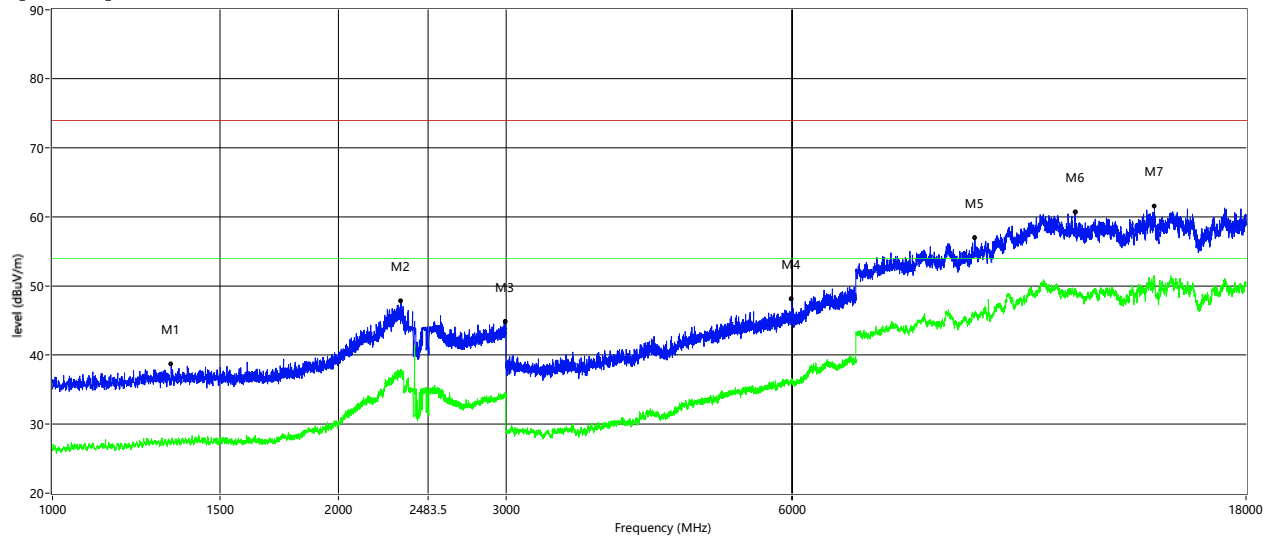
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802.11g M Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1333.5	39.50	28.37	-0.84	38.66	27.53	74.00	54.00	-35.34	-26.47	-26.47	Horizontal
2326	43.45	33.24	4.48	47.93	37.72	74.00	54.00	-26.07	-16.28	-16.28	Horizontal
2993	38.81	28.04	6.08	44.89	34.12	74.00	54.00	-29.11	-19.88	-19.88	Horizontal
5991	51.13	39.34	-3.05	48.08	36.29	74.00	54.00	-25.92	-17.71	-17.71	Horizontal
9337.5	51.74	40.55	5.25	56.99	45.80	74.00	54.00	-17.01	-8.20	-8.20	Horizontal
11897.75	51.94	40.54	8.73	60.67	49.27	74.00	54.00	-13.33	-4.73	-4.73	Horizontal

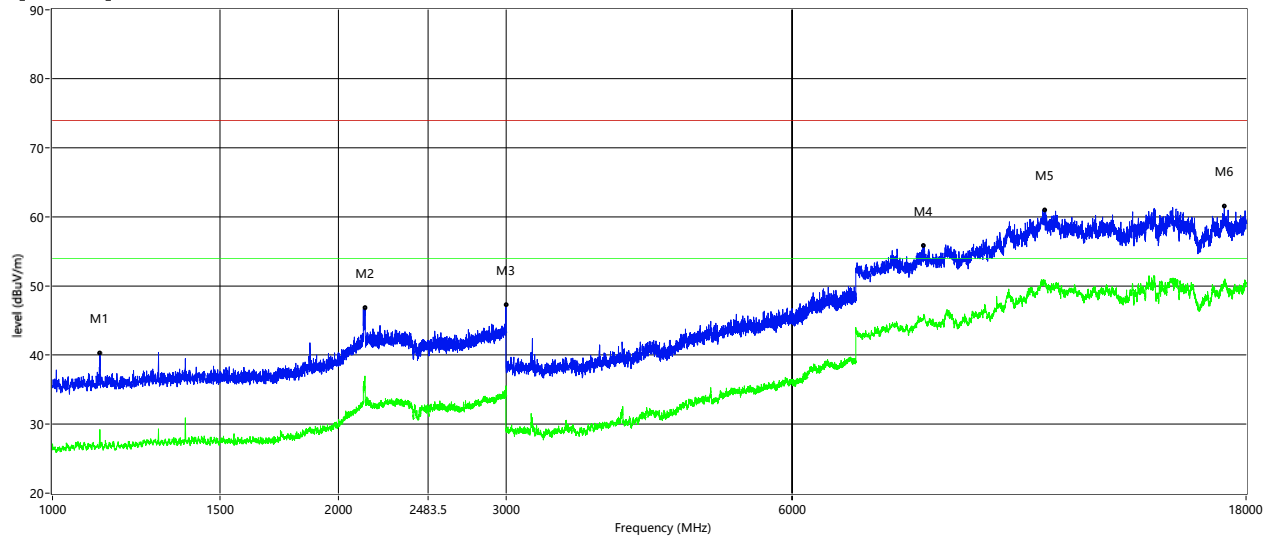
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RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1122	41.73	30.67	-1.44	40.29	29.23	74.00	54.00	-33.71	-24.77	-24.77	Vertical
2132.5	42.54	31.21	4.34	46.88	35.55	74.00	54.00	-27.12	-18.45	-18.45	Vertical
2999	41.18	29.41	6.11	47.29	35.52	74.00	54.00	-26.71	-18.48	-18.48	Vertical
8237.5	51.65	41.02	4.21	55.86	45.23	74.00	54.00	-18.14	-8.77	-8.77	Vertical
11047.999	51.04	40.41	9.96	61.00	50.37	74.00	54.00	-13.00	-3.63	-3.63	Vertical
17076	51.21	40.06	10.31	61.52	50.37	74.00	54.00	-12.48	-3.63	-3.63	Vertical

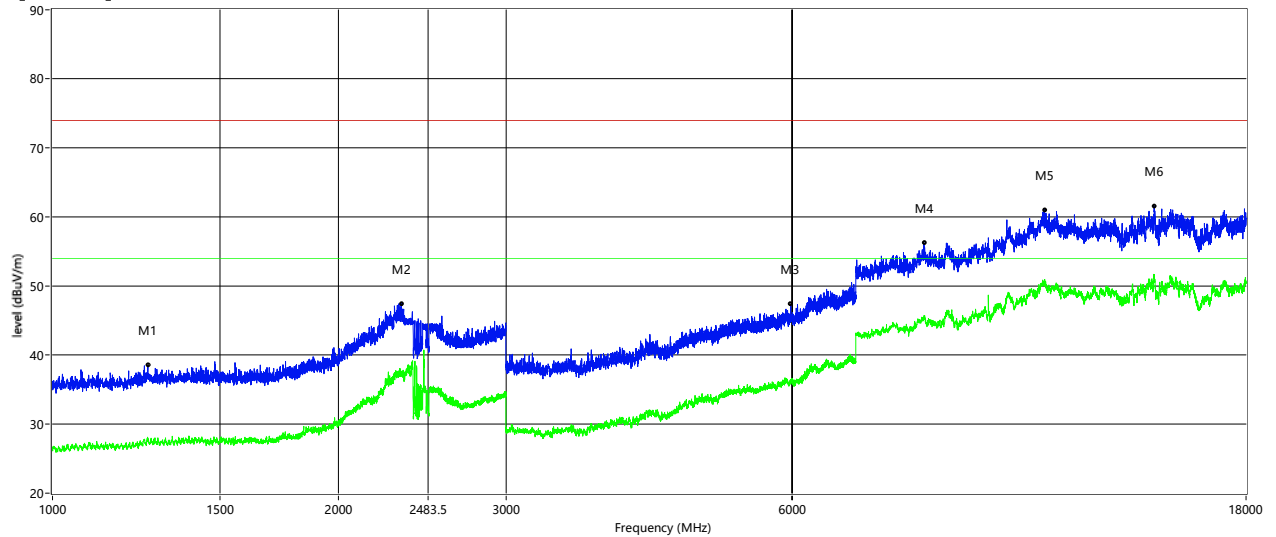
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802.11g H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1260	39.45	28.83	-0.92	38.53	27.91	74.00	54.00	-35.47	-26.09	-26.09	Horizontal
2327	43.00	32.52	4.47	47.47	36.99	74.00	54.00	-26.53	-17.01	-17.01	Horizontal
5977	50.48	39.31	-3.08	47.40	36.23	74.00	54.00	-26.60	-17.77	-17.77	Horizontal
8254	52.03	41.08	4.22	56.25	45.30	74.00	54.00	-17.75	-8.70	-8.70	Horizontal
11045.25	51.07	40.29	9.98	61.05	50.27	74.00	54.00	-12.95	-3.73	-3.73	Horizontal
14414	50.32	40.36	11.26	61.58	51.62	74.00	54.00	-12.42	-2.38	-2.38	Horizontal

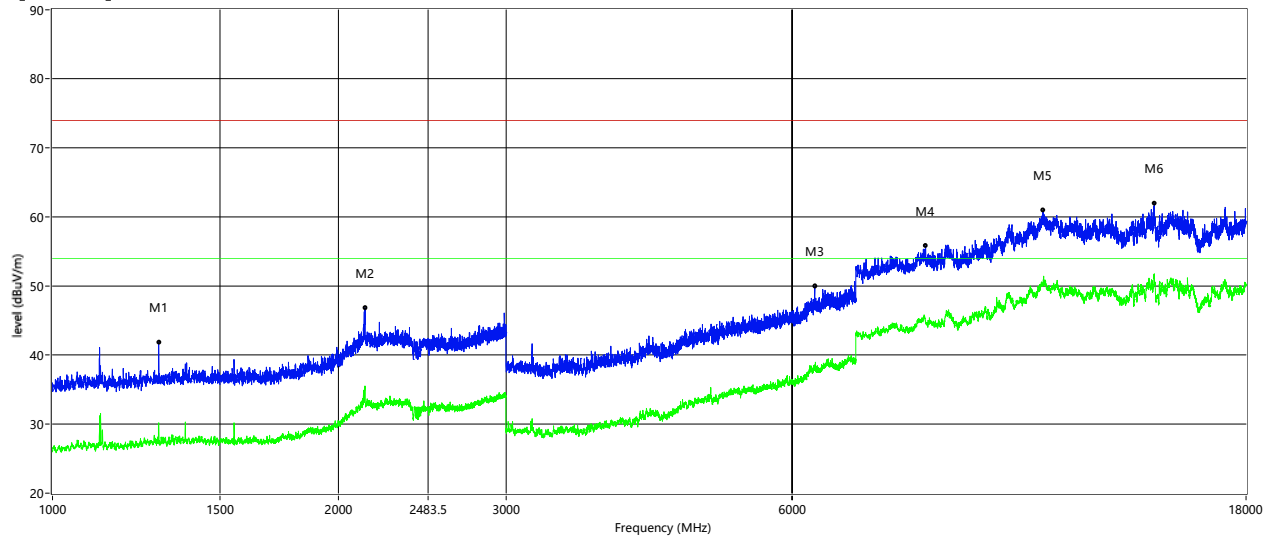
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802.11g H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1294	42.77	31.10	-0.93	41.84	30.17	74.00	54.00	-32.16	-23.83	-23.83	Vertical
2132.5	42.54	31.16	4.34	46.88	35.50	74.00	54.00	-27.12	-18.50	-18.50	Vertical
6334	51.35	39.34	-1.41	49.94	37.93	74.00	54.00	-24.06	-16.07	-16.07	Vertical
8289.75	51.56	40.36	4.24	55.80	44.60	74.00	54.00	-18.20	-9.40	-9.40	Vertical
11009.5	50.76	40.13	10.17	60.93	50.30	74.00	54.00	-13.07	-3.70	-3.70	Vertical
14422.25	50.78	39.83	11.16	61.94	50.99	74.00	54.00	-12.06	-3.01	-3.01	Vertical

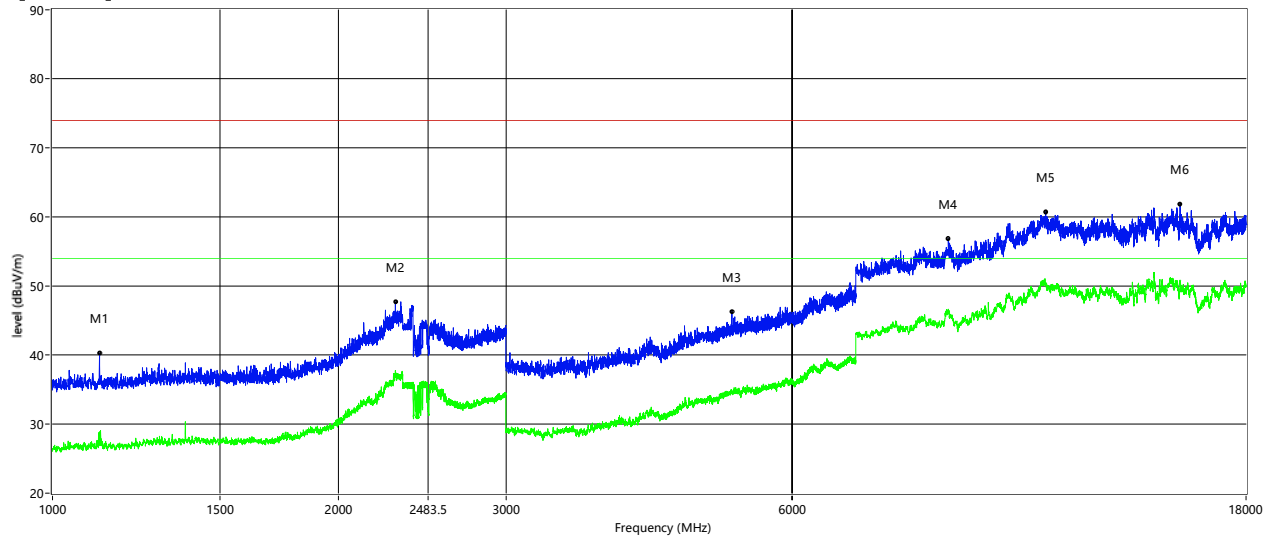
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802.11n(HT20) L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1121	41.70	29.55	-1.44	40.26	28.11	74.00	54.00	-33.74	-25.89	-25.89	Horizontal
2295	43.07	33.17	4.59	47.66	37.76	74.00	54.00	-26.34	-16.24	-16.24	Horizontal
5184	51.27	39.43	-4.99	46.28	34.44	74.00	54.00	-27.72	-19.56	-19.56	Horizontal
8757.25	51.85	41.65	4.98	56.83	46.63	74.00	54.00	-17.17	-7.37	-7.37	Horizontal
11083.75	50.97	40.51	9.77	60.74	50.28	74.00	54.00	-13.26	-3.72	-3.72	Horizontal
15346.25	51.46	40.21	10.43	61.89	50.64	74.00	54.00	-12.11	-3.36	-3.36	Horizontal

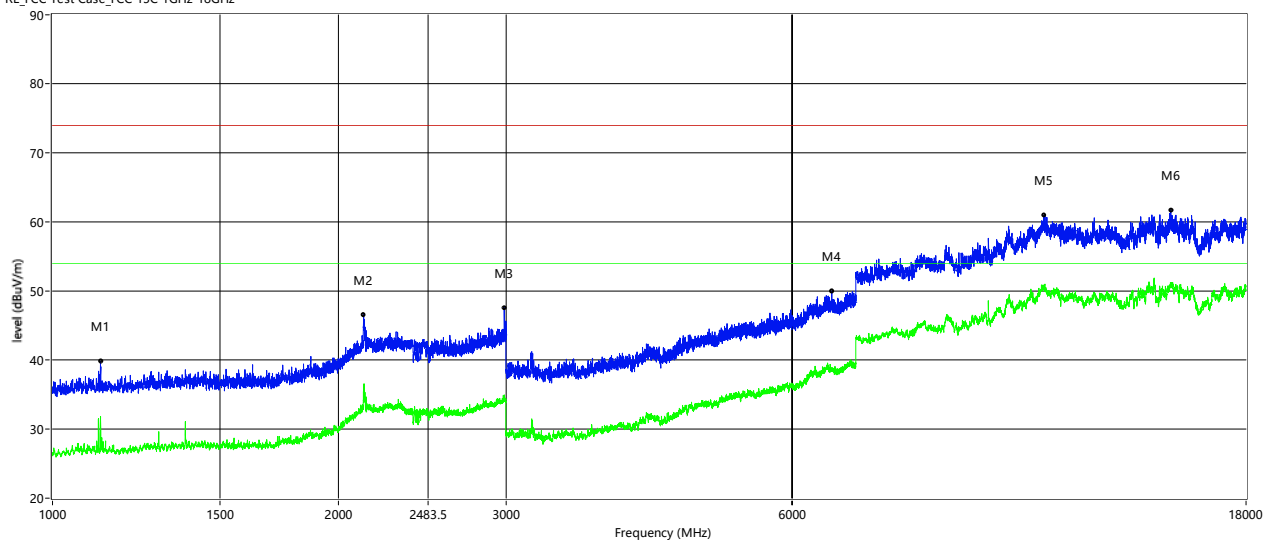
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RE_FCC Test Case_FCC 15C 1GHz-18GHz



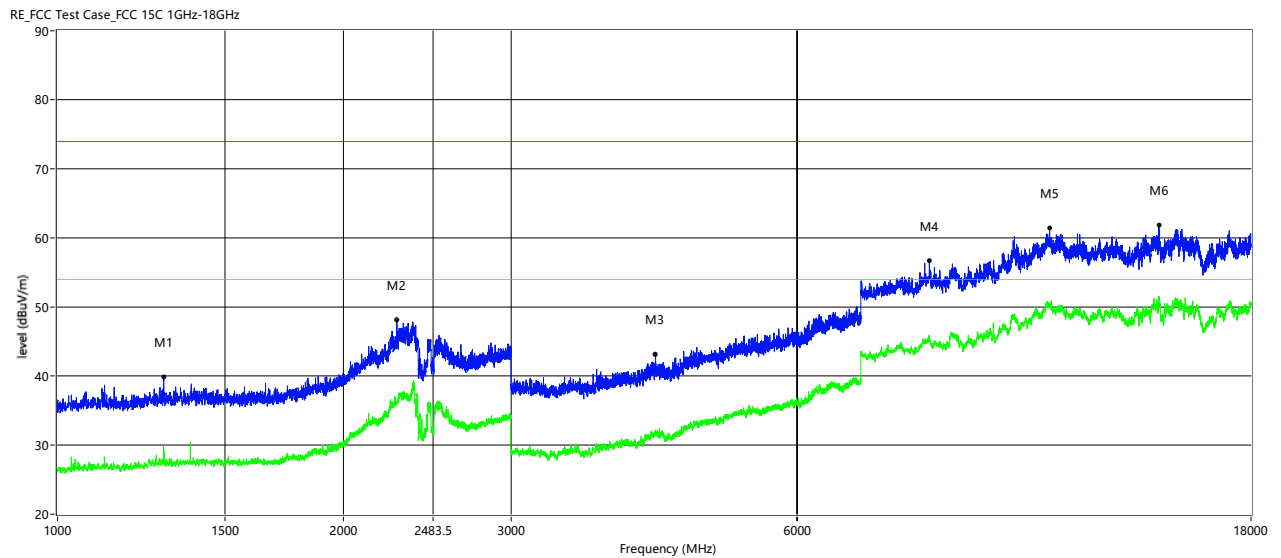
Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1123.5	41.27	33.26	-1.44	39.83	31.82	74.00	54.00	-34.17	-22.18	-22.18	Vertical
2124.5	42.40	31.49	4.2	46.60	35.69	74.00	54.00	-27.40	-18.31	-18.31	Vertical
2988	41.56	28.88	6.06	47.62	34.94	74.00	54.00	-26.38	-19.06	-19.06	Vertical
6603	50.42	39.23	-0.45	49.97	38.78	74.00	54.00	-24.03	-15.22	-15.22	Vertical
11031.5	50.92	40.43	10.05	60.97	50.48	74.00	54.00	-13.03	-3.52	-3.52	Vertical
15005.25	51.31	40.48	10.4	61.71	50.88	74.00	54.00	-12.29	-3.12	-3.12	Vertical

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802.11n(HT20) M Channel



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1294	40.73	30.57	-0.93	39.80	29.64	74.00	54.00	-34.20	-24.36	-24.36	Horizontal
2275.5	43.52	31.60	4.61	48.13	36.21	74.00	54.00	-25.87	-17.79	-17.79	Horizontal
4257	52.16	41.18	-8.99	43.17	32.19	74.00	54.00	-30.83	-21.81	-21.81	Horizontal
8262.25	52.46	41.14	4.22	56.68	45.36	74.00	54.00	-17.32	-8.64	-8.64	Horizontal
11053.5	51.47	40.11	9.93	61.40	50.04	74.00	54.00	-12.60	-3.96	-3.96	Horizontal
14400.25	50.38	40.01	11.42	61.80	51.43	74.00	54.00	-12.20	-2.57	-2.57	Horizontal

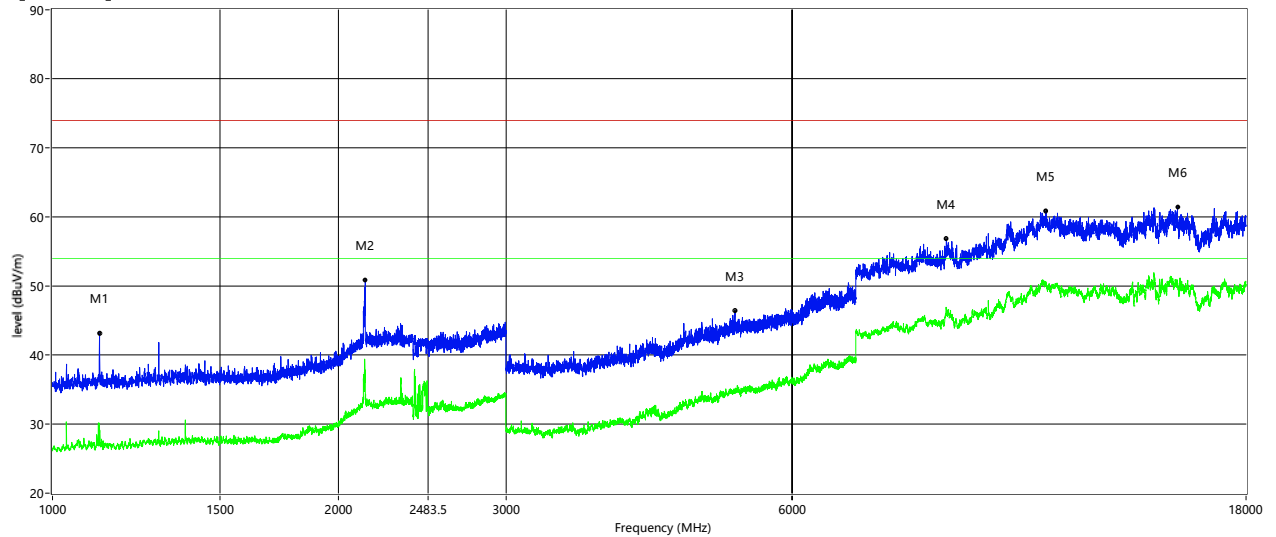
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802.11n(HT20) M Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	44.59	30.23	-1.44	43.15	28.79	74.00	54.00	-30.85	-25.21	-25.21	Vertical
2133	46.56	33.48	4.35	50.91	37.83	74.00	54.00	-23.09	-16.17	-16.17	Vertical
5223	51.36	39.34	-4.91	46.45	34.43	74.00	54.00	-27.55	-19.57	-19.57	Vertical
8716	51.69	40.98	5.11	56.80	46.09	74.00	54.00	-17.20	-7.91	-7.91	Vertical
11094.75	51.20	40.55	9.71	60.91	50.26	74.00	54.00	-13.09	-3.74	-3.74	Vertical
15250	50.98	40.18	10.51	61.49	50.69	74.00	54.00	-12.51	-3.31	-3.31	Vertical

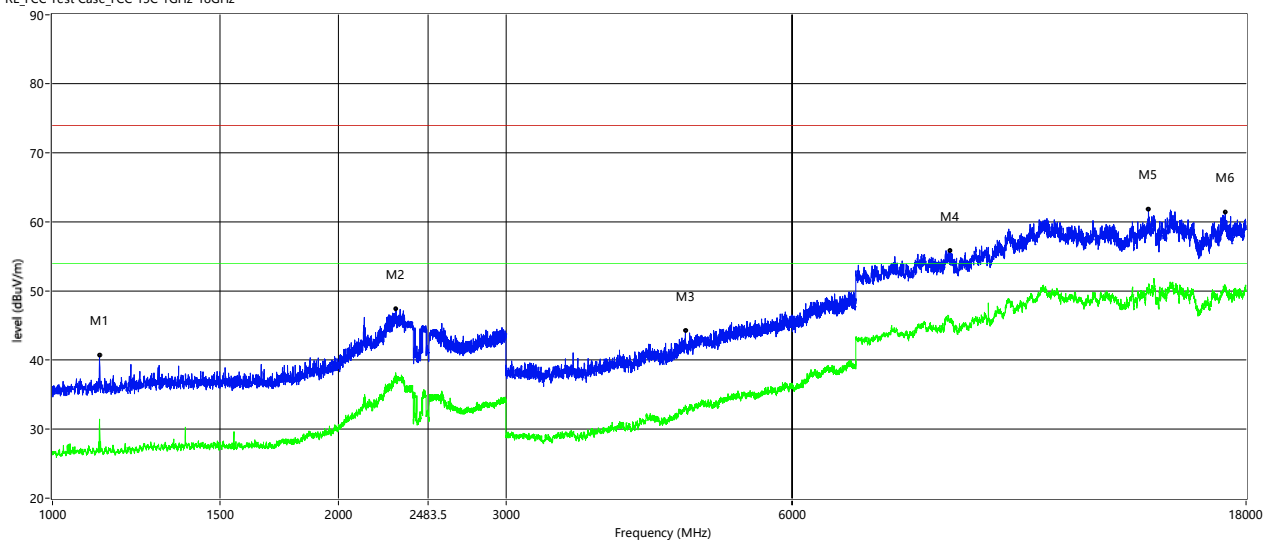
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802.11n(HT20) H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1121	42.12	32.86	-1.44	40.68	31.42	74.00	54.00	-33.32	-22.58	-22.58	Horizontal
2295.5	42.89	32.53	4.59	47.48	37.12	74.00	54.00	-26.52	-16.88	-16.88	Horizontal
4631	51.81	41.00	-7.54	44.27	33.46	74.00	54.00	-29.73	-20.54	-20.54	Horizontal
8793	51.01	41.06	4.87	55.88	45.93	74.00	54.00	-18.12	-8.07	-8.07	Horizontal
14218.75	50.42	38.48	11.46	61.88	49.94	74.00	54.00	-12.12	-4.06	-4.06	Horizontal
17117.25	50.97	40.14	10.39	61.36	50.53	74.00	54.00	-12.64	-3.47	-3.47	Horizontal

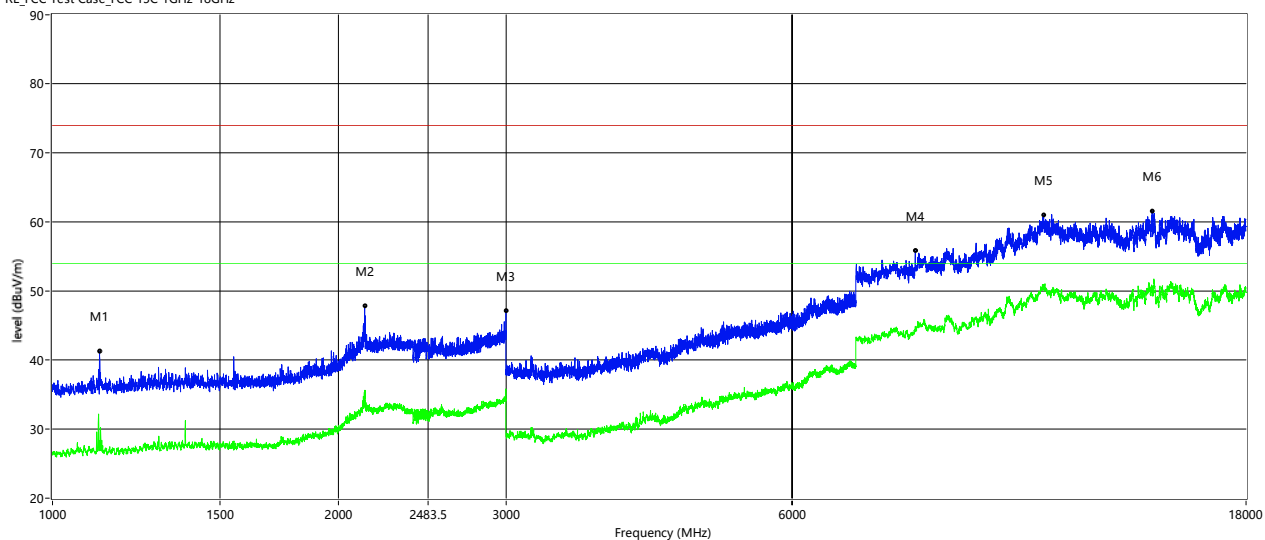
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802.11n(HT20) H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	42.69	29.72	-1.44	41.25	28.28	74.00	54.00	-32.75	-25.72	-25.72	Vertical
2130	43.52	31.24	4.3	47.82	35.54	74.00	54.00	-26.18	-18.46	-18.46	Vertical
2999.5	41.09	29.67	6.11	47.20	35.78	74.00	54.00	-26.80	-18.22	-18.22	Vertical
8080.75	51.72	40.73	4.12	55.84	44.85	74.00	54.00	-18.16	-9.15	-9.15	Vertical
11028.75	50.95	40.31	10.06	61.01	50.37	74.00	54.00	-12.99	-3.63	-3.63	Vertical
14342.5	50.52	39.25	11.08	61.60	50.33	74.00	54.00	-12.40	-3.67	-3.67	Vertical

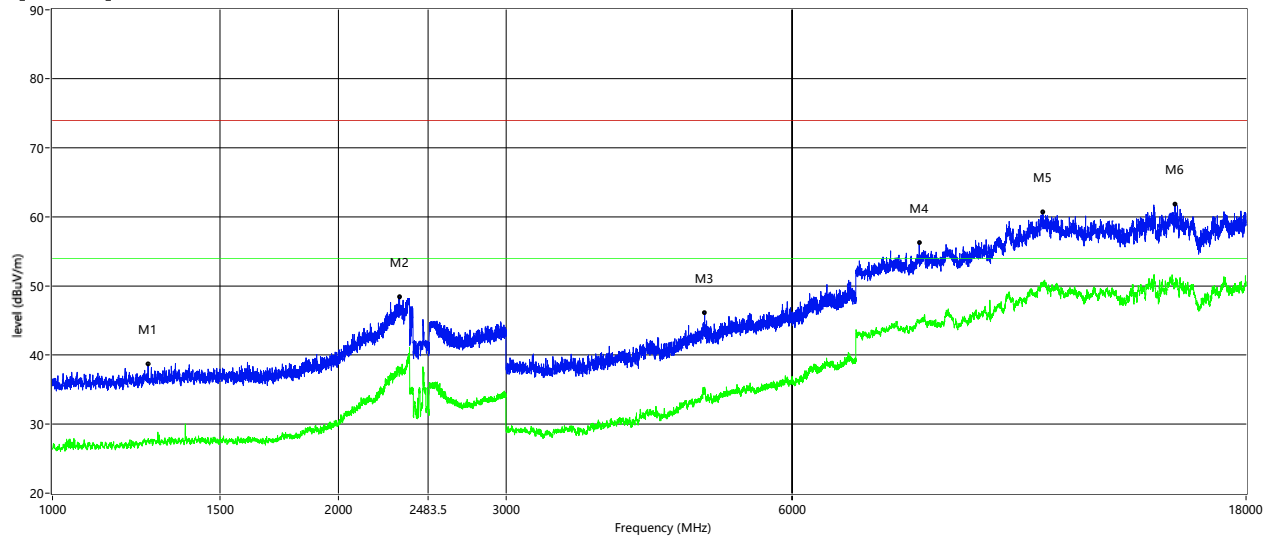
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802.11n(HT40) L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1261	39.60	28.34	-0.92	38.68	27.42	74.00	54.00	-35.32	-26.58	-26.58	Horizontal
2318.5	43.97	33.71	4.51	48.48	38.22	74.00	54.00	-25.52	-15.78	-15.78	Horizontal
4854	52.84	42.00	-6.66	46.18	35.34	74.00	54.00	-27.82	-18.66	-18.66	Horizontal
8160.5	52.13	40.81	4.19	56.32	45.00	74.00	54.00	-17.68	-9.00	-9.00	Horizontal
11004	50.55	40.11	10.2	60.75	50.31	74.00	54.00	-13.25	-3.69	-3.69	Horizontal
15164.75	51.06	39.74	10.78	61.84	50.52	74.00	54.00	-12.16	-3.48	-3.48	Horizontal

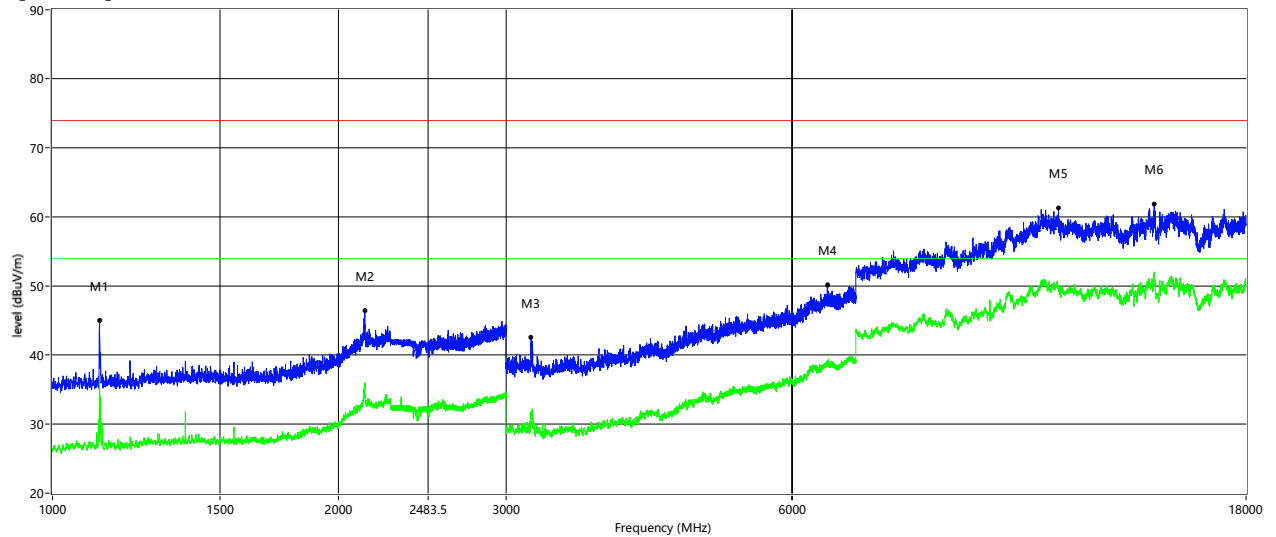
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802.11n(HT40) L Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	46.39	39.40	-1.44	44.95	37.96	74.00	54.00	-29.05	-16.04	-16.04	Vertical
2131	42.18	31.70	4.31	46.49	36.01	74.00	54.00	-27.51	-17.99	-17.99	Vertical
3189	54.71	43.92	-12.16	42.55	31.76	74.00	54.00	-31.45	-22.24	-22.24	Vertical
6533	50.61	39.45	-0.42	50.19	39.03	74.00	54.00	-23.81	-14.97	-14.97	Vertical
11430.25	51.49	40.05	9.81	61.30	49.86	74.00	54.00	-12.70	-4.14	-4.14	Vertical
14416.75	50.64	40.49	11.23	61.87	51.72	74.00	54.00	-12.13	-2.28	-2.28	Vertical

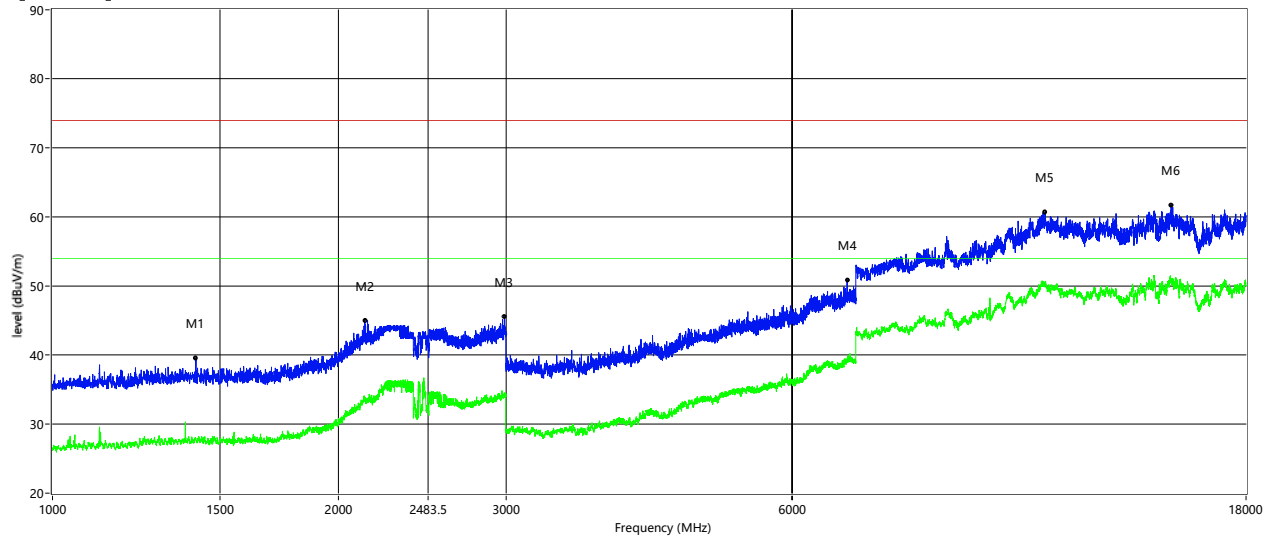
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802.11n(HT40) M Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1415.5	40.25	28.44	-0.64	39.61	27.80	74.00	54.00	-34.39	-26.20	-26.20	Horizontal
2131	40.74	29.64	4.31	45.05	33.95	74.00	54.00	-28.95	-20.05	-20.05	Horizontal
2989.5	39.47	27.83	6.06	45.53	33.89	74.00	54.00	-28.47	-20.11	-20.11	Horizontal
6853	50.67	38.77	0.23	50.90	39.00	74.00	54.00	-23.10	-15.00	-15.00	Horizontal
11067.25	50.79	40.64	9.86	60.65	50.50	74.00	54.00	-13.35	-3.50	-3.50	Horizontal
15016.25	51.32	40.03	10.38	61.70	50.41	74.00	54.00	-12.30	-3.59	-3.59	Horizontal

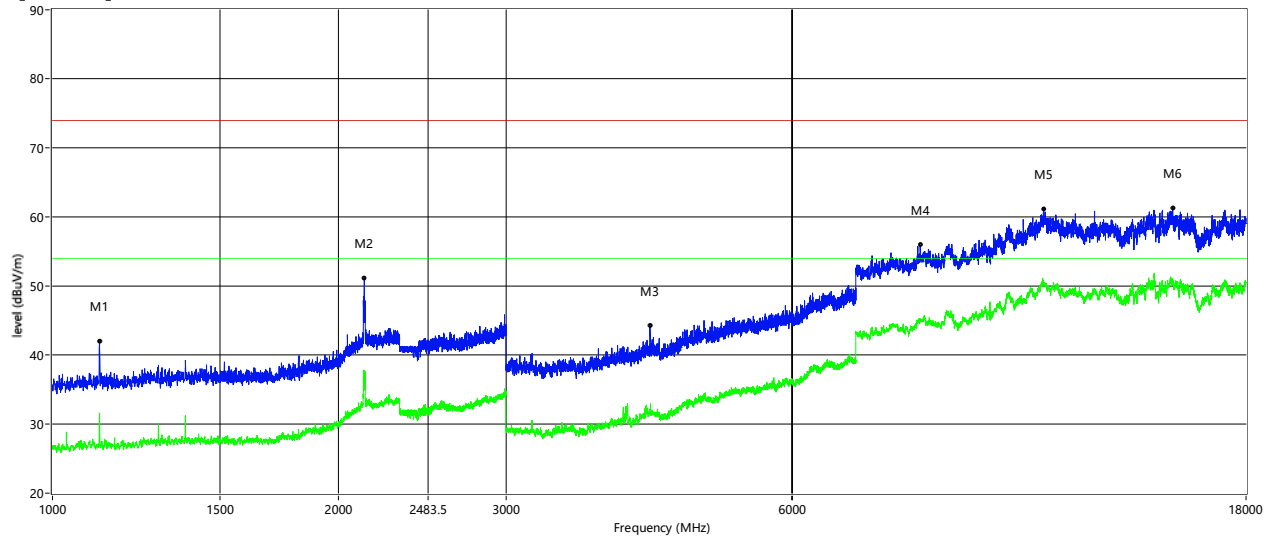
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802.11n(HT40) M Channel

RE_FCC Test Case_FCC 15B 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1121	43.45	32.99	-1.44	42.01	31.55	74.00	54.00	-31.99	-22.45	-22.45	Vertical
2128.5	46.83	32.96	4.27	51.10	37.23	74.00	54.00	-22.90	-16.77	-16.77	Vertical
4252	53.26	41.13	-9	44.26	32.13	74.00	54.00	-29.74	-21.87	-21.87	Vertical
8179.75	51.76	40.60	4.19	55.95	44.79	74.00	54.00	-18.05	-9.21	-9.21	Vertical
11034.25	51.14	40.43	10.04	61.18	50.47	74.00	54.00	-12.82	-3.53	-3.53	Vertical
15074	50.99	40.67	10.33	61.32	51.00	74.00	54.00	-12.68	-3.00	-3.00	Vertical

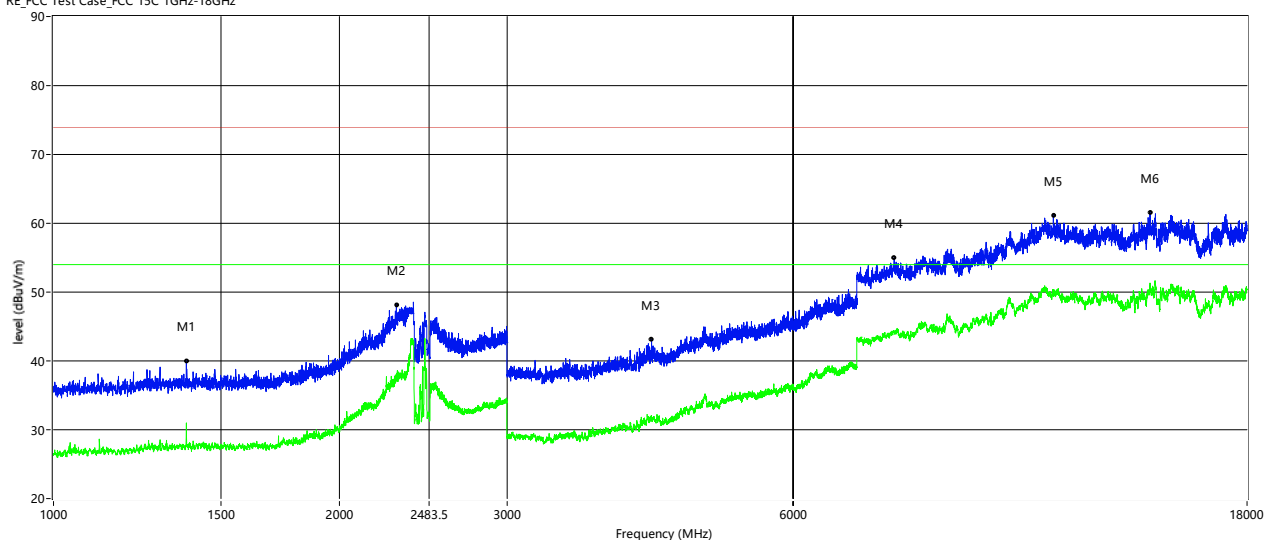
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802.11n(HT40) H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Reading (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin (dB)	ANT
1380	40.70	31.72	-0.71	39.99	31.01	74.00	54.00	-34.01	-22.99	-22.99	Horizontal
2295	43.58	33.06	4.59	48.17	37.65	74.00	54.00	-25.83	-16.35	-16.35	Horizontal
4257	52.11	41.00	-8.99	43.12	32.01	74.00	54.00	-30.88	-21.99	-21.99	Horizontal
7662.75	51.21	40.25	3.79	55.00	44.04	74.00	54.00	-19.00	-9.96	-9.96	Horizontal
11265.25	51.66	40.40	9.55	61.21	49.95	74.00	54.00	-12.79	-4.05	-4.05	Horizontal
14238	50.27	39.66	11.31	61.58	50.97	74.00	54.00	-12.42	-3.03	-3.03	Horizontal

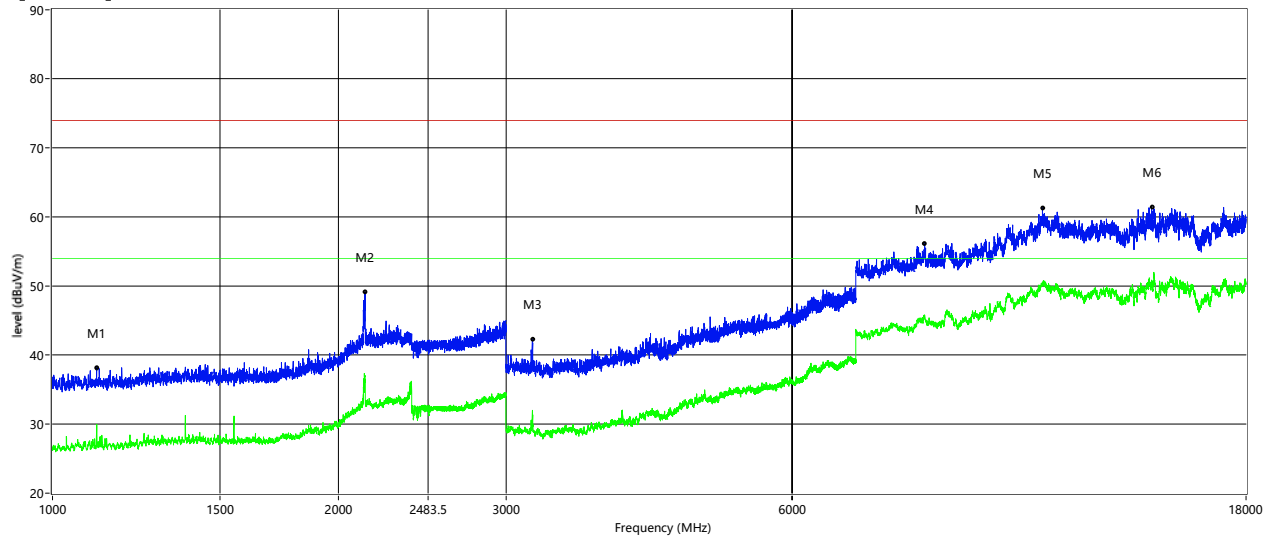
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802.11n(HT40) H Channel

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Reading (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	Peak Level (dBuV/m)	Average Level (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Over Limit (dB)	AV Over Limit (dB)	Min Margin(dB)	ANT
1113	39.67	31.00	-1.46	38.21	29.54	74.00	54.00	-35.79	-24.46	-24.46	Vertical
2132	44.80	32.67	4.33	49.13	37.00	74.00	54.00	-24.87	-17.00	-17.00	Vertical
3198	54.41	44.15	-12.13	42.28	32.02	74.00	54.00	-31.72	-21.98	-21.98	Vertical
8267.75	51.90	41.00	4.23	56.13	45.23	74.00	54.00	-17.87	-8.77	-8.77	Vertical
10998.5	51.13	39.83	10.21	61.34	50.04	74.00	54.00	-12.66	-3.96	-3.96	Vertical
14328.75	50.38	39.87	11	61.38	50.87	74.00	54.00	-12.62	-3.13	-3.13	Vertical

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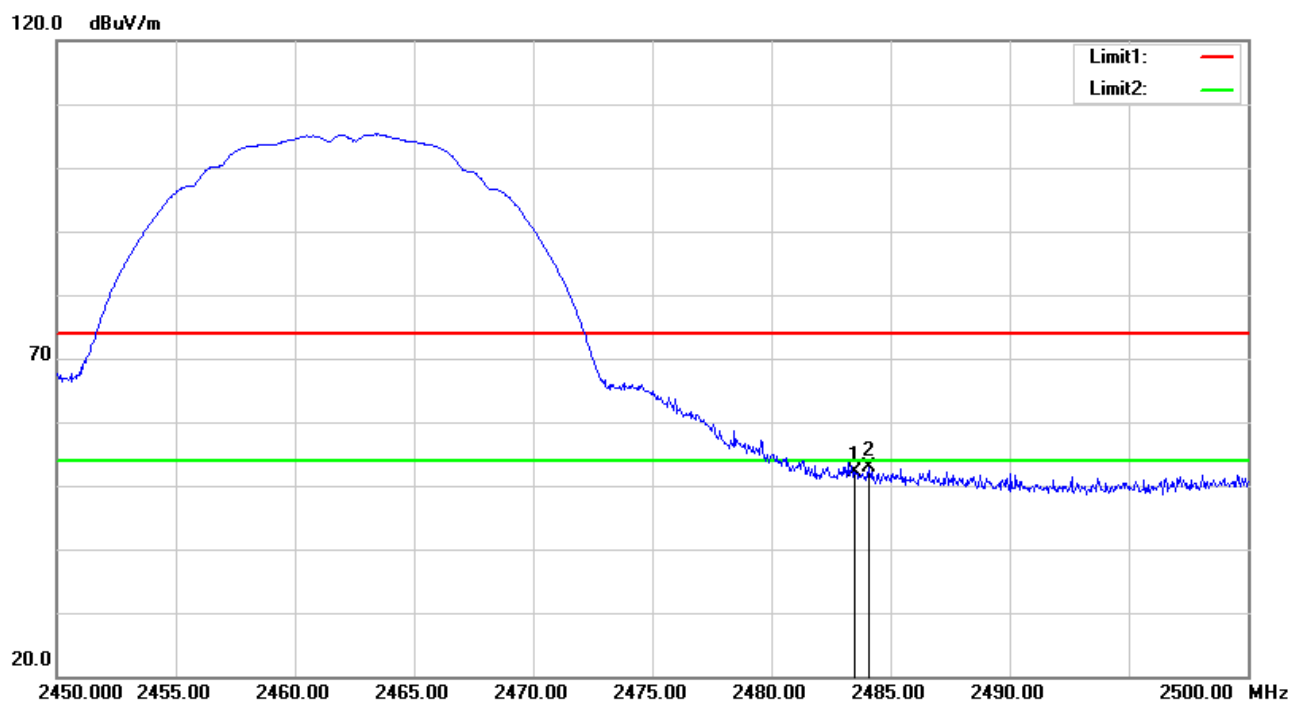
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Band Edge

802.11b

Mode: 802.11b_H Channel

Ant.Polar.: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	47.41	4.60	52.01	74.00	-21.99	peak
2	2484.100	48.21	4.61	52.82	74.00	-21.18	peak

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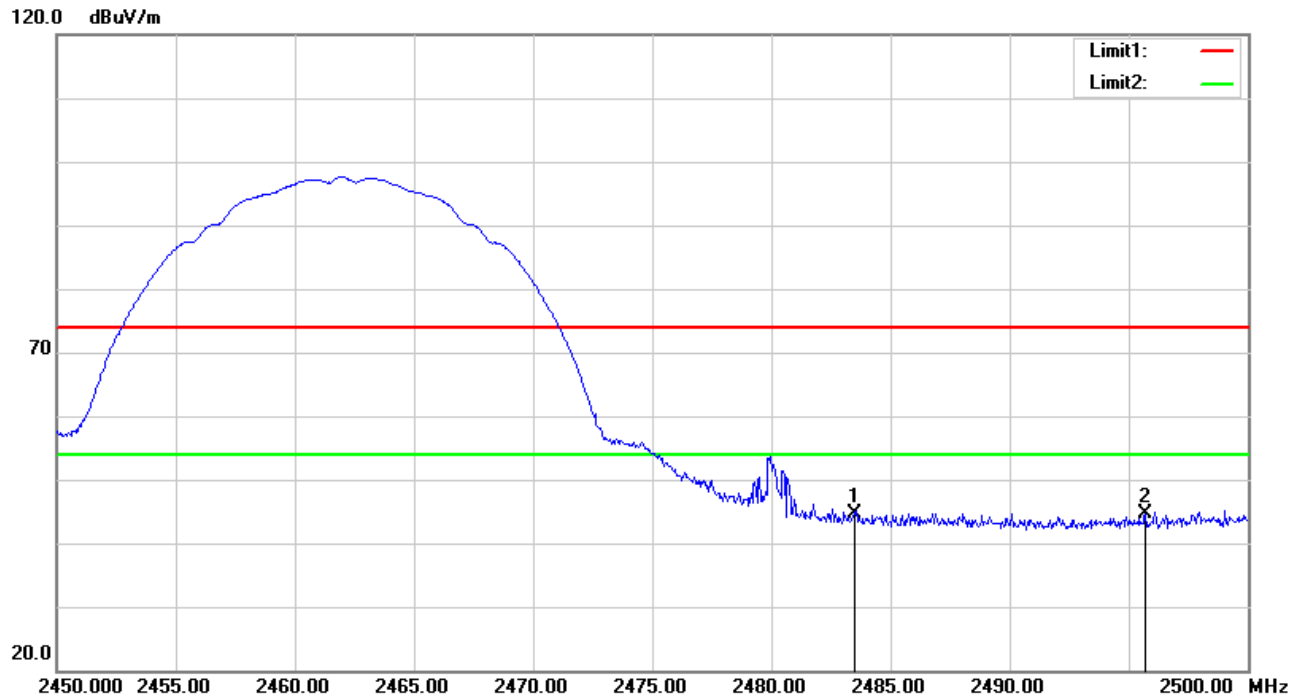
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Mode: 802.11b_H Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.09	4.60	44.69	74.00	-29.31	peak
2	2495.700	40.10	4.64	44.74	74.00	-29.26	peak

Prüfbericht - Nr.:

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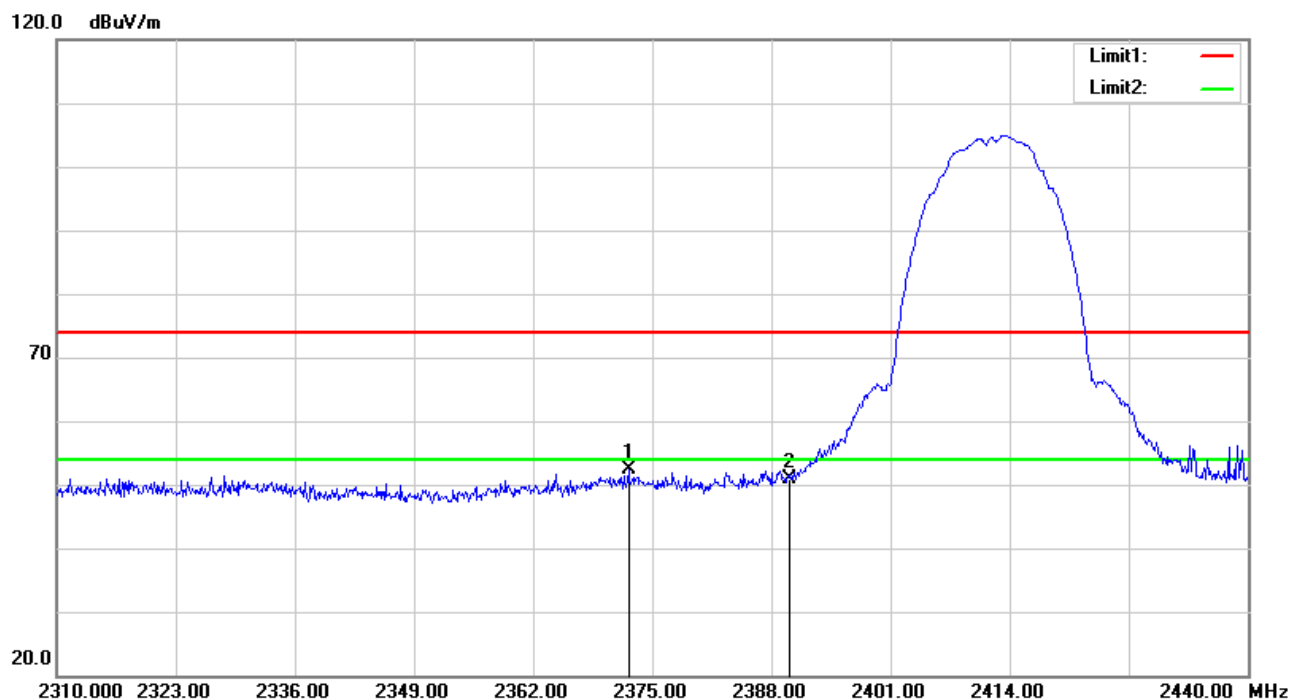
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Mode: 802.11b_L Channel

Ant.Polar.:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2372.400	48.40	4.08	52.48	74.00	-21.52	peak
2	2390.000	46.50	4.34	50.84	74.00	-23.16	peak

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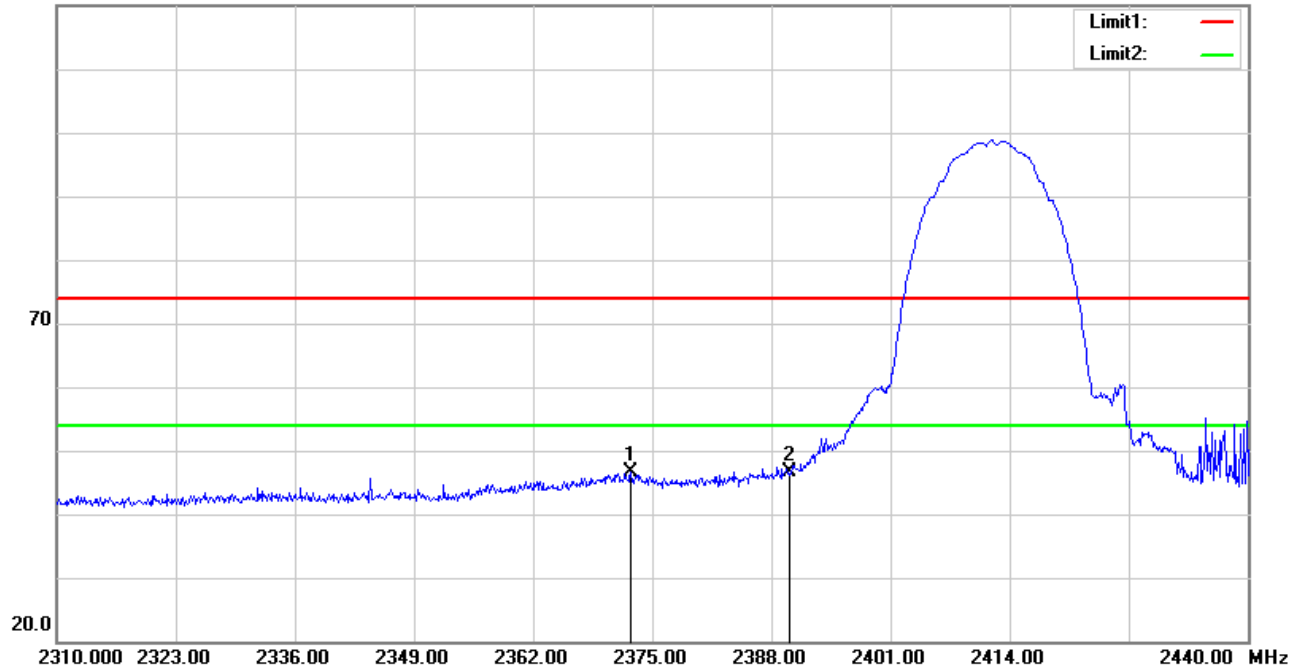
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Mode: 802.11b_L Channel

Ant.Polar.:

Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2372.660	42.45	4.08	46.53	74.00	-27.47	peak
2	2390.000	42.17	4.34	46.51	74.00	-27.49	peak

Prüfbericht - Nr.:

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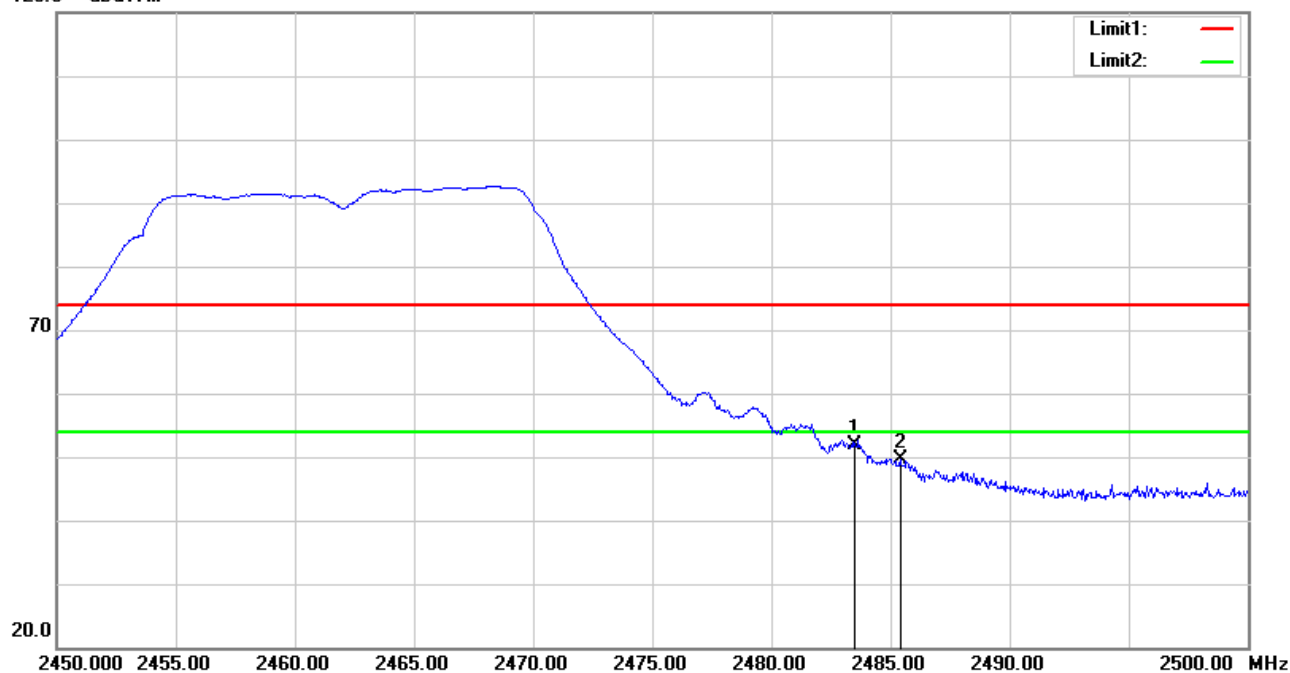
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802.11g

Mode: 802.11g_H Channel Ant.Polar.: Horizontal

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	47.40	4.60	52.00	74.00	-22.00	peak
2	2485.400	44.94	4.61	49.55	74.00	-24.45	peak

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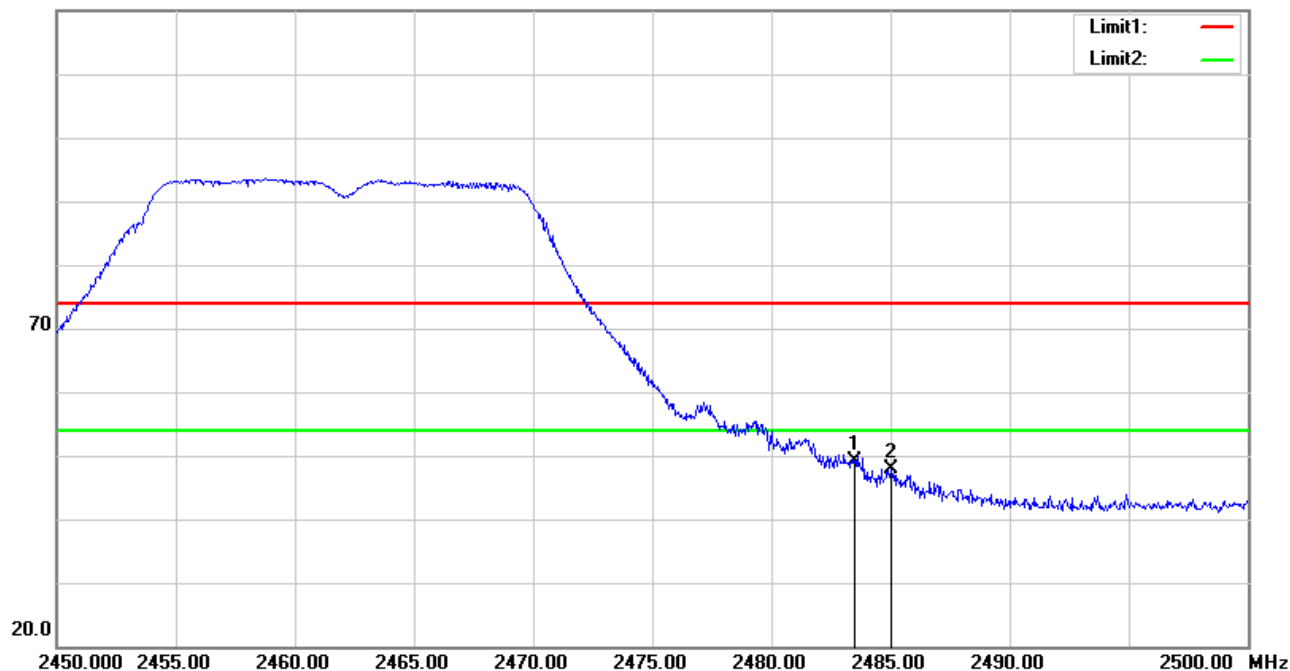
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Mode: 802.11g_H Channel

Ant.Polar.:

Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	44.58	4.60	49.18	74.00	-24.82	peak
2	2485.050	43.32	4.61	47.93	74.00	-26.07	peak

Prüfbericht - Nr.:

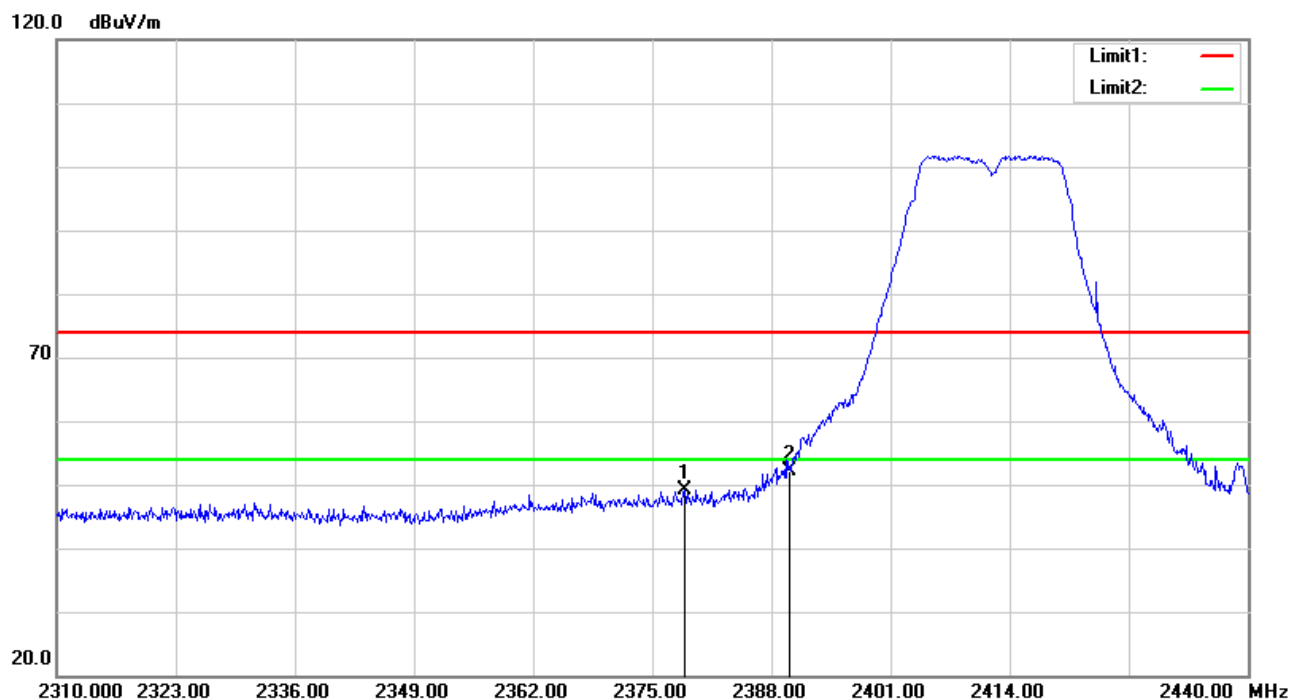
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Mode: 802.11g_L Channel Ant.Polar.: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.510	45.03	4.17	49.20	74.00	-24.80	peak
2	2390.000	47.81	4.34	52.15	74.00	-21.85	peak

Prüfbericht - Nr.:

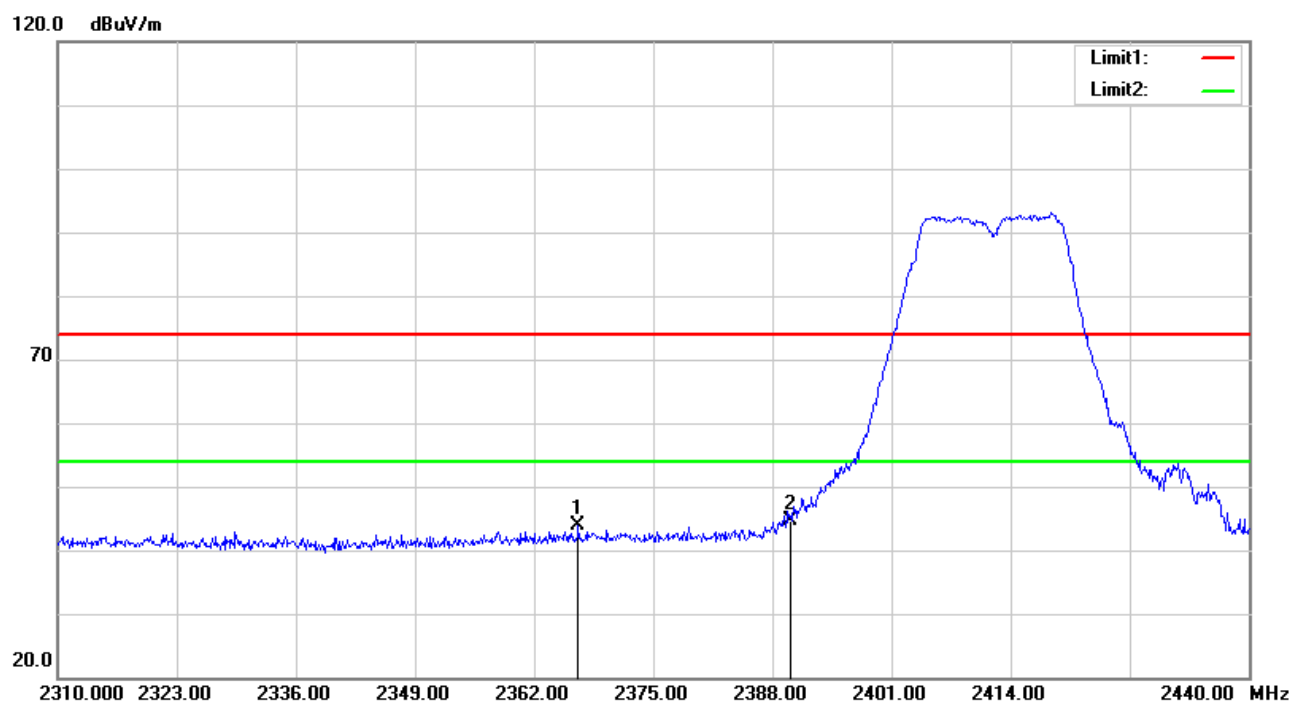
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Mode: 802.11g_L Channel Ant.Polar.: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.810	39.82	3.99	43.81	74.00	-30.19	peak
2	2390.000	40.41	4.34	44.75	74.00	-29.25	peak

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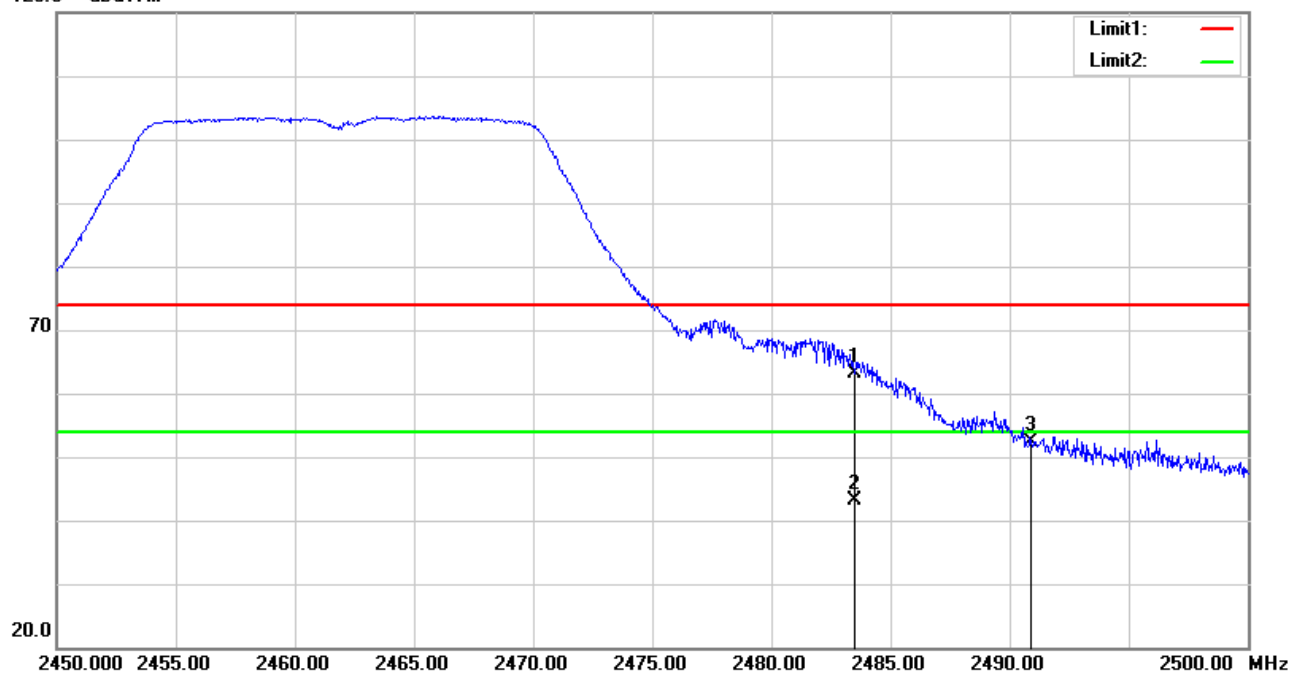
802.11n(HT20)

Job No.: 802.11n(HT20) H Channel

Ant.Polar.:

Horizontal

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.45	4.60	63.05	74.00	-10.95	peak
2	2483.500	38.57	4.60	43.17	54.00	-10.83	AVG
3	2490.900	47.85	4.63	52.48	74.00	-21.52	peak

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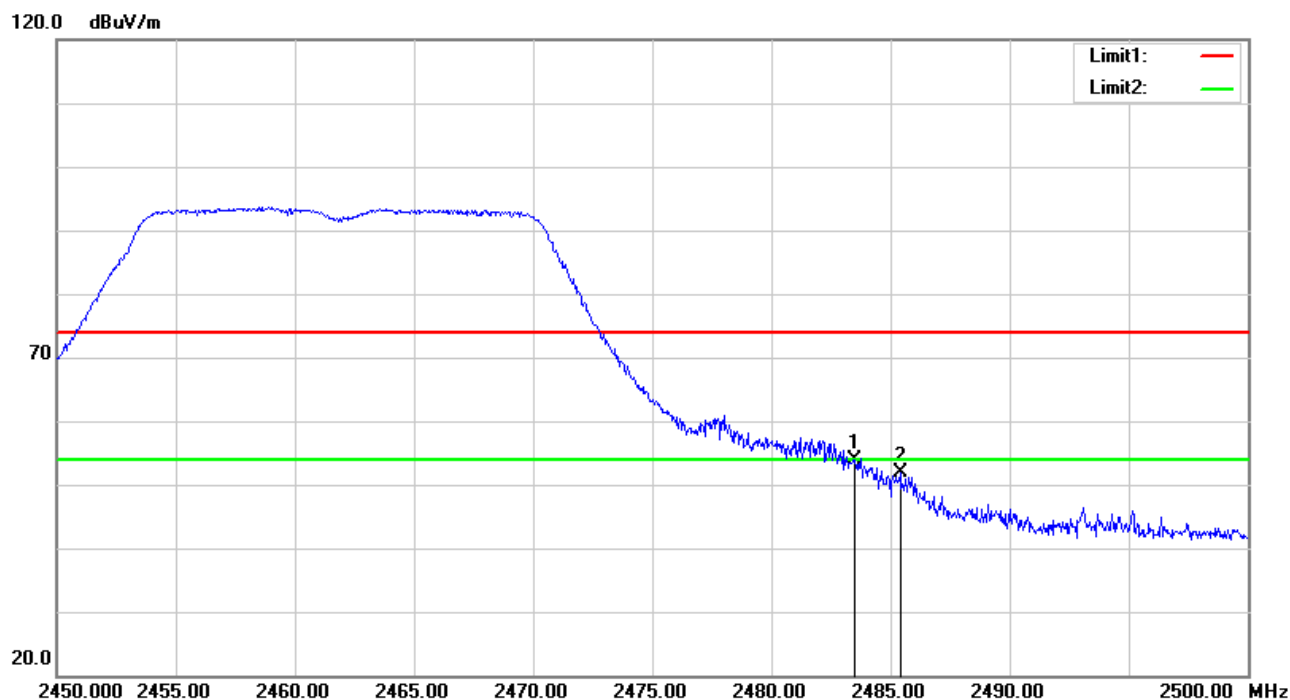
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Job No.: 802.11n(HT20) H Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	49.23	4.60	53.83	74.00	-20.17	peak
2	2485.400	47.27	4.61	51.88	74.00	-22.12	peak

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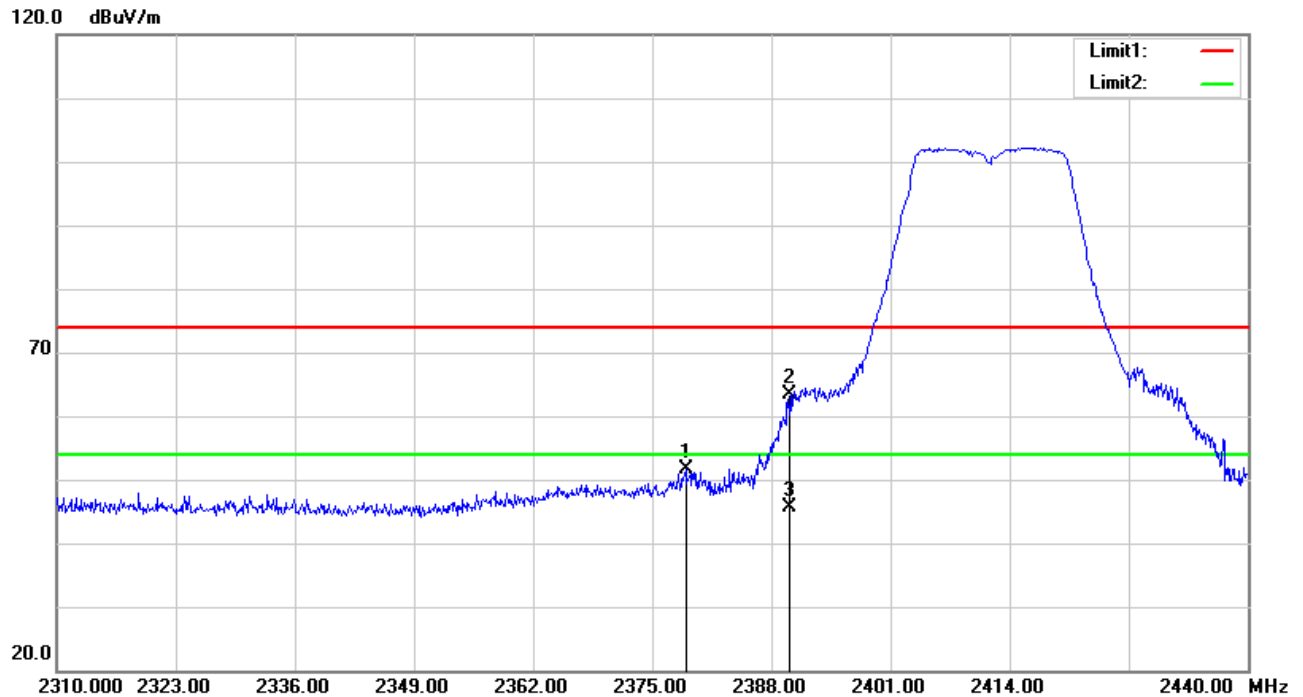
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Job No.: 802.11n(HT20) L Channel

Ant.Polar.:

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.640	47.49	4.17	51.66	74.00	-22.34	peak
2	2390.000	58.96	4.34	63.30	74.00	-10.70	peak
3	2390.000	41.24	4.34	45.58	54.00	-8.42	AVG

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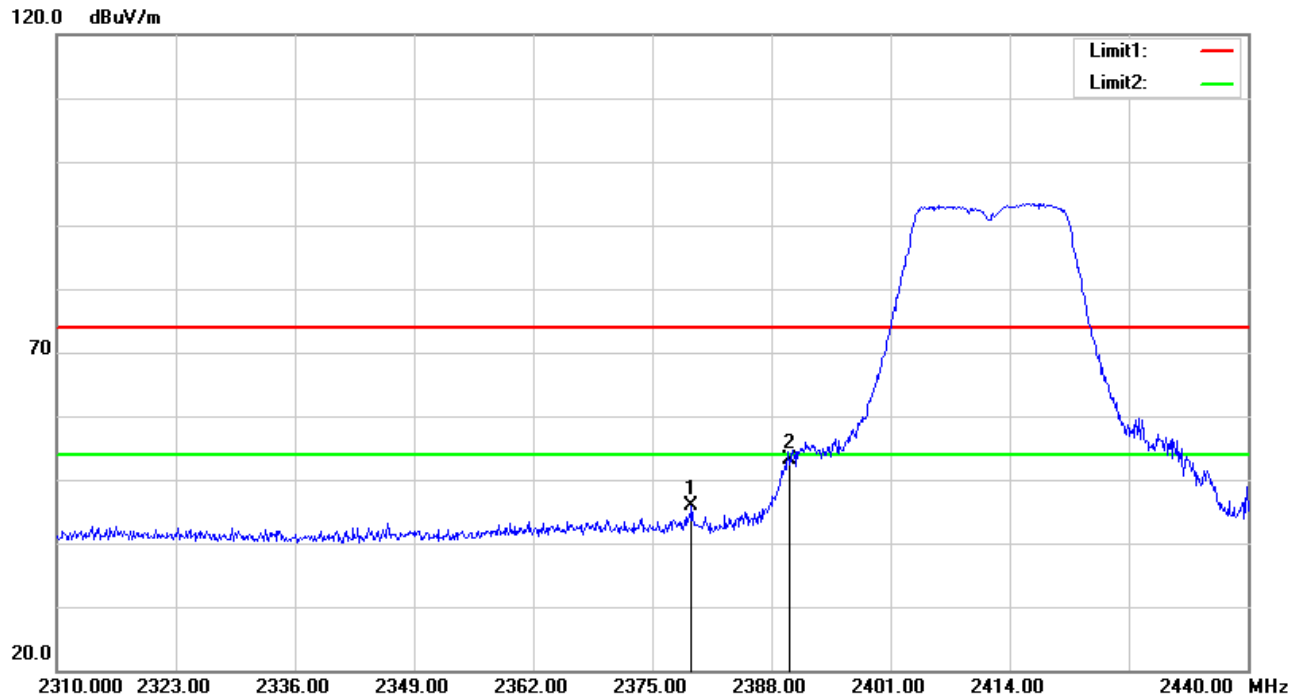
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Job No.: 802.11n(HT20) L Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2379.290	41.60	4.18	45.78	74.00	-28.22	peak
2	2390.000	48.79	4.34	53.13	74.00	-20.87	peak

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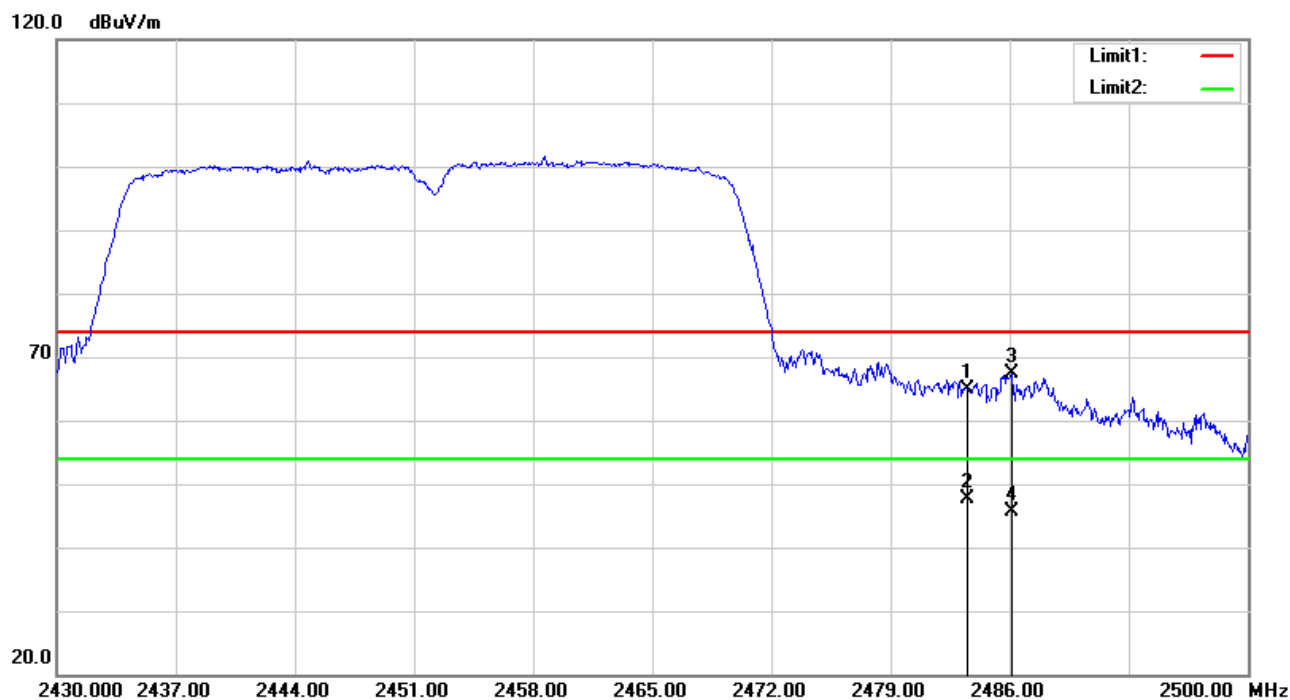
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802.11n(HT40)

Job No.: 802.11n(HT40) H Channel Ant.Polar.: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	60.27	4.60	64.87	74.00	-9.13	peak
2	2483.500	43.01	4.60	47.61	54.00	-6.39	AVG
3	2486.140	62.69	4.61	67.30	74.00	-6.70	peak
4	2486.140	40.91	4.61	45.52	54.00	-8.48	AVG

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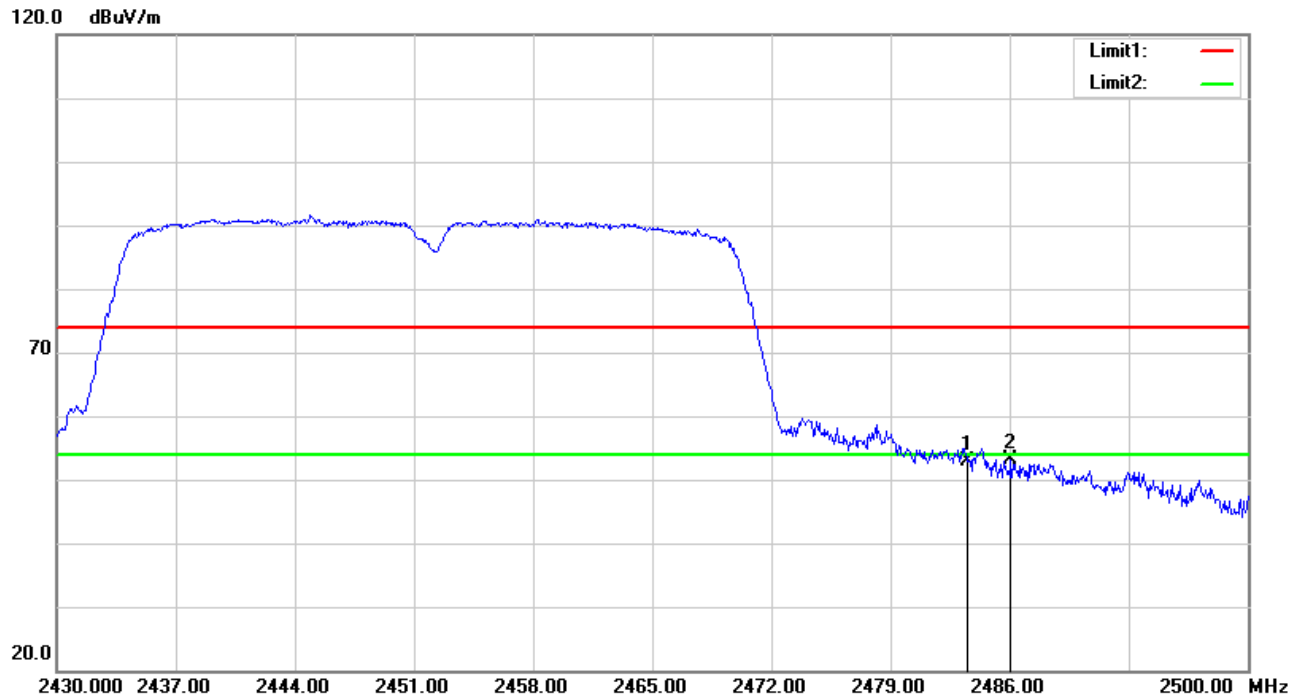
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Job No.: 802.11n(HT40) H Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	48.34	4.60	52.94	74.00	-21.06	peak
2	2486.070	48.51	4.61	53.12	74.00	-20.88	peak

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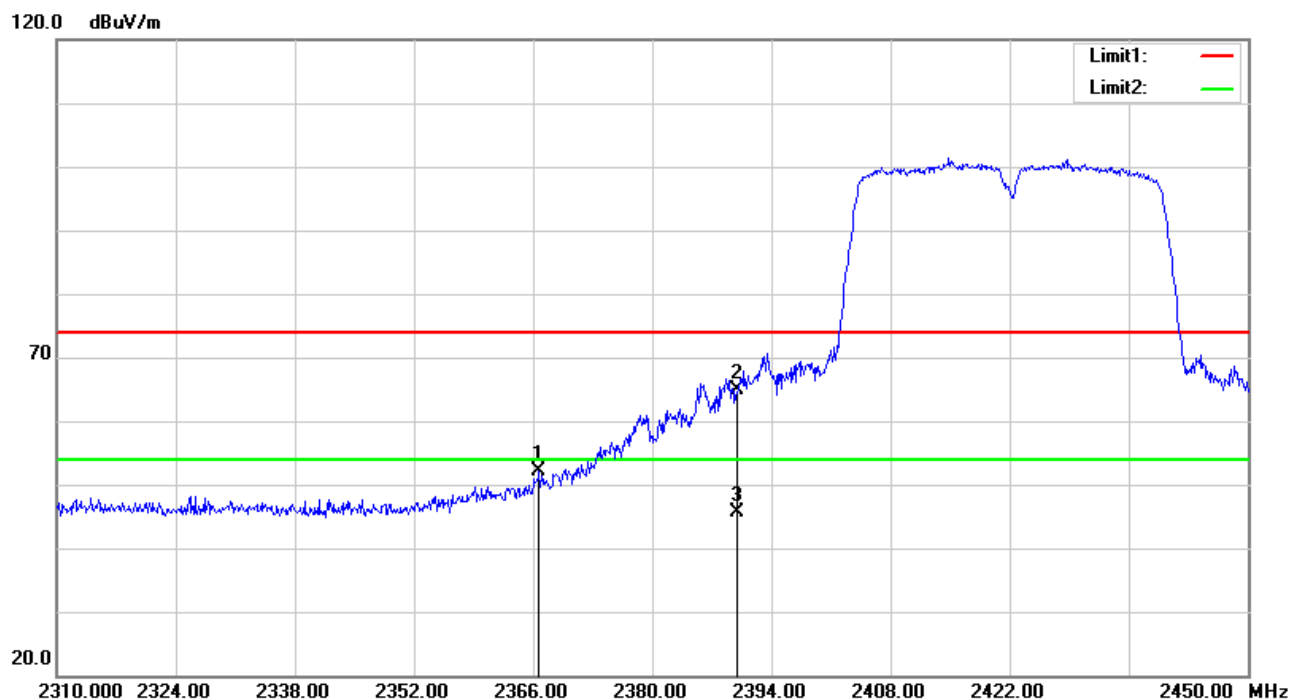
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Job No.: 802.11n(HT40) L Channel

Ant.Polar.: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.700	48.24	3.99	52.23	74.00	-21.77	peak
2	2390.000	60.65	4.34	64.99	74.00	-9.01	peak
3	2390.000	41.29	4.34	45.63	54.00	-8.37	AVG

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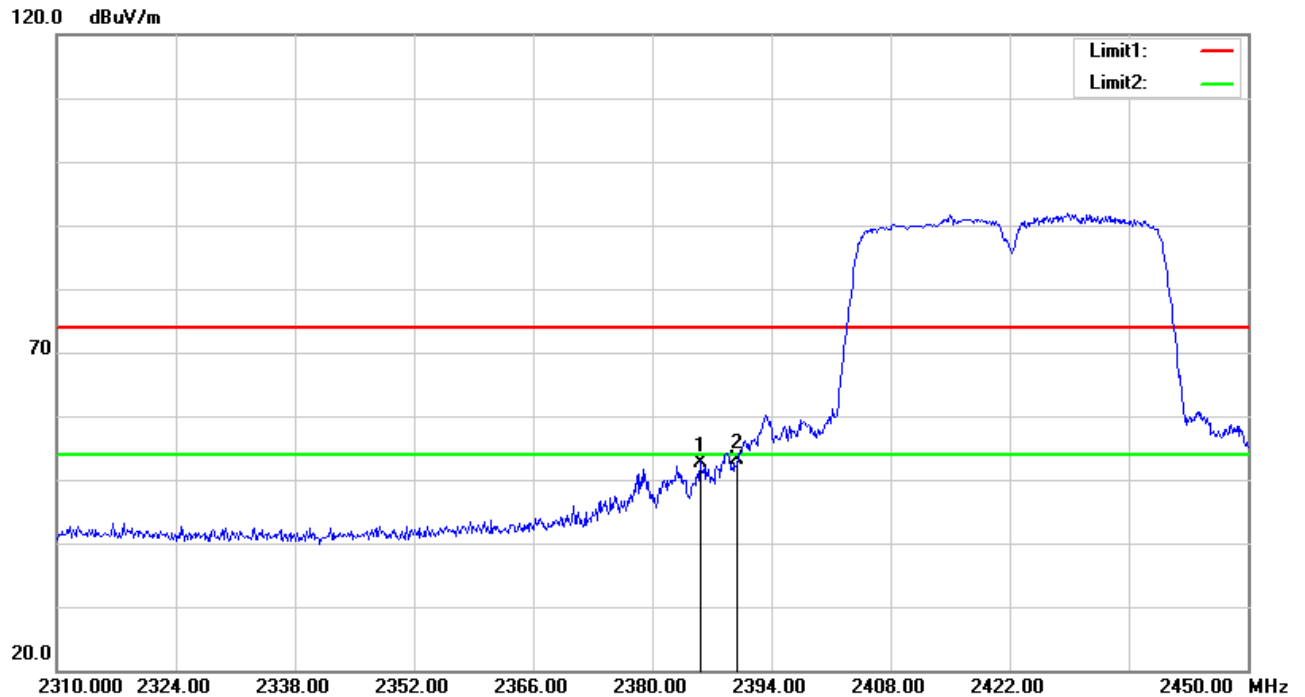
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Job No.: 802.11n(HT40) L Channel

Ant.Polar.:

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.600	48.48	4.27	52.75	74.00	-21.25	peak
2	2390.000	48.82	4.34	53.16	74.00	-20.84	peak