

FCC Test Report

Report No.: 2405X57681EE

Applicant: Intellian Technologies, Inc.

Address: 18-7, Jinwisandan-ro, Jinwi-myeon (Chungho-ri), Pyeongtaek-si,
Gyeonggi-do 17709 Korea

Product Name: CNX-Mobility

Product Model: BL6066

Multiple Models: N/A

Trade Mark: **Intellian**

FCC ID: XXZ-BL6066

Standards: FCC CFR Title 47 Part 15E (§15.407)

Test Date: 2024-10-11 to 2024-10-31

Test Result: Complied

Issue Date: 2024-11-01

Reviewed by:

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Revision History

Version No.	Issued Date	Description
00	2024-11-01	Original

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1 General Information

1.1 Client Information

Applicant:	Intellian Technologies, Inc.
Address:	18-7, Jinwisandan-ro, Jinwi-myeon (Chungho-ri), Pyeongtaek-si, Gyeonggi-do 17709 Korea
Manufacturer:	Intellian Technologies, Inc.
Address:	18-7, Jinwisandan-ro, Jinwi-myeon (Chungho-ri), Pyeongtaek-si, Gyeonggi-do 17709 Korea

1.2 Product Description of EUT

The EUT is CNX-Mobility that contains 2.4G and 5G WLAN radios, this report covers the full testing of the 5G WLAN radio.

Sample Serial number	2RN4-2 for CE&RE test, 2RN4-3 for RF conducted test(assigned by WATC)
Sample Received Date	2024-09-25
Sample Status	Good Condition
Frequency Range	5150 MHz - 5250MHz 5250 MHz - 5350MHz 5470 MHz - 5725MHz 5725 MHz - 5850MHz
Maximum Conducted Output Power	5150 MHz - 5250MHz: 18.88dBm 5250 MHz - 5350MHz: 11.62dBm 5470 MHz - 5725MHz: 17.61dBm 5725 MHz - 5850MHz: 26.76dBm
Modulation Technology	OFDM, OFDMA
Spatial Streams	MIMO (2TX, 2RX)
Beam-forming	Support
TPC	Not support
Antenna Gain [#]	Antenna 0: 5.0dBi Antenna 1: 5.3dBi
Power Supply	DC 56V from AC adapter
Adapter Information	N/A
Modification	Sample No Modification by the test lab

1.3 Antenna information

15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
Device Antenna information:	
The Wi-Fi antenna is an internal antenna which cannot replace by end-user. Please see the product internal photos for details.	

1.4 Related Submittal(s)/Grant(s)

FCC Part 15, Subpart C, Equipment Class: DTS, FCC ID: XXZ-BL6066

1.5 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
AC Power Lines Conducted Emissions		±3.14dB
Emissions, Radiated	Below 30MHz	±2.78dB
	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Emissions, Conducted		1.75dB
Conducted Power		0.74dB
Frequency Error		150Hz
Bandwidth		0.34%
Power Spectral Density		0.74dB
Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.		

1.6 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

1.7 Test Methodology

FCC CFR 47 Part 2

FCC CFR 47 Part 15

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

2 Description of Measurement

2.1 Test Configuration

Operating channels: (5150-5250MHz&5250-5350MHz)					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
36	5180	46	5230	56	5280
38	5190	48	5240	58	5290
40	5200	50	5250	60	5300
42	5210	52	5260	62	5310
44	5220	54	5270	64	5320
According to ANSI C63.10-2013 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:					
In additional, above channel in Bold was straddle channels were also tested.					
For 5150-5250MHz:					
802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
36	5180	40	5200	48	5240
802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
38	5190	/	/	46	5230
802.11ac-VHT80, 802.11ax-HE80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	42	5210	/	/
For 5250-5350MHz:					
802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
52	5260	56	5280	64	5320
802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
54	5270	/	/	62	5310

802.11ac-VHT80, 802.11ax-HE80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	58	5290	/	/
Operating channels: (5470-5725MHz)					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
100	5500	116	5580	134	5670
102	5510	118	5590	136	5680
104	5520	120	5600	138	5690
106	5530	122	5610	140	5700
108	5540	124	5620	142	5710
110	5550	126	5630	144	5720
112	5560	128	5640	/	/
114	5570	132	5660	/	/
According to ANSI C63.10-2013 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows: In additional, above channels in Bold was straddle channels were also tested.					
802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
100	5500	116	5580	140	5700
802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
102	5510	110	5550	134	5670
802.11ac-VHT80, 802.11ax-HE80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
106	5530	/	/	122	5610
802.11ac-VHT160, 802.11ax-HE160					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	114	5570	/	/
Operating channels: (5725-5850MHz)					

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
149	5745	155	5775	161	5805
151	5755	157	5785	165	5825
153	5765	159	5795	/	/
According to ANSI C63.10-2013 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:					
802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
149	5745	157	5785	165	5825
802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
151	5755	/	/	159	5795
802.11ac-VHT80, 802.11ax-HE80					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
/	/	155	5775	/	/

Test Mode:						
Transmitting mode:		Keep the EUT in continuous transmitting with modulation				
Exercise software [#] :		QCRT				
Band	Mode	Data rate	Powel Level Setting [#]			
			Low Channel	Middle Channel	High Channel	straddle channels
5150-5250MHz	802.11a	6Mbps	12	12	12	/
	802.11n-HT20	MCS0	12	12	12	/
	802.11n-HT40	MCS0	12	/	12	/
	802.11ac-VHT80	MCS0	/	12	/	/
	802.11 ax-HE20	MCS0	12	12	12	/
	802.11 ax-HE40	MCS0	12	/	12	/
	802.11ax-HE80	MCS0	/	12	/	/
5250-5350MHz	802.11a	6Mbps	2	2	2	/
	802.11n-HT20	MCS0	2	2	2	/

	802.11n-HT40	MCS0	4	/	4	/
	802.11ac-VHT80	MCS0	/	3	/	/
	802.11 ax-HE20	MCS0	0	0	0	/
	802.11 ax-HE40	MCS0	2	/	2	/
	802.11ax-HE80	MCS0	/	2	/	/
5150-5350MHz	802.11ac-VHT160	MCS0	/	/	/	3
	802.11ax-HE160	MCS0	/	/	/	1
5470-5725MHz	802.11a	6Mbps	9	9	9	9
	802.11n-HT20	MCS0	9	9	9	9
	802.11n-HT40	MCS0	9	9	9	9
	802.11ac-VHT80	MCS0	9	/	9	9
	802.11ac-VHT160	MCS0	/	10	/	/
	802.11 ax-HE20	MCS0	9	9	9	10
	802.11 ax-HE40	MCS0	7	7	7	9
	802.11ax-HE80	MCS0	7	/	7	7
	802.11ax-HE160	MCS0	/	8	/	/
5725-5850MHz	802.11a	6Mbps	17	17	17	/
	802.11n-HT20	MCS0	17	17	17	/
	802.11n-HT40	MCS0	16	/	16	/
	802.11ac-VHT80	MCS0	/	17	/	/
	802.11 ax-HE20	MCS0	16	16	16	/
	802.11 ax-HE40	MCS0	16	/	16	/
	802.11ax-HE80	MCS0	/	17	/	/

The exercise software and the maximum power setting that provided by manufacturer.

Worst-Case Configuration:

For radiated emissions, EUT was investigated in three orthogonal orientation, the worst-case orientation was recorded in report

For AC power line conducted emission and radiated emission 9kHz-1GHz and above 18GHz were performed with the EUT transmits at the channel with highest output power as worst-case scenario.

According to manufacturer, the device support MIMO mode, for MIMO the device employ Beam-forming mode, all modes share the same power level setting under the same modulation. So the worst mode MIMO/ Beam-forming was selected to test

For 802.11ax mode, the device only support full RU mode.

The ac vht20/ac vht40 were reduced test since the identical parameters with n-ht20/n-ht40.

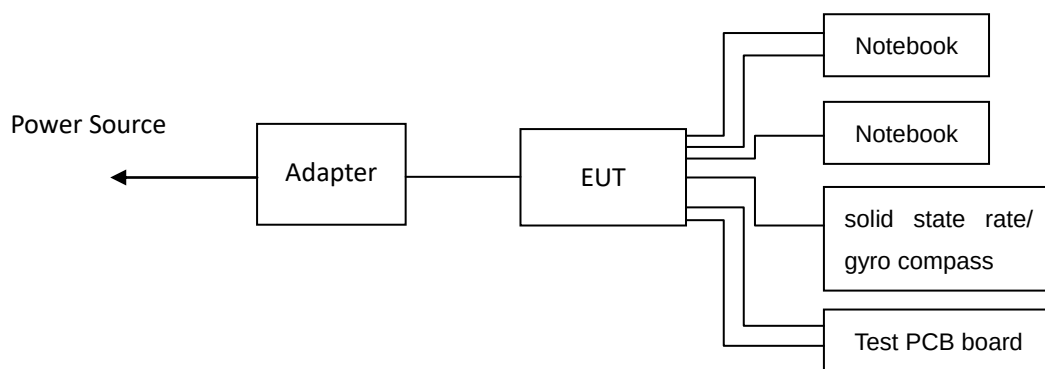
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
unknown	Test PCB board	unknown	unknown
Dell	Notebook	unknown	unknown
Dell	Notebook	unknown	unknown
unknown	USB to RS232 Adapter	unknown	unknown
Maretron	solid state rate/gyro compass	SSC300	unknown
Adapter Tech.	AC Adapter	ATM450A2-P560	2436

2.3 Interconnecting Cables

Manufacturer	Description	From	To
unknown	RJ45 cable	EUT	Notebook
unknown	RJ45 cable	EUT	Test PCB board
unknown	RJ45 cable	EUT	Notebook
unknown	Coaxial Cable	EUT	Test PCB board
unknown	Dupont Line	EUT	USB to RS232 adapter
unknown	USB Cable	USB to RS232 adapter	Notebook
unknown	Dupont Line	EUT	solid state rate/gyro compass
unknown	AC Power Cable	Power Source	AC Adapter
unknown	DC Power Cable	AC Adapter	EUT

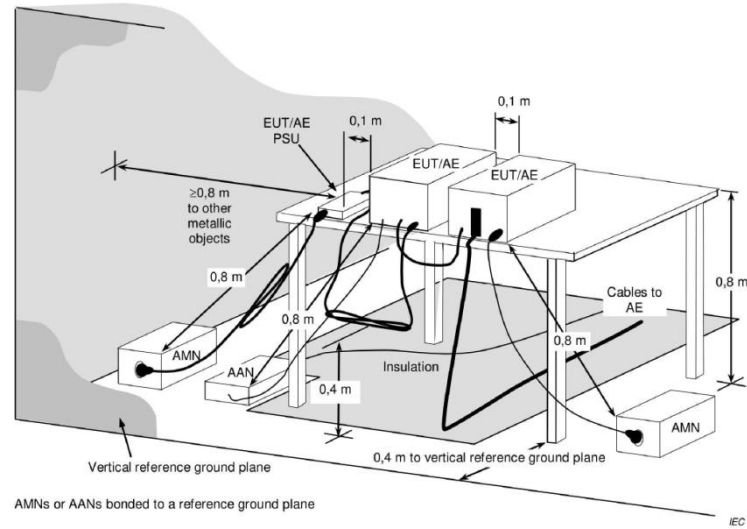
2.4 Block Diagram of Connection between EUT and AE



Note: for reference only, the actual connection setup used for testing please refer to the test photos.

2.5 Test Setup

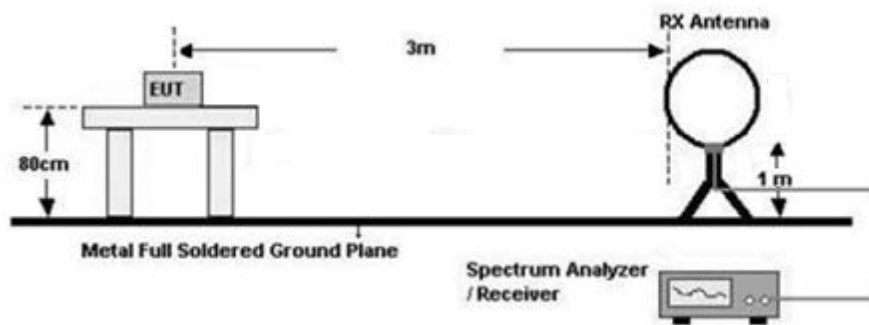
1) Conducted emission measurement:



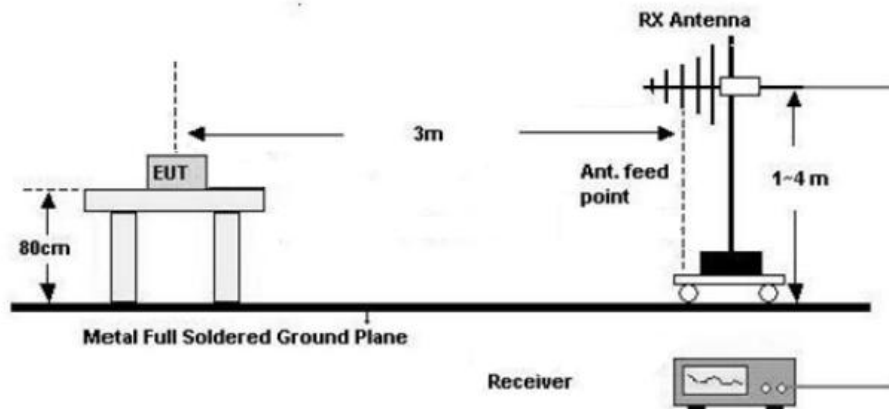
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

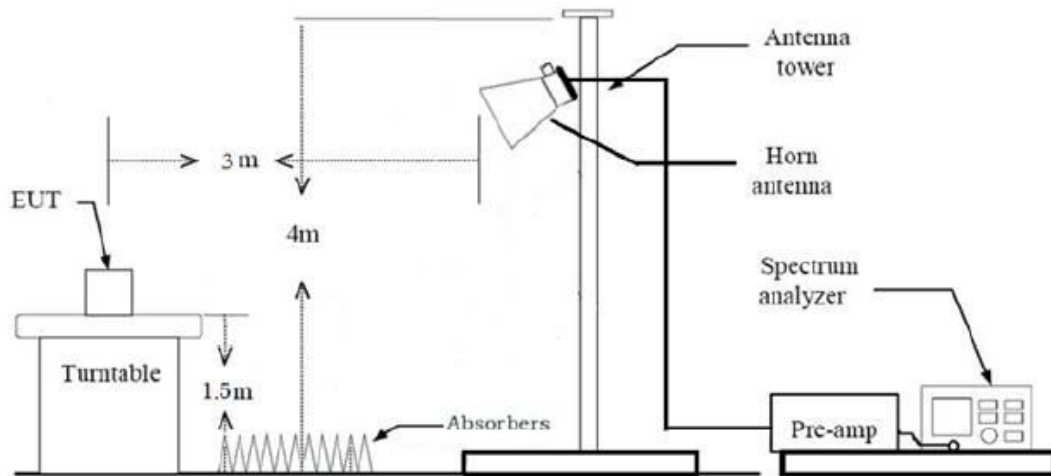
Below 30MHz (3m SAC)



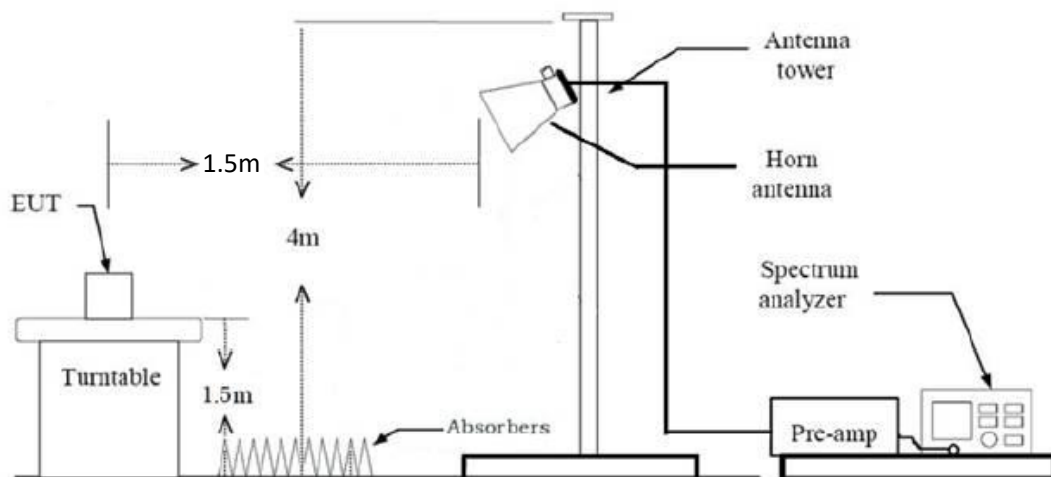
0MHz-1GHz (3m SAC)



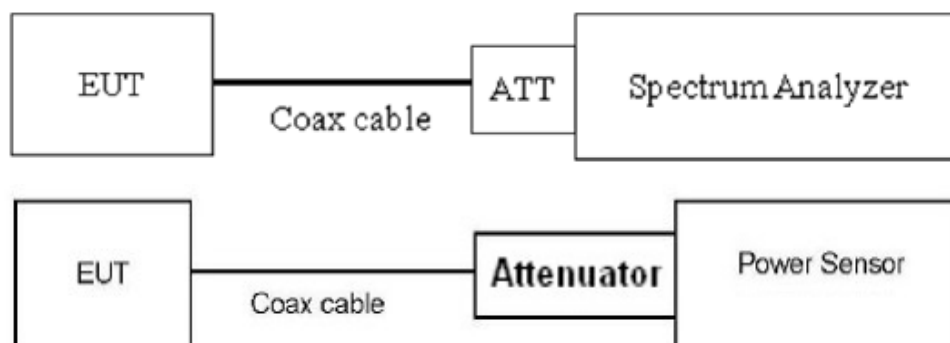
1GHz-18GHz(3m FAC)



Above 18GHz (3m FAC)



3) RF Conducted Test



2.6 Test Procedure

Conducted emission:

1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
2. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
3. Line conducted data is recorded for both Line and Neutral

Radiated Emission Procedure:

a) For below 30MHz

1. All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz- 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 \cdot \log(\text{test distance} / \text{specification distance})$.
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, ground-parallel)

b) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

c) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m (1-18GHz) and 1.5 m (above 18GHz).
2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
4. Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

RF Conducted Test:

1. The antenna port of EUT was connected to the RF port of the test equipment (Power Meter or

Spectrum analyzer) through Attenuator and RF cable.

2. The cable assembly insertion loss of 9.0dB (including 6.0 dB Attenuator and 3.0 dB cable) was entered as an offset in the power meter. Note: Actual cable loss was unavailable at the time of testing, therefore a loss of 3.0dB was assumed as worst case. This was later verified to be true by laboratory. (if the RF cable provided by client, the cable loss declared by client)
3. The EUT is keeping in continuous transmission mode and tested in all modulation modes.

2.7 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	ANSI C63.10-2013 Section 6.2
Maximum Conducted Output Power	KDB 789033 D02 v02r01 section E.3. b) Method SA-3
Power Spectral Density	KDB 789033 D02 v02r01 section F Method SA-3
26 dB Emission Bandwidth	KDB 789033 D02 v02r01 section C.1
6 dB Emission Bandwidth	KDB 789033 D02 v02r01 section C.2
99% Occupied Bandwidth	KDB 789033 D02 v02r01 section D.
Unwanted Emissions	KDB 789033 D02 v02r01 section G.
Duty Cycle	KDB 789033 D02 v02r01 section B.

2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
ROHDE& SCHWARZ	EMI TEST RECEIVER	ESR	101817	2024/6/4	2025/6/3
R&S	LISN	ENV216	101748	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.12	N/A	2024/6/4	2025/6/3
Farad	Test Software	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated Emission Test					
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3

A.H. Systems	PREAMPLIFIER	PAM-0118P	531	2024/6/4	2025/6/3
COM-POWER	Amplifier	PAM-840A	461306	2024/8/7	2025/8/6
BACL	Loop Antenna	1313-1A	4010611	2024/2/7	2027/2/6
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2026/7/9
Ducommun technologies	Horn Antenna	ARH-2823-02	1007726-03	2023/7/10	2026/7/9
Oulitong	Band Reject Filter	OBSF-5150-585 0-S	OE02104371	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.13	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3
Audix	Test Software	E3	191218 V9	/	/
RF Conducted Test					
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40	101419	2024/6/4	2025/6/3
narda	6dB attenuator	603-06-1	N/A	2024/6/4	2025/6/3

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

3 Test Results

3.1 Test Summary

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a) §15.407 (b)(9)	AC Line Conducted Emissions	Compliance
§15.407 (a)(1)(iv),(3)(i)	Conducted Peak Output Power Power Spectral Density	Compliance
§15.407 (a)(12)	99% Occupied Bandwidth	Compliance
§15.407 (a)	26 dB Emission Bandwidth	Compliance
§15.407 (e)	6 dB Emission Bandwidth	Compliance
§15.205, §15.209, §15.407 (b)(1), (4), (9), (10)	Unwanted Emissions	Compliance
/	Duty Cycle	Report only

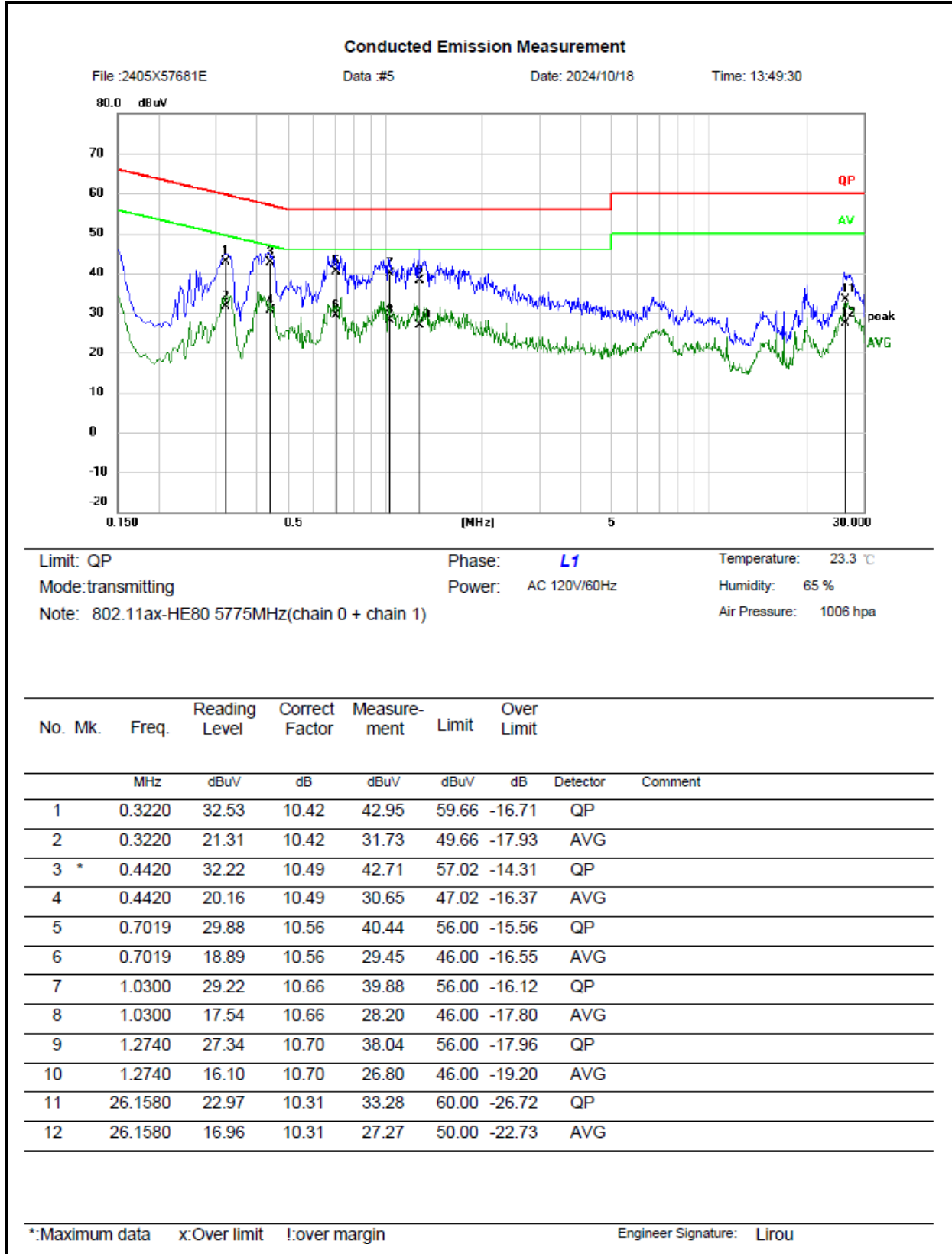
3.2 Limit

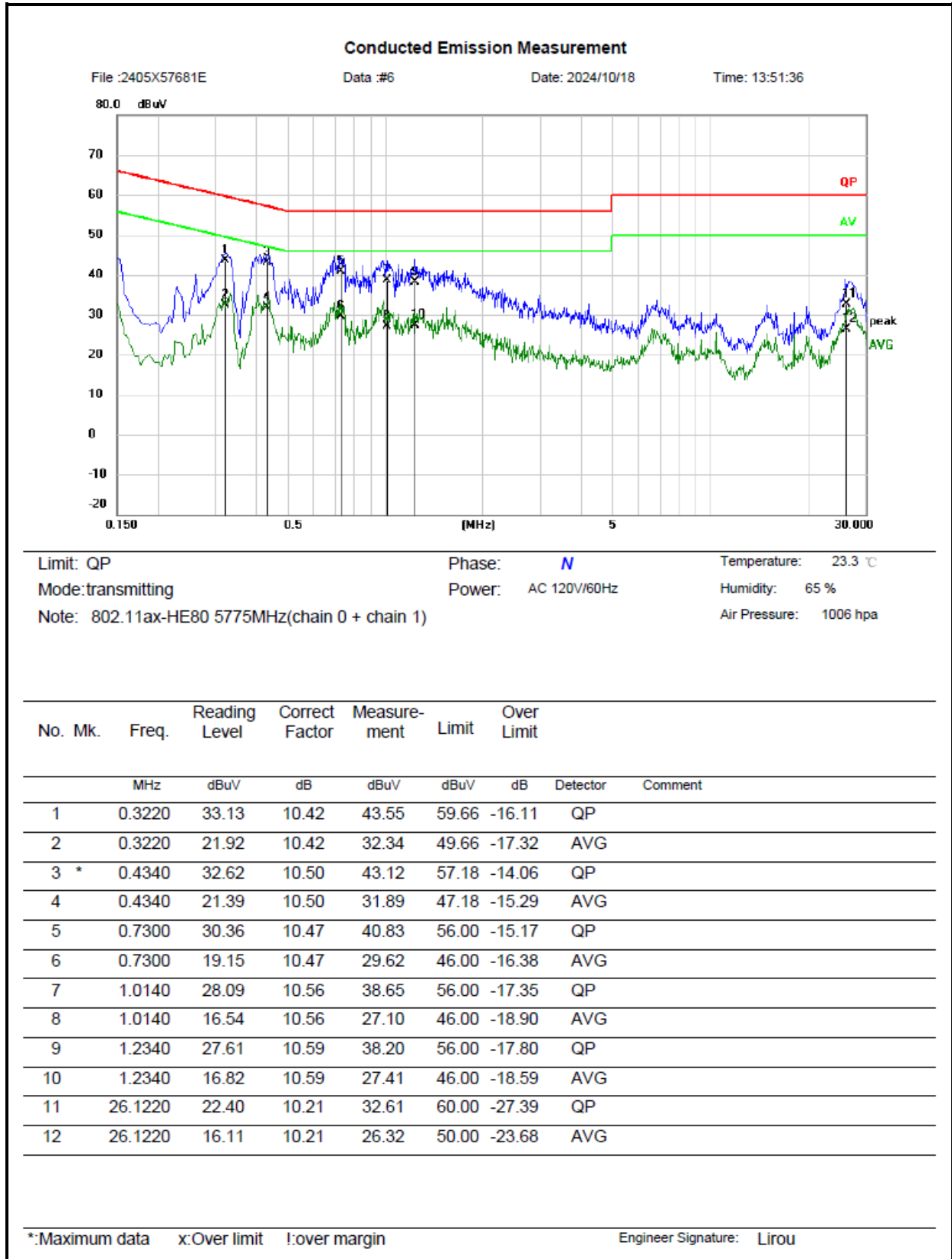
Test items	Limit
AC Power Line Conducted Emission	See details §15.207 (a)
Conducted Peak Output Power	For the band 5.150-5.250 GHz: For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.250-5.350 GHz and 5.470-5.725GHz: For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.895 GHz: For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, Fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
Power Spectral Density	
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A
6dB Emission Bandwidth	Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Unwanted Emissions	For transmitters operating in the 5.15–5.25 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz. For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz. For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz. For transmitters operating solely in the 5.725–5.850 GHz band: All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. The provisions of § 15.205 apply to intentional radiators operating under this section.
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3.3 AC Line Conducted Emissions Test Data

Test Date:	2024-10-18	Test By:	Lirou Li
Environment condition:	Temperature: 23.3°C; Relative Humidity: 65%; ATM Pressure: 100.6kPa		





Remark:

Measurement (dBuV)= Reading Level (dBuV) + Correct Factor(dB)

Correct Factor(dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

Over Limit = Measurement – Limit

3.4 Radiated emission Test Data

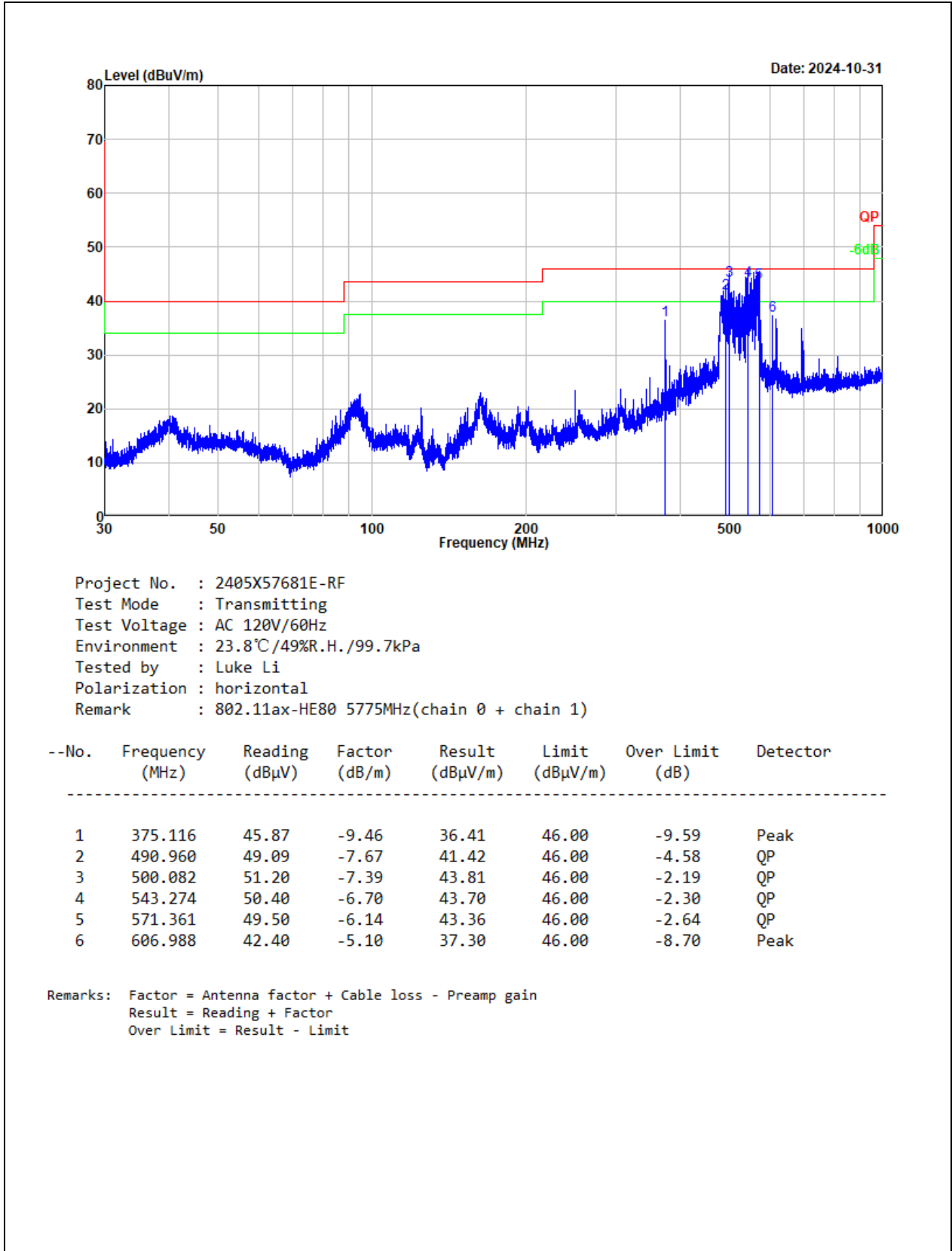
9 kHz-30MHz:

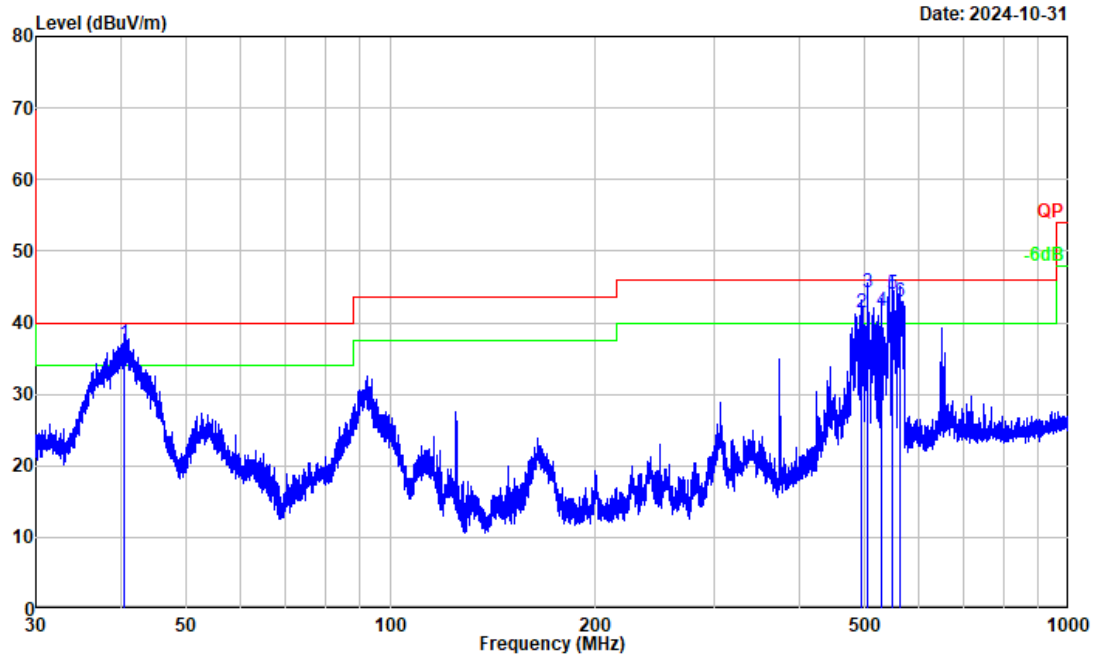
Test Date:	2024-10-31	Test By:	Luke Li
Environment condition:	Temperature: 23.8°C; Relative Humidity:49%; ATM Pressure: 99.7kPa		

For radiated emissions below 30MHz, there were no emissions found within 20dB of limit.

30MHz-1GHz:

Test Date:	2024-10-31	Test By:	Luke Li
Environment condition:	Temperature: 23.8°C; Relative Humidity:49%; ATM Pressure: 99.7kPa		





Project No. : 2405X57681E-RF
Test Mode : Transmitting
Test Voltage : AC 120V/60Hz
Environment : 23.8°C /49%R.H./99.7kPa
Tested by : Luke Li
Polarization : vertical
Remark : 802.11ax-HE80 5775MHz(chain 0 + chain 1)

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	40.577	50.00	-12.92	37.08	40.00	-2.92	QP
2	495.500	48.91	-7.50	41.41	46.00	-4.59	QP
3	506.035	51.51	-7.37	44.14	46.00	-1.86	QP
4	528.246	48.60	-6.90	41.70	46.00	-4.30	QP
5	548.538	50.60	-6.60	44.00	46.00	-2.00	QP
6	563.403	49.20	-6.34	42.86	46.00	-3.14	QP

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Above 1GHz:

Test Date:	2024-10-08~2024-10-22	Test By:	Luke Li
Environment condition:	Temperature: 22.8~24.9°C; Relative Humidity: 54~61%; ATM Pressure: 100.6~100.8kPa		

5150-5250MHz:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11a							
Low Channel							
4800.100	43.85	horizontal	7.10	50.95	54.00	-3.05	Average
4800.100	50.64	horizontal	7.10	57.74	74.00	-16.26	Peak
4800.100	43.83	vertical	7.10	50.93	54.00	-3.07	Average
4800.100	51.19	vertical	7.10	58.29	74.00	-15.71	Peak
5150.000	37.05	horizontal	8.01	45.06	54.00	-8.94	Average
5150.000	48.82	horizontal	8.01	56.83	74.00	-17.17	Peak
5150.000	36.86	vertical	8.01	44.87	54.00	-9.13	Average
5150.000	49.04	vertical	8.01	57.05	74.00	-16.95	Peak
15540.000	47.69	horizontal	5.12	53.15	74.00	-20.85	Peak
15540.000	47.87	vertical	5.12	53.10	74.00	-20.90	Peak
Middle Channel							
15600.000	47.38	horizontal	5.02	52.4	74.00	-21.6	Peak
15600.000	47.4	vertical	5.02	52.42	74.00	-21.58	Peak
High Channel							
5350.000	36.02	horizontal	7.63	43.65	54.00	-10.35	Average
5350.000	50.78	horizontal	7.63	58.41	74.00	-15.59	Peak
5350.000	36.02	vertical	7.63	43.65	54.00	-10.35	Average
5350.000	50.03	vertical	7.63	57.66	74.00	-16.34	Peak
15720.000	47.12	horizontal	4.42	51.54	74.00	-22.46	Peak
15720.000	45.96	vertical	4.42	50.38	74.00	-23.62	Peak
802.11n20							
Low Channel							
4800.100	43.52	horizontal	7.10	50.62	54.00	-3.38	Average
4800.100	49.77	horizontal	7.10	56.87	74.00	-17.13	Peak
4800.100	43.12	vertical	7.10	50.22	54.00	-3.78	Average
4800.100	50.04	vertical	7.10	57.14	74.00	-16.86	Peak
5150.000	37.11	horizontal	8.01	45.12	54.00	-8.88	Average

5150.000	50.42	horizontal	8.01	58.43	74.00	-15.57	Peak
5150.000	37.06	vertical	8.01	45.07	54.00	-8.93	Average
5150.000	50.18	vertical	8.01	58.19	74.00	-15.81	Peak
15540.000	46.83	horizontal	5.12	51.95	74.00	-22.05	Peak
15540.000	47.19	vertical	5.12	52.31	74.00	-21.69	Peak
Middle Channel							
15600.000	48.21	horizontal	5.02	53.23	74.00	-20.77	Peak
15600.000	47.87	vertical	5.02	52.89	74.00	-21.11	Peak
High Channel							
5350.000	35.12	horizontal	7.63	42.75	54.00	-11.25	Average
5350.000	48.56	horizontal	7.63	56.19	74.00	-17.81	Peak
5350.000	37.03	vertical	7.63	44.66	54.00	-9.34	Average
5350.000	49.24	vertical	7.63	56.87	74.00	-17.13	Peak
15720.000	45.58	horizontal	4.42	50	74.00	-24	Peak
15720.000	44.86	vertical	4.42	49.28	74.00	-24.72	Peak
802.11n40							
Low Channel							
4800.000	41.77	horizontal	7.10	48.87	54.00	-5.13	Average
4800.000	49.93	horizontal	7.10	57.03	74.00	-16.97	Peak
4799.670	42.55	vertical	7.10	49.65	54.00	-4.35	Average
4799.670	51.70	vertical	7.10	58.80	74.00	-15.20	Peak
5150.000	36.87	horizontal	8.01	44.88	54.00	-9.12	Average
5150.000	49.46	horizontal	8.01	57.47	74.00	-16.53	Peak
5150.000	36.62	vertical	8.01	44.63	54.00	-9.37	Average
5150.000	49.34	vertical	8.01	57.35	74.00	-16.65	Peak
15570.000	45.46	horizontal	5.07	50.53	74.00	-23.47	Peak
15570.000	46.58	vertical	5.07	51.65	74.00	-22.35	Peak
High Channel							
5350.000	36.89	horizontal	7.63	44.52	54.00	-9.48	Average
5350.000	47.85	horizontal	7.63	55.48	74.00	-18.52	Peak
5350.000	36.39	vertical	7.63	44.02	54.00	-9.98	Average
5350.000	48.52	vertical	7.63	56.15	74.00	-17.85	Peak
15690.000	45.95	horizontal	4.45	50.4	74.00	-23.6	Peak
15690.000	46.09	vertical	4.45	50.54	74.00	-23.46	Peak
802.11ac80							
4800.150	41.98	horizontal	7.10	49.08	54.00	-4.92	Average
4800.150	48.98	horizontal	7.10	56.08	74.00	-17.92	Peak
5150.000	37.15	horizontal	8.01	45.16	54.00	-8.84	Average

5150.000	49.43	horizontal	8.01	57.44	74.00	-16.56	Peak
5350.000	37.16	horizontal	7.63	44.79	54.00	-9.21	Average
5350.000	48.91	horizontal	7.63	56.54	74.00	-17.46	Peak
4800.150	42.39	vertical	7.10	49.49	54.00	-4.51	Average
4800.150	48.80	vertical	7.10	55.90	74.00	-18.10	Peak
5150.000	36.42	vertical	8.01	44.43	54.00	-9.57	Average
5150.000	49.83	vertical	8.01	57.84	74.00	-16.16	Peak
5350.000	37.24	vertical	7.63	44.87	54.00	-9.13	Average
5350.000	48.06	vertical	7.63	55.69	74.00	-18.31	Peak
15630.000	45.98	horizontal	4.83	50.81	74.00	-23.19	Peak
15630.000	46.26	vertical	4.83	51.09	74.00	-22.91	Peak
802.11ax20							
Low Channel							
4800.000	43.80	horizontal	7.10	50.90	54.00	-3.10	Average
4800.000	49.91	horizontal	7.10	57.01	74.00	-16.99	Peak
4800.000	43.25	vertical	7.10	50.35	54.00	-3.65	Average
4800.000	50.16	vertical	7.10	57.26	74.00	-16.74	Peak
5150.000	36.38	horizontal	8.01	44.39	54.00	-9.61	Average
5150.000	49.65	horizontal	8.01	57.66	74.00	-16.34	Peak
5150.000	37.06	vertical	8.01	45.07	54.00	-8.93	Average
5150.000	49.62	vertical	8.01	57.63	74.00	-16.37	Peak
15540.000	47.38	horizontal	5.12	52.5	74.00	-21.5	Peak
15540.000	48.37	vertical	5.12	53.49	74.00	-20.51	Peak
Middle Channel							
15600.000	46.86	horizontal	5.02	51.88	74.00	-22.12	Peak
15600.000	47.64	vertical	5.02	52.66	74.00	-21.34	Peak
High Channel							
5350.000	36.98	horizontal	7.63	44.61	54.00	-9.39	Average
5350.000	50.1	horizontal	7.63	57.73	74.00	-16.27	Peak
5350.000	37.03	vertical	7.63	44.66	54.00	-9.34	Average
5350.000	49.86	vertical	7.63	57.49	74.00	-16.51	Peak
15720.000	45.04	horizontal	4.42	49.46	74.00	-24.54	Peak
15720.000	46.38	vertical	4.42	50.8	74.00	-23.2	Peak
802.11ax40							
Low Channel							
4800.030	41.95	horizontal	7.10	49.05	54.00	-4.95	Average
4800.030	49.03	horizontal	7.10	56.13	74.00	-17.87	Peak
4800.030	42.81	vertical	7.10	49.91	54.00	-4.09	Average

4800.030	49.71	vertical	7.10	56.81	74.00	-17.19	Peak
5150.000	37.32	horizontal	8.01	45.33	54.00	-8.67	Average
5150.000	49.65	horizontal	8.01	57.66	74.00	-16.34	Peak
5150.000	37.13	vertical	8.01	45.14	54.00	-8.86	Average
5150.000	49.95	vertical	8.01	57.96	74.00	-16.04	Peak
15570.000	47.48	horizontal	5.07	52.55	74.00	-21.45	Peak
15570.000	47.93	vertical	5.07	53.00	74.00	-21.00	Peak
High Channel							
5350.000	36.08	horizontal	7.63	43.71	54.00	-10.29	Average
5350.000	49.36	horizontal	7.63	56.99	74.00	-17.01	Peak
5350.000	36.52	vertical	7.63	44.15	54.00	-9.85	Average
5350.000	49.47	vertical	7.63	57.1	74.00	-16.9	Peak
15690.000	46.73	horizontal	4.45	51.18	74.00	-22.82	Peak
15690.000	46.18	vertical	4.45	50.63	74.00	-23.37	Peak
802.11ax80							
4800.150	41.87	horizontal	7.10	48.97	54.00	-5.03	Average
4800.150	48.82	horizontal	7.10	55.92	74.00	-18.08	Peak
5150.000	36.29	horizontal	8.01	44.3	54.00	-9.7	Average
5150.000	49.46	horizontal	8.01	57.47	74.00	-16.53	Peak
5350.000	36.52	horizontal	7.63	44.15	54.00	-9.85	Average
5350.000	49.68	horizontal	7.63	57.31	74.00	-16.69	Peak
4800.150	41.18	vertical	7.10	48.28	54.00	-5.72	Average
4800.150	48.40	vertical	7.10	55.50	74.00	-18.50	Peak
5150.000	36.69	vertical	8.01	44.7	54.00	-9.3	Average
5150.000	49.46	vertical	8.01	57.47	74.00	-16.53	Peak
5350.000	37.13	vertical	7.63	44.76	54.00	-9.24	Average
5350.000	49.59	vertical	7.63	57.22	74.00	-16.78	Peak
15630.000	46.45	horizontal	4.83	51.28	74.00	-22.72	Peak
15630.000	46.83	vertical	4.83	51.66	74.00	-22.34	Peak

Note: Corrected factor=Antenna factor + Cable loss - Amplifier Gain

Corrected Amplitude=Reading level + Correct factor

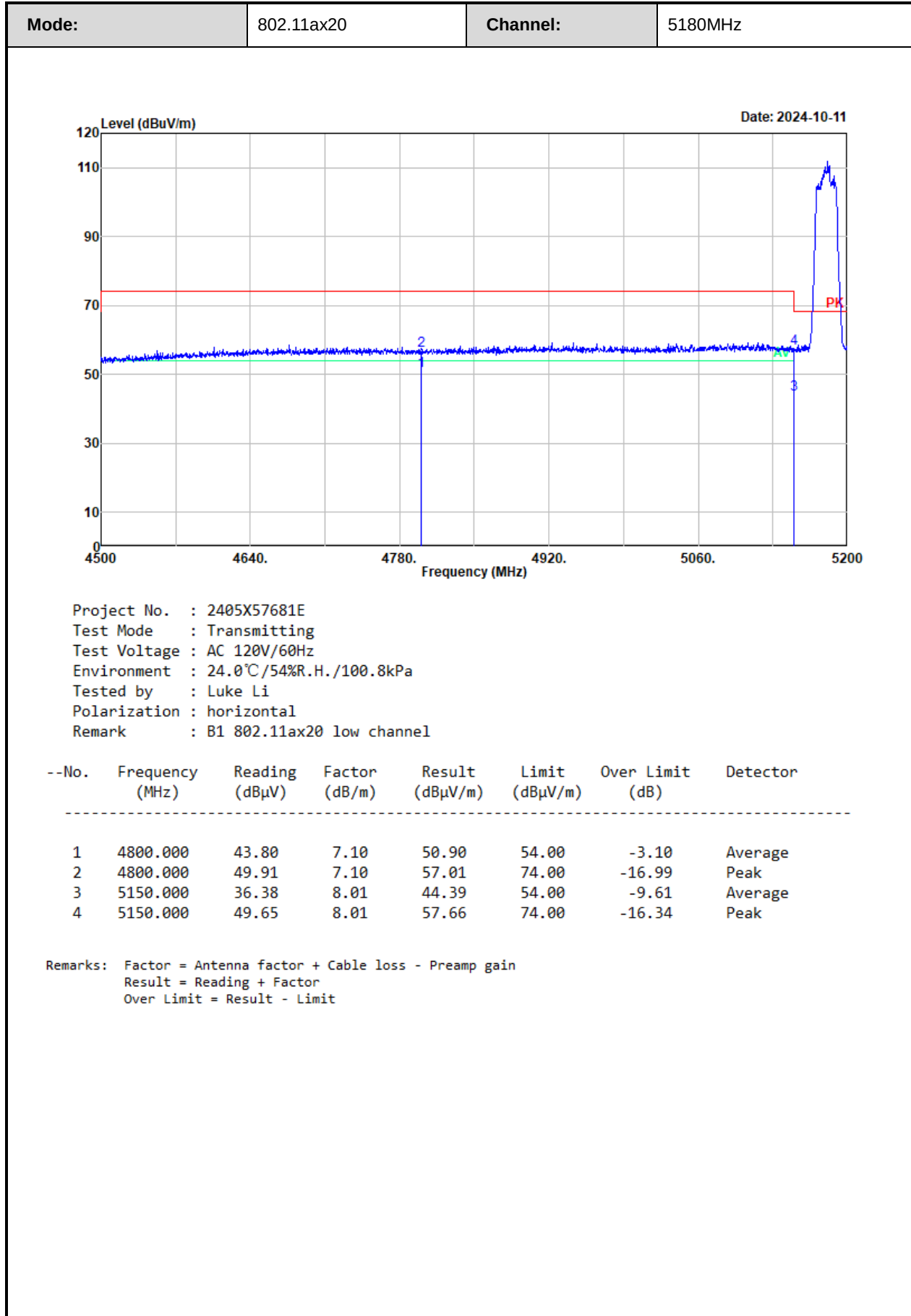
Margin= Corrected Amplitude-Limit

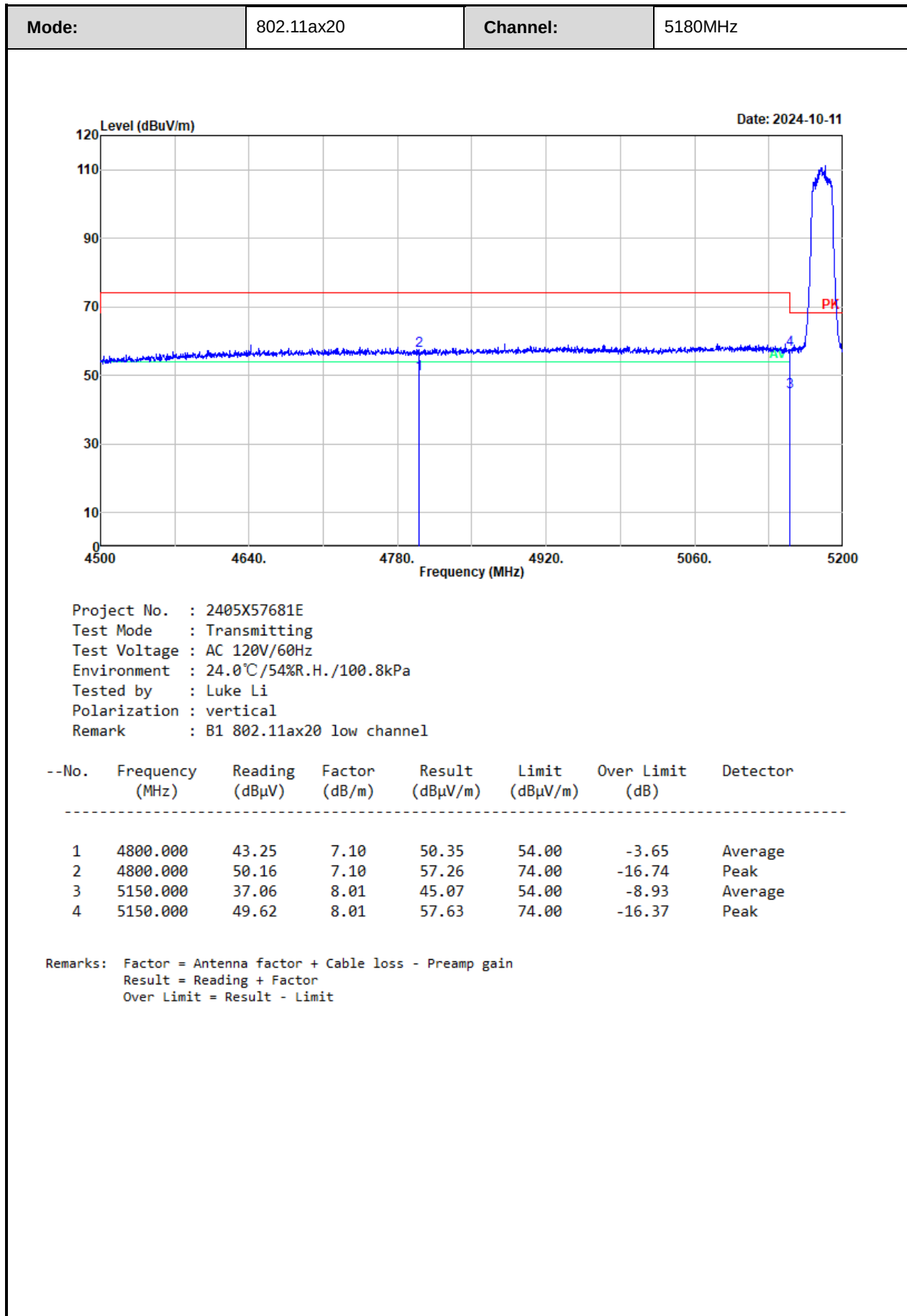
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

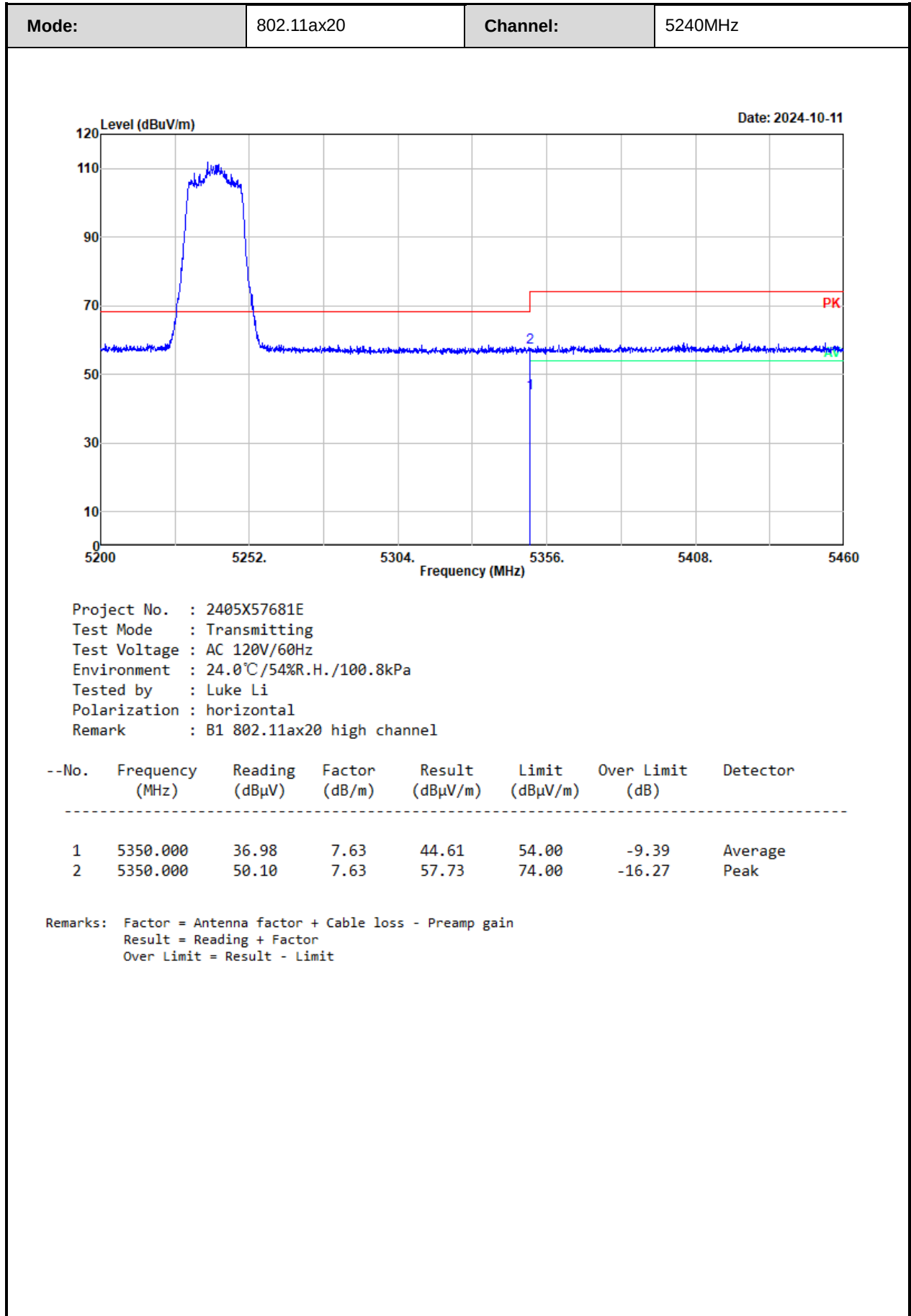
The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

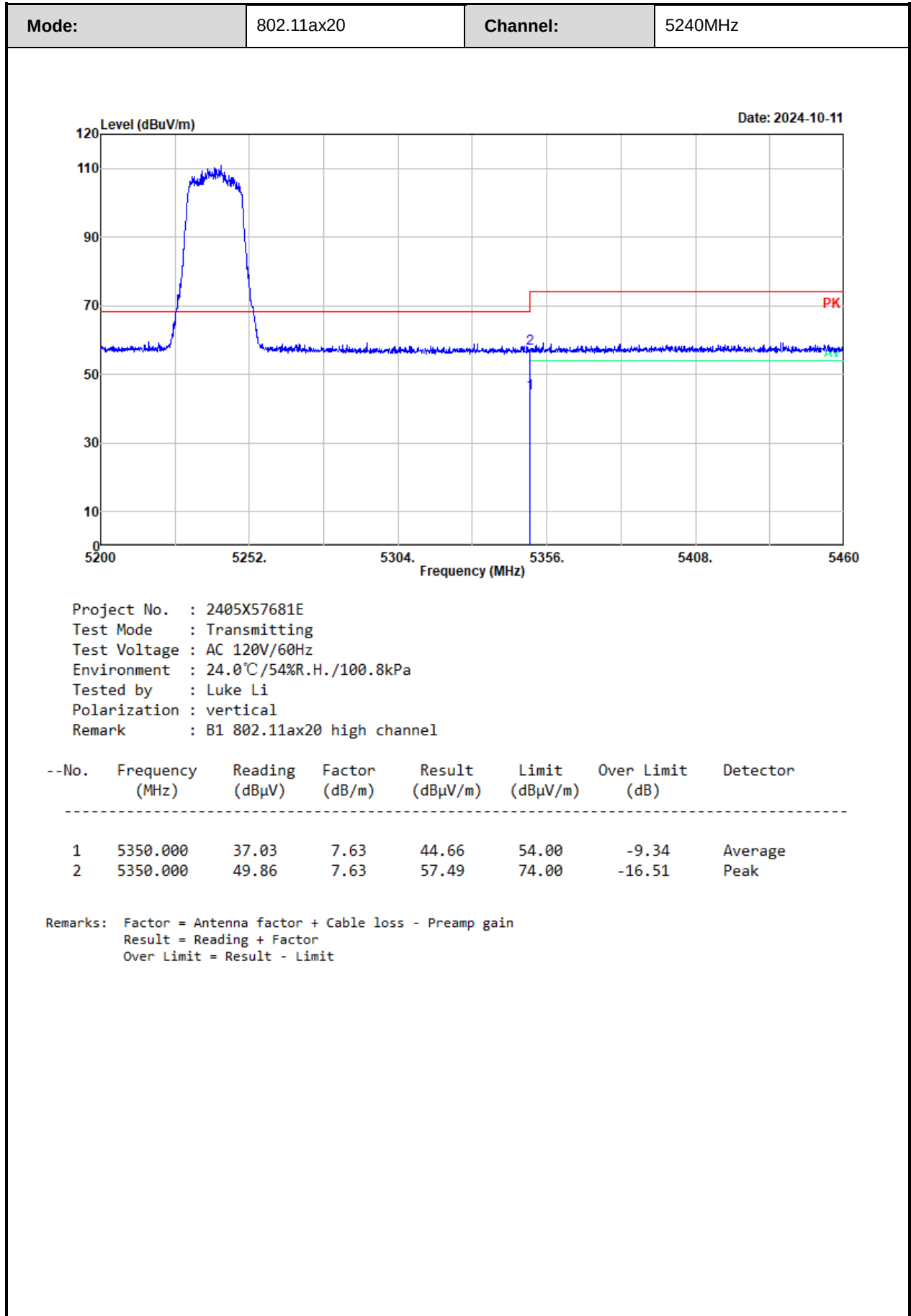
For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

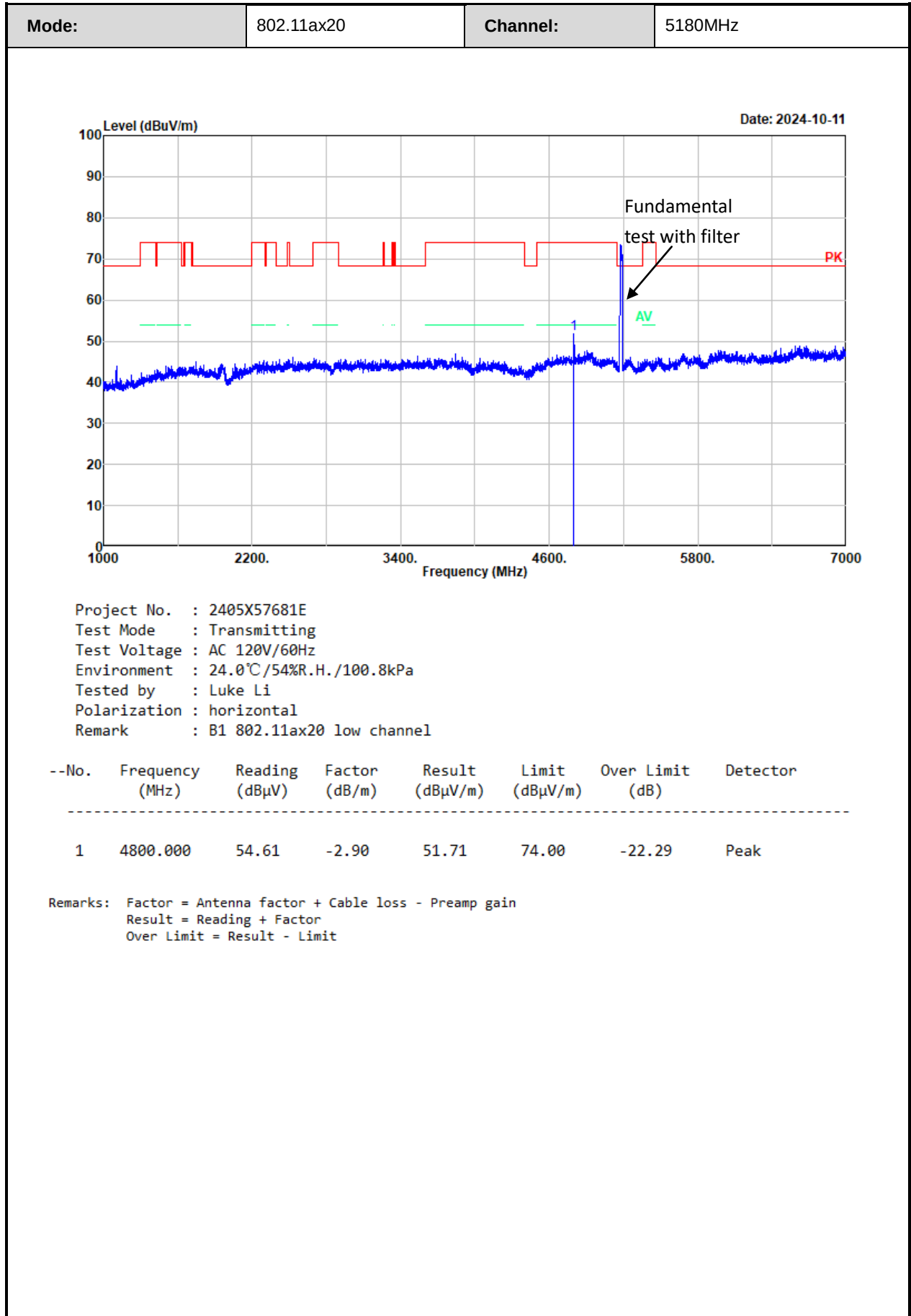
Test plot for example as below:

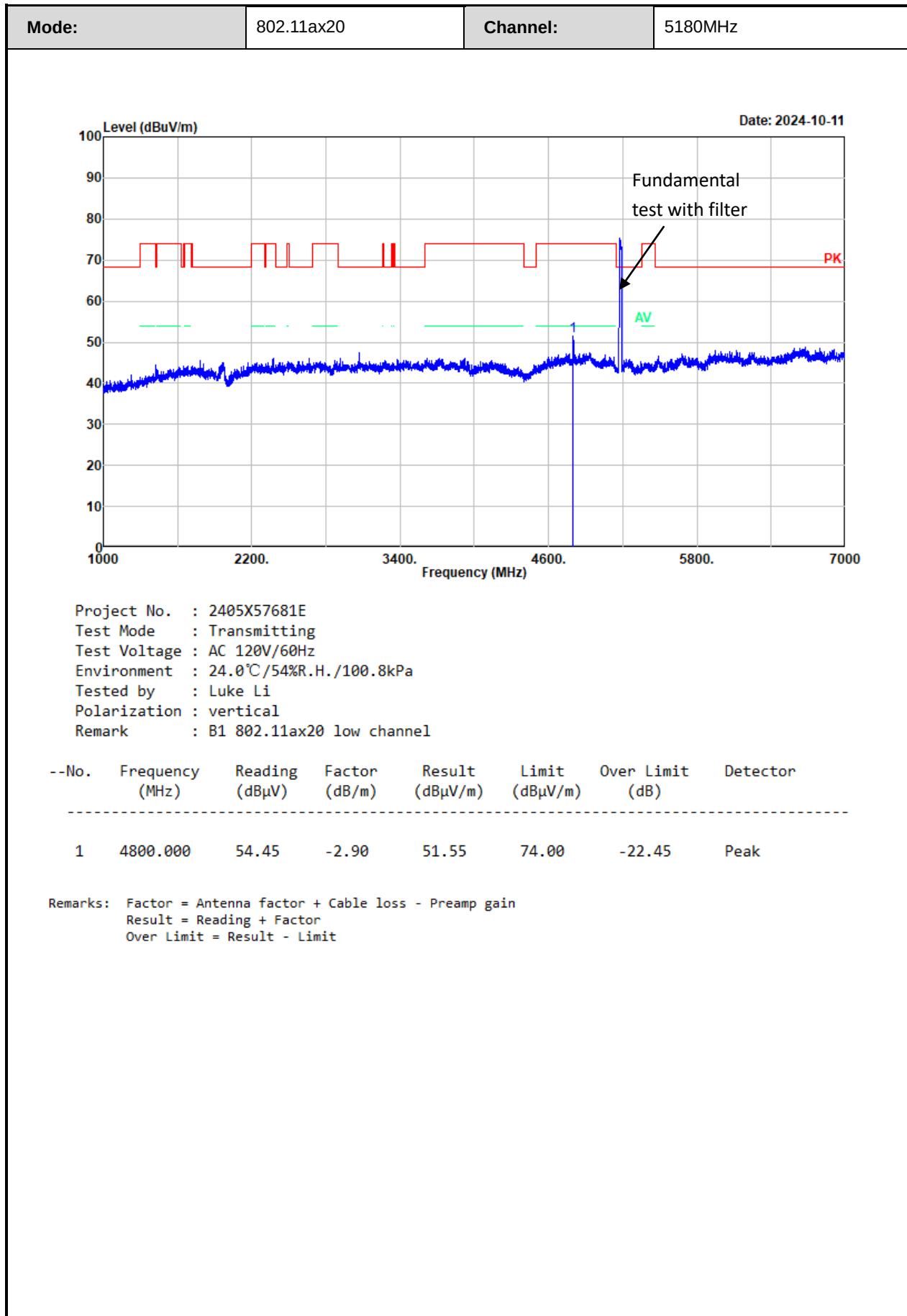


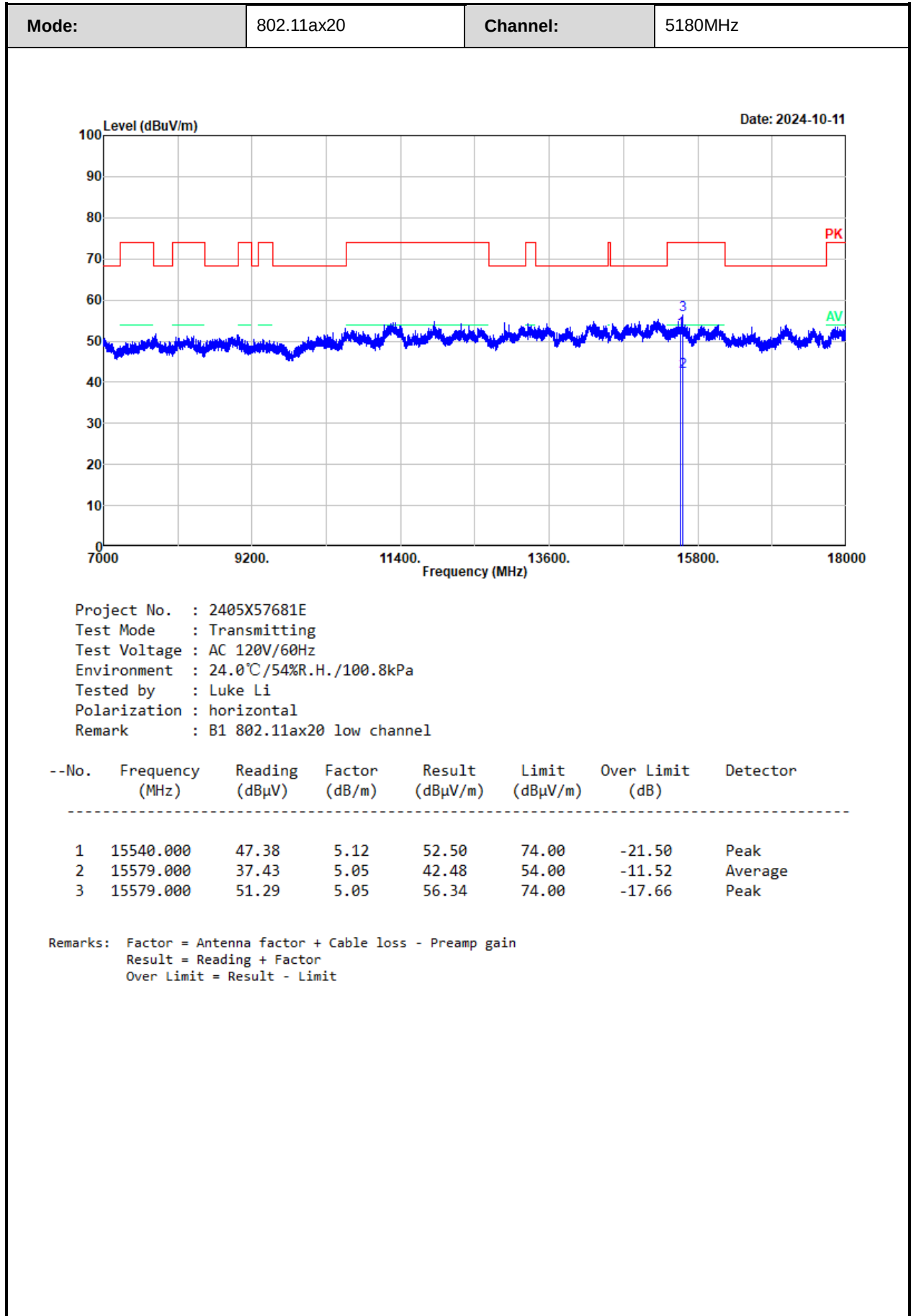


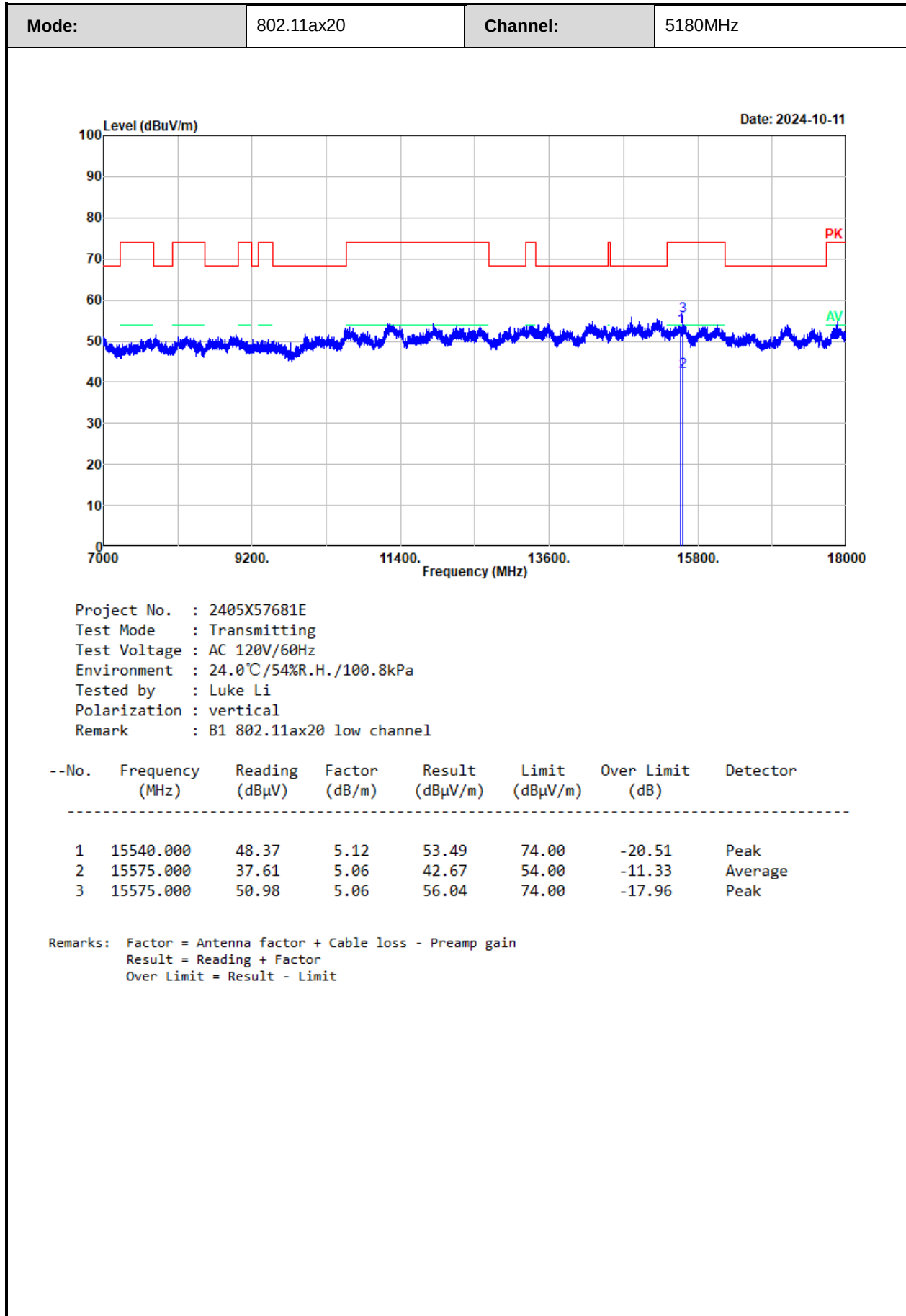












5250-5350MHz:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11a							
Low Channel							
5150.000	36.84	horizontal	8.01	44.85	54.00	-9.15	Average
5150.000	49.13	horizontal	8.01	57.14	74.00	-16.86	Peak
5150.000	36.66	vertical	8.01	44.67	54.00	-9.33	Average
5150.000	48.08	vertical	8.01	56.09	74.00	-17.91	Peak
15780.000	47.19	horizontal	4.49	51.68	74.00	-22.32	Peak
15780.000	47.43	vertical	4.49	51.92	74.00	-22.08	Peak
Middle Channel							
15840.000	47.38	horizontal	4.65	52.03	74.00	-21.97	Peak
15840.000	48.46	vertical	4.65	53.11	74.00	-20.89	Peak
High Channel							
5350.000	36.47	horizontal	7.63	44.10	54.00	-9.90	Average
5350.000	49.31	horizontal	7.63	56.94	74.00	-17.06	Peak
5350.000	36.97	vertical	7.63	44.60	54.00	-9.40	Average
5350.000	50.00	vertical	7.63	57.63	74.00	-16.37	Peak
15960.000	47.13	horizontal	5.18	52.31	74.00	-21.69	Peak
15960.000	46.15	vertical	5.18	51.33	74.00	-22.67	Peak
802.11n20							
Low Channel							
5150.000	36.48	horizontal	8.01	44.49	54.00	-9.51	Average
5150.000	48.96	horizontal	8.01	56.97	74.00	-17.03	Peak
5150.000	36.39	vertical	8.01	44.40	54.00	-9.60	Average
5150.000	48.84	vertical	8.01	56.85	74.00	-17.15	Peak
15780.000	45.94	horizontal	4.49	50.43	74.00	-23.57	Peak
15780.000	46.03	vertical	4.49	50.52	74.00	-23.48	Peak
Middle Channel							
15840.000	47.03	horizontal	4.65	51.68	74.00	-22.32	Peak
15840.000	46.83	vertical	4.65	51.48	74.00	-22.52	Peak
High Channel							
5350.000	36.45	horizontal	7.63	44.08	54.00	-9.92	Average
5350.000	50.07	horizontal	7.63	57.70	74.00	-16.30	Peak
5350.000	36.75	vertical	7.63	44.38	54.00	-9.62	Average
5350.000	49.36	vertical	7.63	56.99	74.00	-17.01	Peak

15960.000	45.98	horizontal	5.18	51.16	74.00	-22.84	Peak
15960.000	45.04	vertical	5.18	50.22	74.00	-23.78	Peak
802.11n40							
Low Channel							
5150.000	36.27	horizontal	8.01	44.28	54.00	-9.72	Average
5150.000	48.77	horizontal	8.01	56.78	74.00	-17.22	Peak
5150.000	36.57	vertical	8.01	44.58	54.00	-9.42	Average
5150.000	48.86	vertical	8.01	56.87	74.00	-17.13	Peak
15810.000	46.60	horizontal	4.56	51.16	74.00	-22.84	Peak
15810.000	45.96	vertical	4.56	50.52	74.00	-23.48	Peak
High Channel							
5350.020	36.96	horizontal	7.63	44.59	54.00	-9.41	Average
5350.020	49.03	horizontal	7.63	56.66	74.00	-17.34	Peak
5350.000	36.95	vertical	7.63	44.58	54.00	-9.42	Average
5350.000	49.41	vertical	7.63	57.04	74.00	-16.96	Peak
15930.000	46.65	horizontal	5.01	51.66	74.00	-22.34	Peak
15930.000	47.14	vertical	5.01	52.15	74.00	-21.85	Peak
802.11ac80							
5150.000	36.82	horizontal	8.01	44.83	54.00	-9.17	Average
5150.000	48.93	horizontal	8.01	56.94	74.00	-17.06	Peak
5350.000	37.02	horizontal	7.63	44.65	54.00	-9.35	Average
5350.000	49.59	horizontal	7.63	57.22	74.00	-16.78	Peak
5150.000	36.48	vertical	8.01	44.49	54.00	-9.51	Average
5150.000	48.67	vertical	8.01	56.68	74.00	-17.32	Peak
5350.000	36.93	vertical	7.63	44.56	54.00	-9.44	Average
5350.000	49.25	vertical	7.63	56.88	74.00	-17.12	Peak
15870.000	47.78	horizontal	4.76	52.54	74.00	-21.46	Peak
15870.000	47.33	vertical	4.76	52.09	74.00	-21.91	Peak
802.11ac160							
5150.000	37.54	horizontal	8.01	45.55	54	-8.45	Average
5150.000	50.03	horizontal	8.01	58.04	74	-15.96	Peak
5350.000	37.36	horizontal	7.63	44.99	54	-9.01	Average
5350.000	50.12	horizontal	7.63	57.75	74	-16.25	Peak
5150.000	36.98	vertical	8.01	44.99	54	-9.01	Average
5150.000	49.86	vertical	8.01	57.87	74	-16.13	Peak
5350.000	37.03	vertical	7.63	44.66	54	-9.34	Average
5350.000	49.98	vertical	7.63	57.61	74	-16.39	Peak
15750.000	45.68	horizontal	4.46	50.14	74	-23.86	Peak

15750.000	45.06	vertical	4.46	49.52	74	-24.48	Peak
802.11ax20							
Low Channel							
5150.000	36.61	horizontal	8.01	44.62	54.00	-9.38	Average
5150.000	49.30	horizontal	8.01	57.31	74.00	-16.69	Peak
5150.000	36.30	vertical	8.01	44.31	54.00	-9.69	Average
5150.000	48.81	vertical	8.01	56.82	74.00	-17.18	Peak
15780.000	45.69	horizontal	4.49	50.18	74.00	-23.82	Peak
15780.000	46.00	vertical	4.49	50.49	74.00	-23.51	Peak
Middle Channel							
15840.000	46.53	horizontal	4.65	51.18	74.00	-22.82	Peak
15840.000	47.13	vertical	4.65	51.78	74.00	-22.22	Peak
High Channel							
5350.000	36.61	horizontal	7.63	44.24	54.00	-9.76	Average
5350.000	49.08	horizontal	7.63	56.71	74.00	-17.29	Peak
5350.000	36.86	vertical	7.63	44.49	54.00	-9.51	Average
5350.000	49.72	vertical	7.63	57.35	74.00	-16.65	Peak
15960.000	46.28	horizontal	5.18	51.46	74.00	-22.54	Peak
15960.000	45.63	vertical	5.18	50.81	74.00	-23.19	Peak
802.11ax40							
Low Channel							
5150.000	36.34	horizontal	8.01	44.35	54.00	-9.65	Average
5150.000	49.12	horizontal	8.01	57.13	74.00	-16.87	Peak
5150.000	36.71	vertical	8.01	44.72	54.00	-9.28	Average
5150.000	48.99	vertical	8.01	57.00	74.00	-17.00	Peak
15810.000	46.18	horizontal	4.56	50.74	74.00	-23.26	Peak
15810.000	47.24	vertical	4.56	51.80	74.00	-22.20	Peak
High Channel							
5350.020	36.73	horizontal	7.63	44.36	54.00	-9.64	Average
5350.020	49.91	horizontal	7.63	57.54	74.00	-16.46	Peak
5350.020	36.19	vertical	7.63	43.82	54.00	-10.18	Average
5350.020	49.32	vertical	7.63	56.95	74.00	-17.05	Peak
15930.000	46.21	horizontal	5.01	51.22	74.00	-22.78	Peak
15930.000	46.59	vertical	5.01	51.60	74.00	-22.40	Peak
802.11ax80							
5150.000	36.46	horizontal	8.01	44.47	54.00	-9.53	Average
5150.000	49.01	horizontal	8.01	57.02	74.00	-16.98	Peak
5350.000	36.81	horizontal	7.63	44.44	54.00	-9.56	Average

5350.000	50.03	horizontal	7.63	57.66	74.00	-16.34	Peak
5150.000	36.59	vertical	8.01	44.60	54.00	-9.40	Average
5150.000	49.38	vertical	8.01	57.39	74.00	-16.61	Peak
5350.000	36.61	vertical	7.63	44.24	54.00	-9.76	Average
5350.000	49.61	vertical	7.63	57.24	74.00	-16.76	Peak
15870.000	47.51	horizontal	4.76	52.27	74.00	-21.73	Peak
15870.000	47.46	vertical	4.76	52.22	74.00	-21.78	Peak
802.11ax160							
5150.000	36.95	horizontal	8.01	44.96	54.00	-9.04	Average
5150.000	49.14	horizontal	8.01	57.15	74.00	-16.85	Peak
5350.000	36.95	horizontal	7.63	44.58	54.00	-9.42	Average
5350.000	49.97	horizontal	7.63	57.60	74.00	-16.40	Peak
5150.000	36.68	vertical	8.01	44.69	54.00	-9.31	Average
5150.000	49.07	vertical	8.01	57.08	74.00	-16.92	Peak
5350.000	36.52	vertical	7.63	44.15	54.00	-9.85	Average
5350.000	49.51	vertical	7.63	57.14	74.00	-16.86	Peak
15750.000	44.84	horizontal	4.46	49.30	74.00	-24.70	Peak
15750.000	44.50	vertical	4.46	48.96	74.00	-25.04	Peak

Note: Corrected factor=Antenna factor + Cable loss - Amplifier Gain

Corrected Amplitude=Reading level + Correct factor

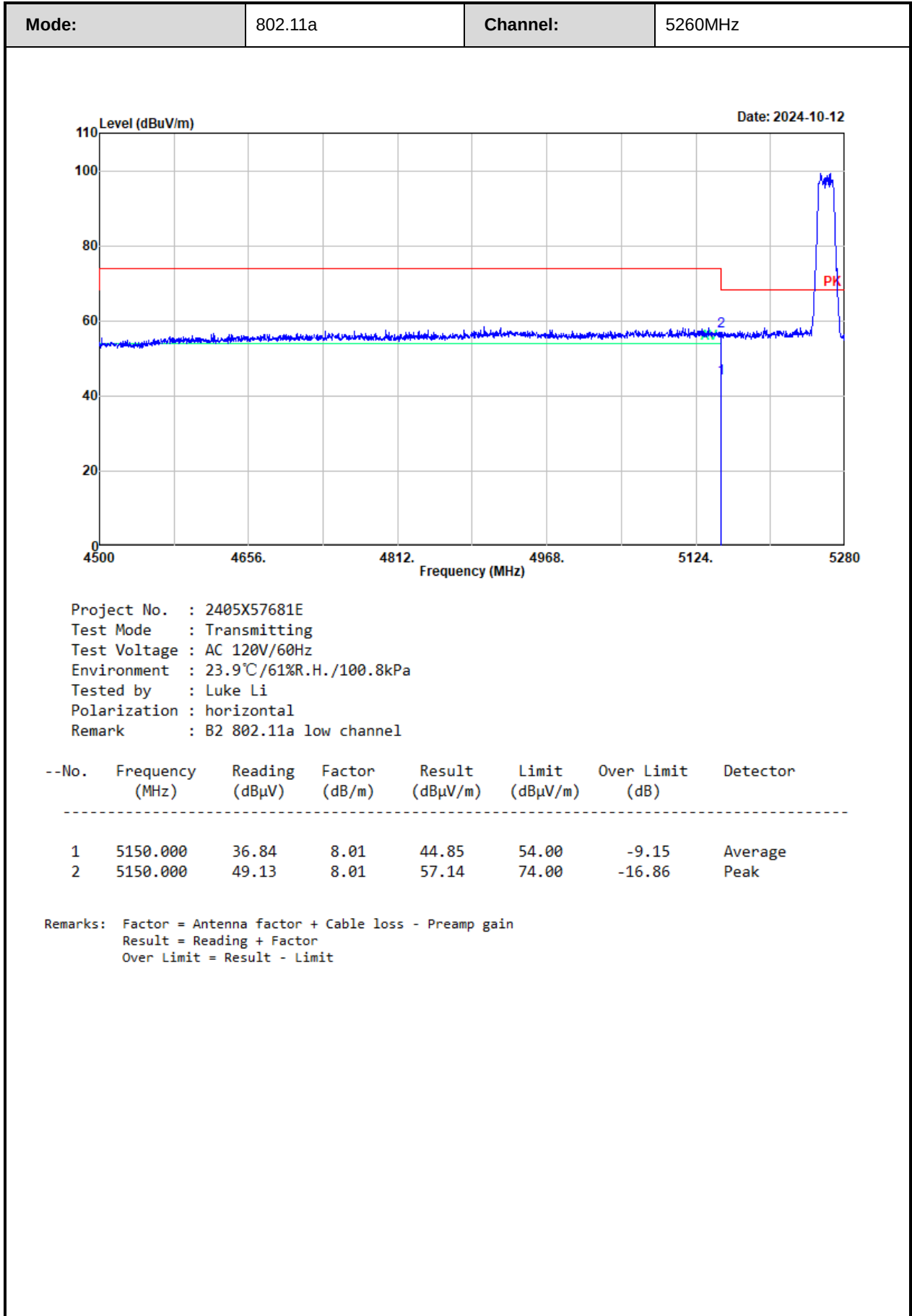
Margin= Corrected Amplitude-Limit

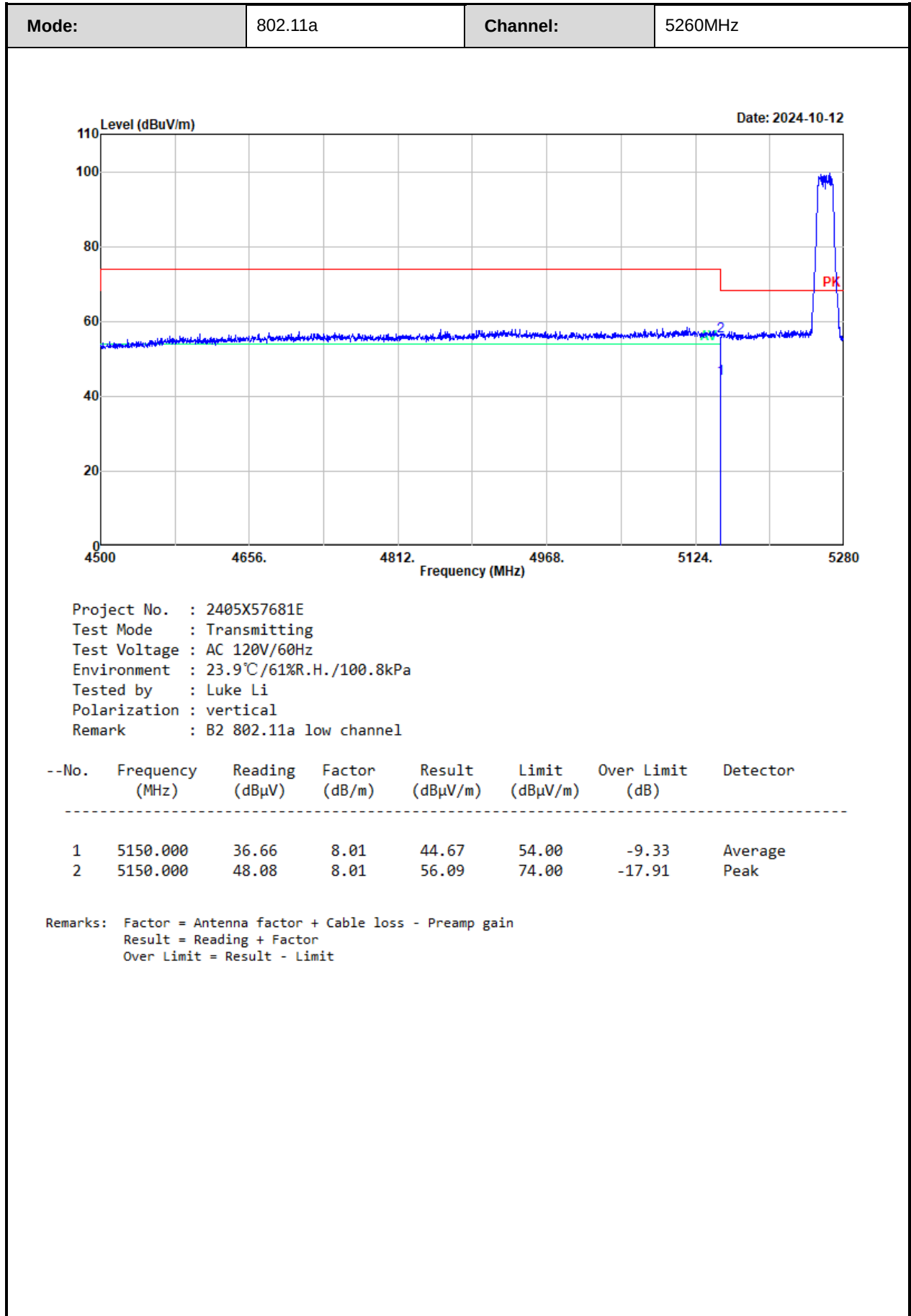
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

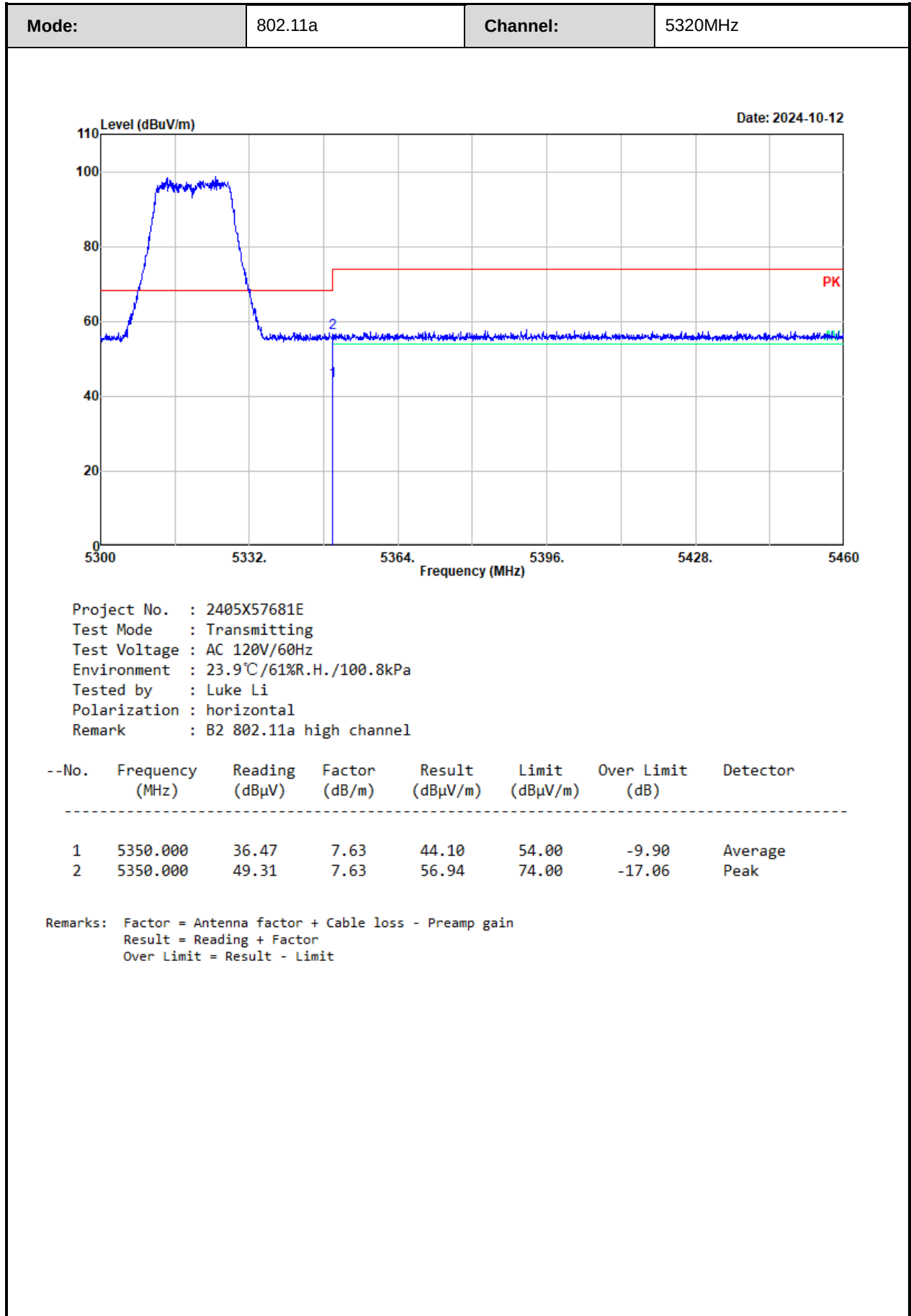
The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

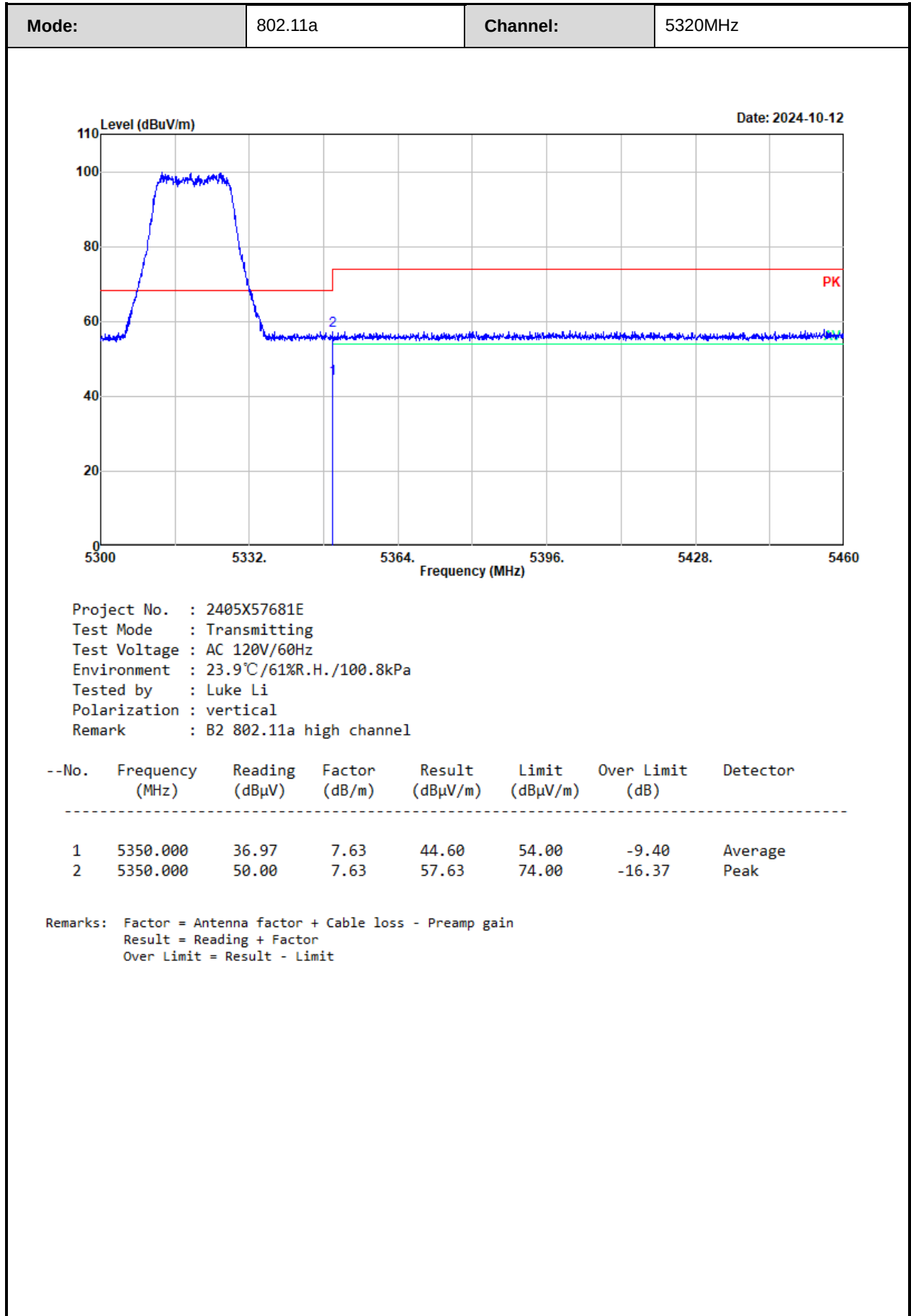
For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

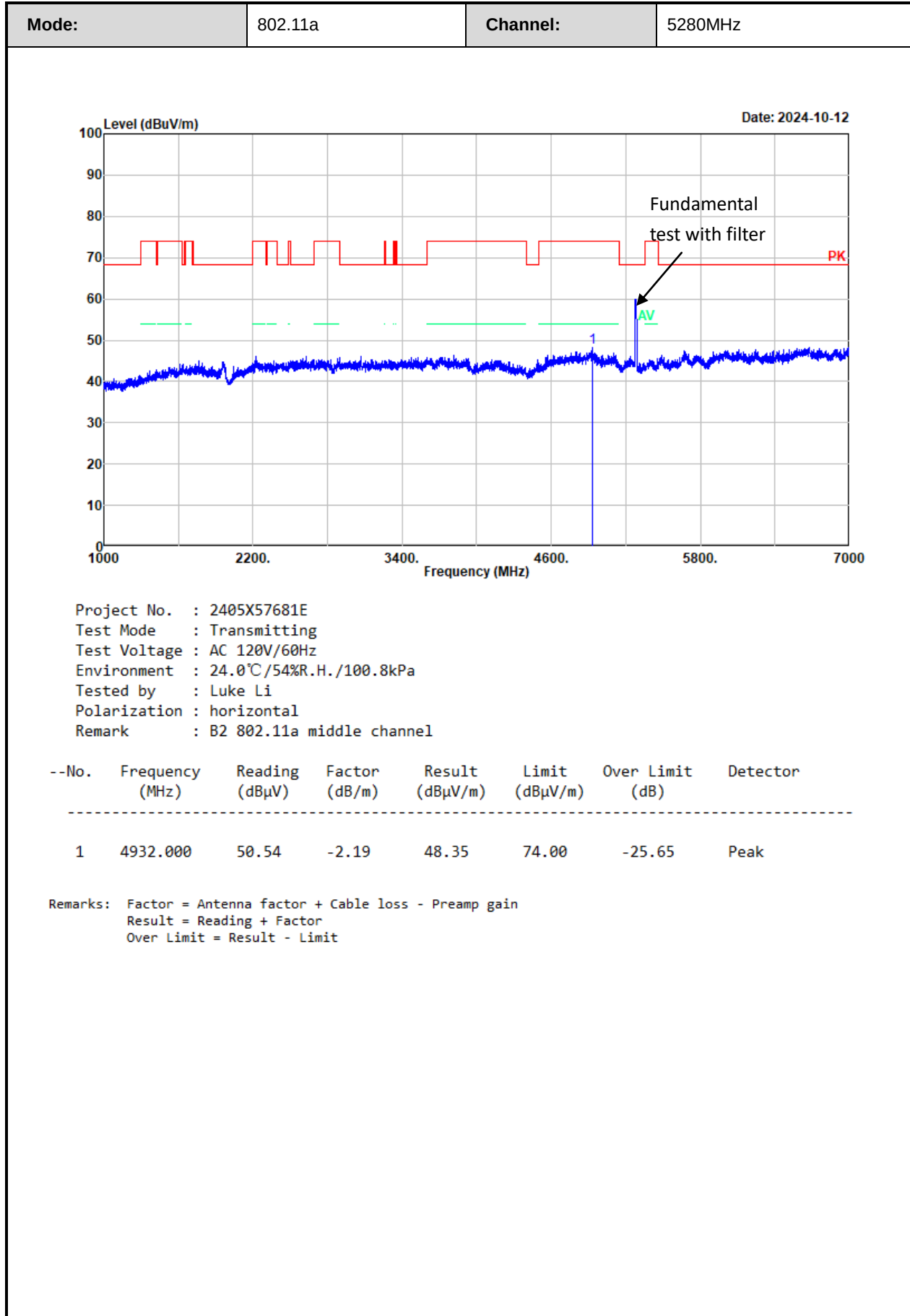
Test plot for example as below:

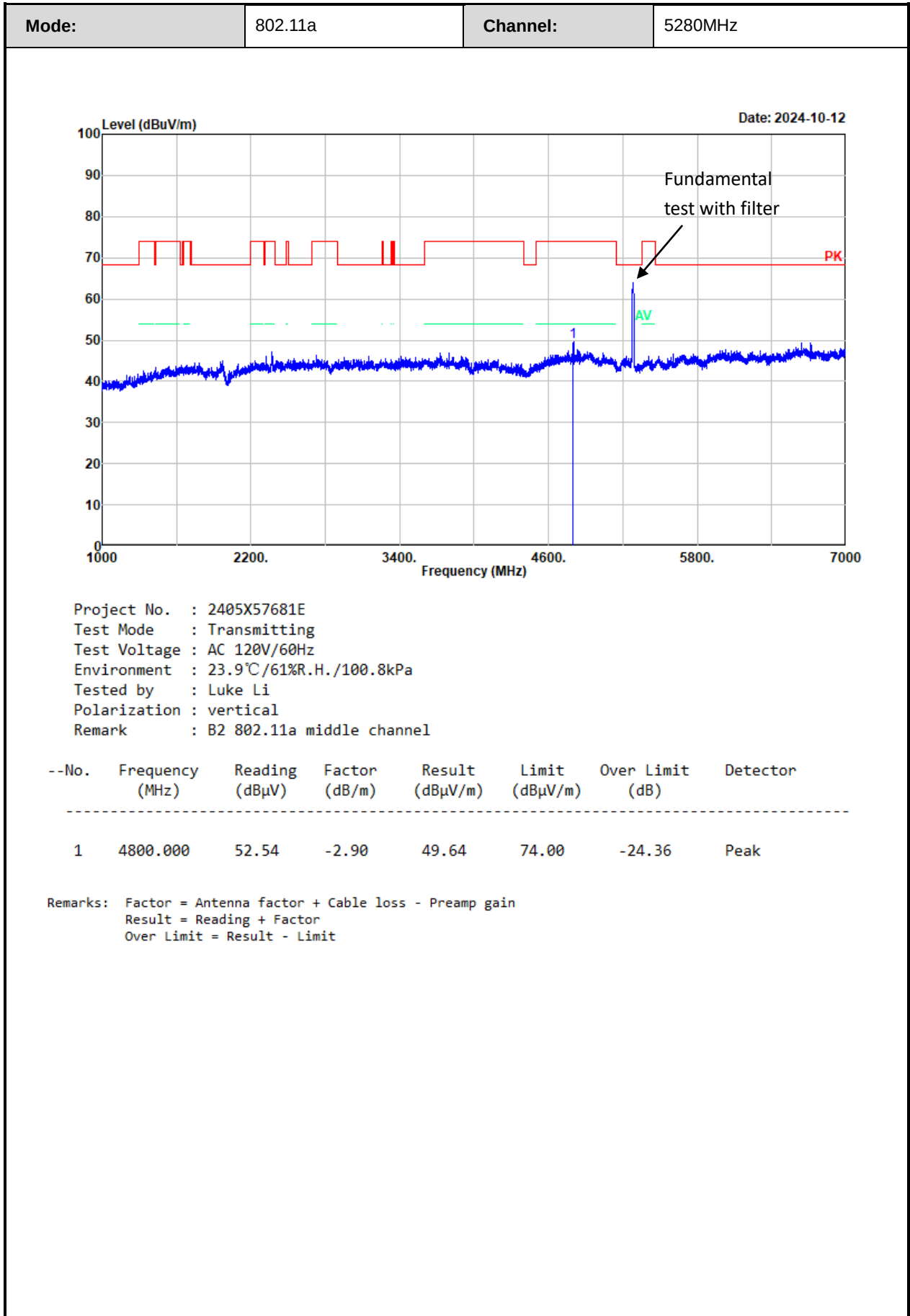


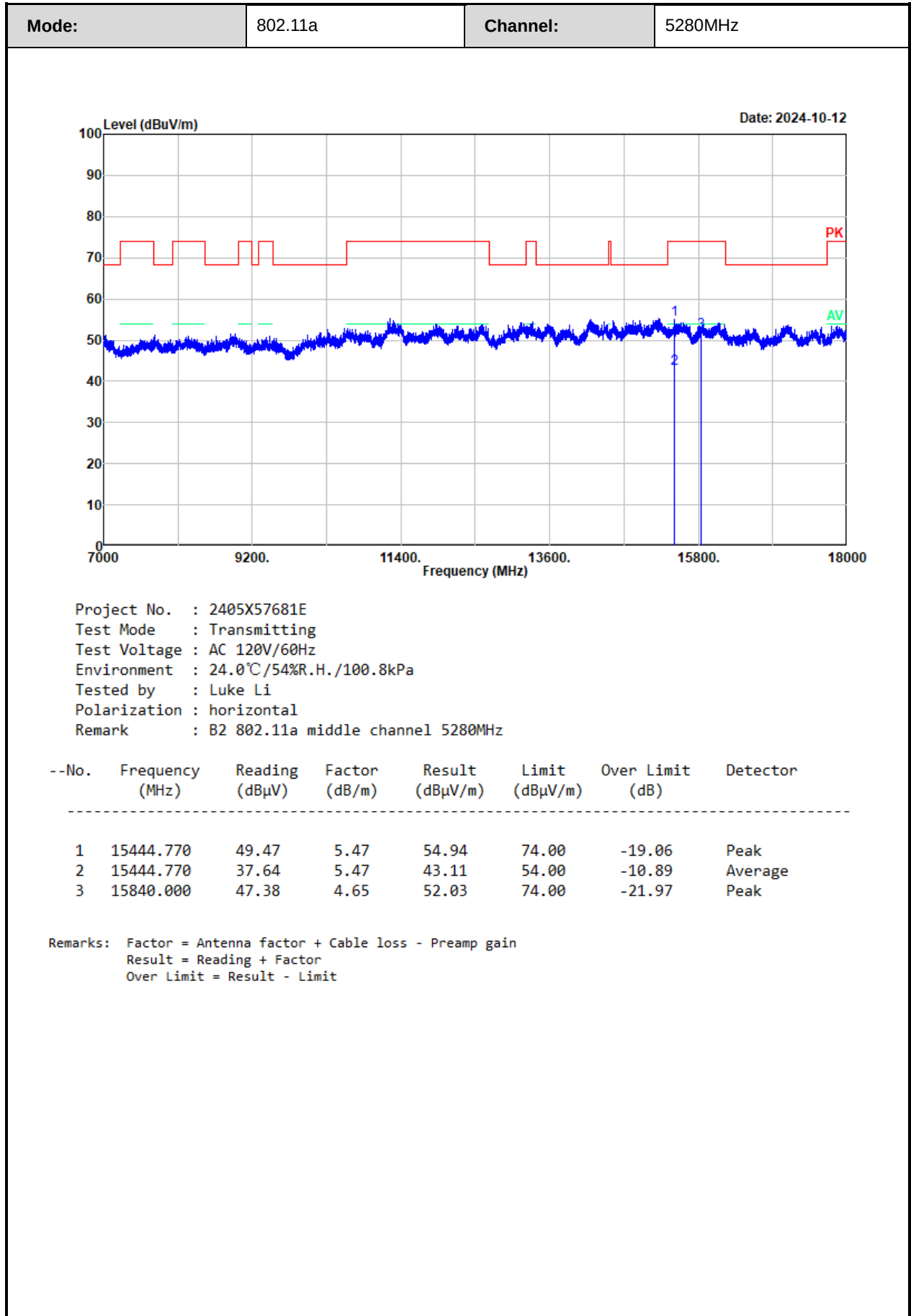


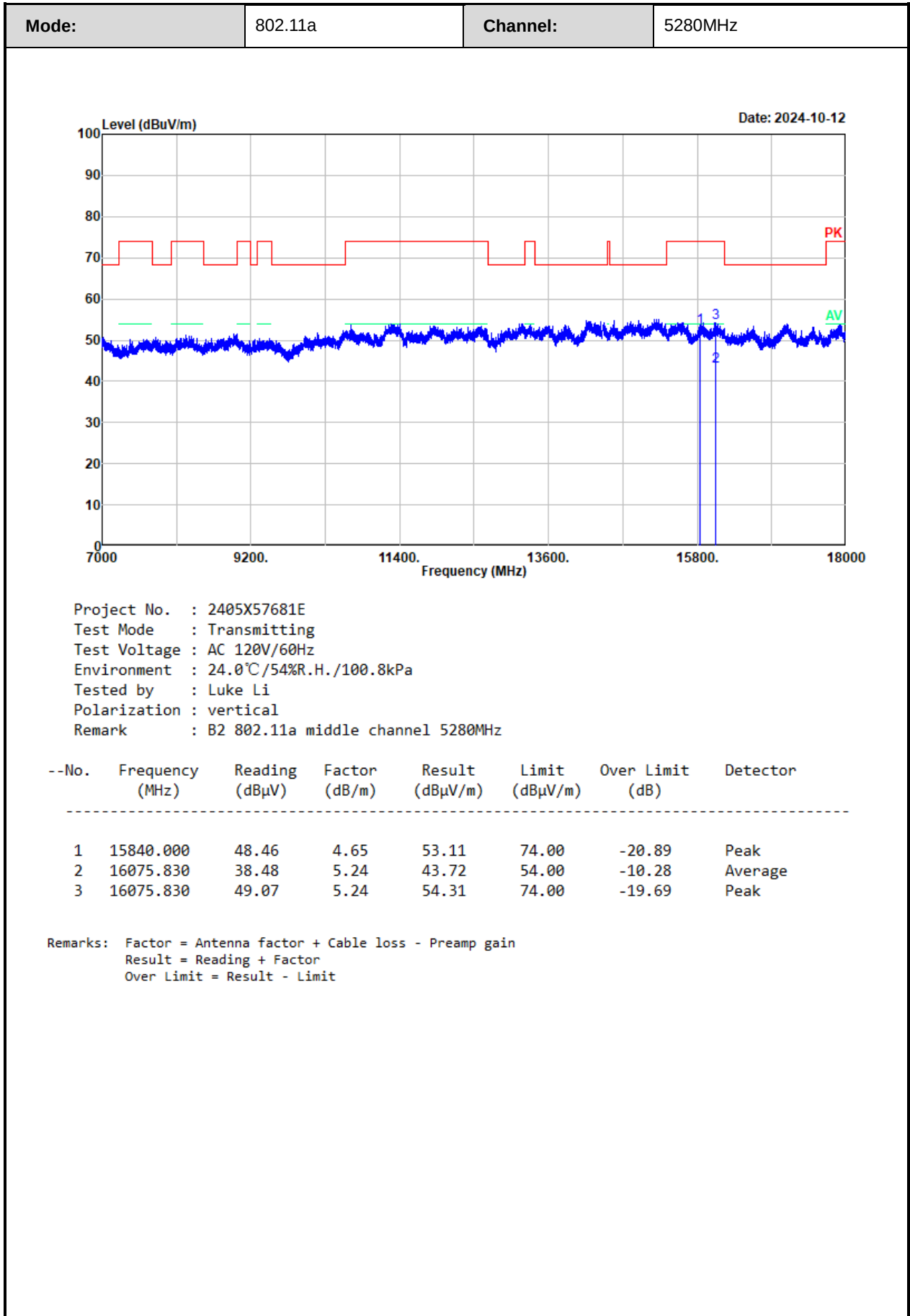












5470-5725MHz:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11a							
Low Channel							
5460.000	37.02	horizontal	7.61	44.63	54.00	-9.37	Average
5460.000	50.29	horizontal	7.61	57.90	74.00	-16.10	Peak
5460.000	37.13	vertical	7.61	44.74	54.00	-9.26	Average
5460.000	50.21	vertical	7.61	57.82	74.00	-16.18	Peak
11000.000	47.35	horizontal	2.65	50.00	74.00	-24.00	Peak
11000.000	47.24	vertical	2.65	49.89	74.00	-24.11	Peak
Middle Channel							
11160.000	46.98	horizontal	3.93	50.91	74.00	-23.09	Peak
11160.000	47.63	vertical	3.93	51.56	74.00	-22.44	Peak
High Channel							
5725.000	50.15	horizontal	8.27	58.42	68.20	-9.78	Peak
5725.000	49.75	vertical	8.27	58.02	68.20	-10.18	Peak
11400.000	48.03	horizontal	4.40	52.43	74.00	-21.57	Peak
11400.000	47.50	vertical	4.40	51.90	74.00	-22.10	Peak
802.11n20							
Low Channel							
5460.000	36.74	horizontal	7.61	44.35	54.00	-9.65	Average
5460.000	49.49	horizontal	7.61	57.10	74.00	-16.90	Peak
5460.000	36.80	vertical	7.61	44.41	54.00	-9.59	Average
5460.000	49.74	vertical	7.61	57.35	74.00	-16.65	Peak
11000.000	46.56	horizontal	2.65	49.21	74.00	-24.79	Peak
11000.000	47.16	vertical	2.65	49.81	74.00	-24.19	Peak
Middle Channel							
11160.000	48.22	horizontal	3.93	52.15	74.00	-21.85	Peak
11160.000	46.70	vertical	3.93	50.63	74.00	-23.37	Peak
High Channel							
5725.000	50.23	horizontal	8.27	58.50	68.20	-9.70	Peak
5725.000	50.35	vertical	8.27	58.62	68.20	-9.58	Peak
11400.000	48.53	horizontal	4.40	52.93	74.00	-21.07	Peak
11400.000	48.21	vertical	4.40	52.61	74.00	-21.39	Peak
802.11n40							
Low Channel							

5460.000	37.05	horizontal	7.61	44.66	54.00	-9.34	Average
5460.000	49.95	horizontal	7.61	57.56	74.00	-16.44	Peak
5460.000	36.77	vertical	7.61	44.38	54.00	-9.62	Average
5460.000	50.23	vertical	7.61	57.84	74.00	-16.16	Peak
11020.000	46.98	horizontal	2.72	49.70	74.00	-24.30	Peak
11020.000	47.45	vertical	2.72	50.17	74.00	-23.83	Peak
Middle Channel							
11100.000	46.64	horizontal	2.99	49.63	74.00	-24.37	Peak
11100.000	48.10	vertical	2.99	51.09	74.00	-22.91	Peak
High Channel							
5725.000	50.02	horizontal	8.27	58.29	68.20	-9.91	Peak
5725.000	50.09	vertical	8.27	58.36	68.20	-9.84	Peak
11340.000	48.08	horizontal	4.83	52.91	74.00	-21.09	Peak
11340.000	46.65	vertical	4.83	51.48	74.00	-22.52	Peak
802.11ac80							
Low Channel							
5460.000	36.88	horizontal	7.61	44.49	54.00	-9.51	Average
5460.000	49.97	horizontal	7.61	57.58	74.00	-16.42	Peak
5460.000	37.04	vertical	7.61	44.65	54.00	-9.35	Average
5460.000	50.28	vertical	7.61	57.89	74.00	-16.11	Peak
11060.000	46.34	horizontal	2.85	49.19	74.00	-24.81	Peak
11060.000	46.03	vertical	2.85	48.88	74.00	-25.12	Peak
High Channel							
5725.000	49.53	horizontal	8.27	57.80	68.20	-10.40	Peak
5725.000	51.33	vertical	8.27	59.60	68.20	-8.60	Peak
11220.000	47.73	horizontal	4.66	52.39	74.00	-21.61	Peak
11220.000	49.14	vertical	4.66	53.80	74.00	-20.20	Peak
802.11ac160							
5460.000	37.03	horizontal	7.61	44.64	54.00	-9.36	Average
5460.000	50.25	horizontal	7.61	57.86	74.00	-16.14	Peak
5460.000	37.42	vertical	7.61	45.03	54.00	-8.97	Average
5460.000	49.78	vertical	7.61	57.39	74.00	-16.61	Peak
5725.000	51.36	horizontal	8.27	59.63	68.20	-8.57	Peak
5725.000	50.51	vertical	8.27	58.78	68.20	-9.42	Peak
11340.000	47.75	horizontal	4.83	52.58	74.00	-21.42	Peak
11340.000	47.39	vertical	4.83	52.22	74.00	-21.78	Peak
802.11ax20							
Low Channel							

5460.000	36.95	horizontal	7.61	44.56	54.00	-9.44	Average
5460.000	51.11	horizontal	7.61	58.72	74.00	-15.28	Peak
5460.000	36.82	vertical	7.61	44.43	54.00	-9.57	Average
5460.000	49.32	vertical	7.61	56.93	74.00	-17.07	Peak
11000.000	45.75	horizontal	2.65	48.40	74.00	-25.60	Peak
11000.000	46.02	vertical	2.65	48.67	74.00	-25.33	Peak
Middle Channel							
11160.000	47.44	horizontal	3.93	51.37	74.00	-22.63	Peak
11160.000	47.62	vertical	3.93	51.55	74.00	-22.45	Peak
High Channel							
5725.000	49.30	horizontal	8.27	57.57	68.20	-10.63	Peak
5725.000	50.63	vertical	8.27	58.90	68.20	-9.30	Peak
11400.000	47.37	horizontal	4.40	51.77	74.00	-22.23	Peak
11400.000	47.62	vertical	4.40	52.02	74.00	-21.98	Peak
802.11ax40							
Low Channel							
5460.000	36.72	horizontal	7.61	44.33	54.00	-9.67	Average
5460.000	50.27	horizontal	7.61	57.88	74.00	-16.12	Peak
5460.000	36.72	vertical	7.61	44.33	54.00	-9.67	Average
5460.000	49.39	vertical	7.61	57.00	74.00	-17.00	Peak
11020.000	45.36	horizontal	2.72	48.08	74.00	-25.92	Peak
11020.000	46.50	vertical	2.72	49.22	74.00	-24.78	Peak
Middle Channel							
11100.000	46.65	horizontal	2.99	49.64	74.00	-24.36	Peak
11100.000	46.38	vertical	2.99	49.37	74.00	-24.63	Peak
High Channel							
5725.000	50.13	horizontal	8.27	58.40	68.20	-9.80	Peak
5725.000	49.57	vertical	8.27	57.84	68.20	-10.36	Peak
11340.000	47.95	horizontal	4.83	52.78	74.00	-21.22	Peak
11340.000	48.62	vertical	4.83	53.45	74.00	-20.55	Peak
802.11ax80							
Low Channel							
5460.000	36.61	horizontal	7.61	44.22	54.00	-9.78	Average
5460.000	49.96	horizontal	7.61	57.57	74.00	-16.43	Peak
5460.000	37.27	vertical	7.61	44.88	54.00	-9.12	Average
5460.000	50.73	vertical	7.61	58.34	74.00	-15.66	Peak
11060.000	47.05	horizontal	2.85	49.90	74.00	-24.10	Peak
11060.000	46.92	vertical	2.85	49.77	74.00	-24.23	Peak

High Channel							
5725.000	49.77	horizontal	8.27	58.04	68.20	-10.16	Peak
5725.000	49.43	vertical	8.27	57.70	68.20	-10.50	Peak
11220.000	48.78	horizontal	4.66	53.44	74.00	-20.56	Peak
11220.000	47.77	vertical	4.66	52.43	74.00	-21.57	Peak
802.11ax160							
Low Channel							
5460.000	36.88	horizontal	7.61	44.49	54.00	-9.51	Average
5460.000	50.78	horizontal	7.61	58.39	74.00	-15.61	Peak
5460.000	37.21	vertical	7.61	44.82	54.00	-9.18	Average
5460.000	49.41	vertical	7.61	57.02	74.00	-16.98	Peak
5725.000	51.04	horizontal	8.27	59.31	68.20	-8.89	Peak
5725.000	50.12	vertical	8.27	58.39	68.20	-9.81	Peak
11340.000	47.48	horizontal	4.83	52.31	74.00	-21.69	Peak
11340.000	47.30	vertical	4.83	52.13	74.00	-21.87	Peak

Note: Corrected factor=Antenna factor + Cable loss - Amplifier Gain

Corrected Amplitude=Reading level + Correct factor

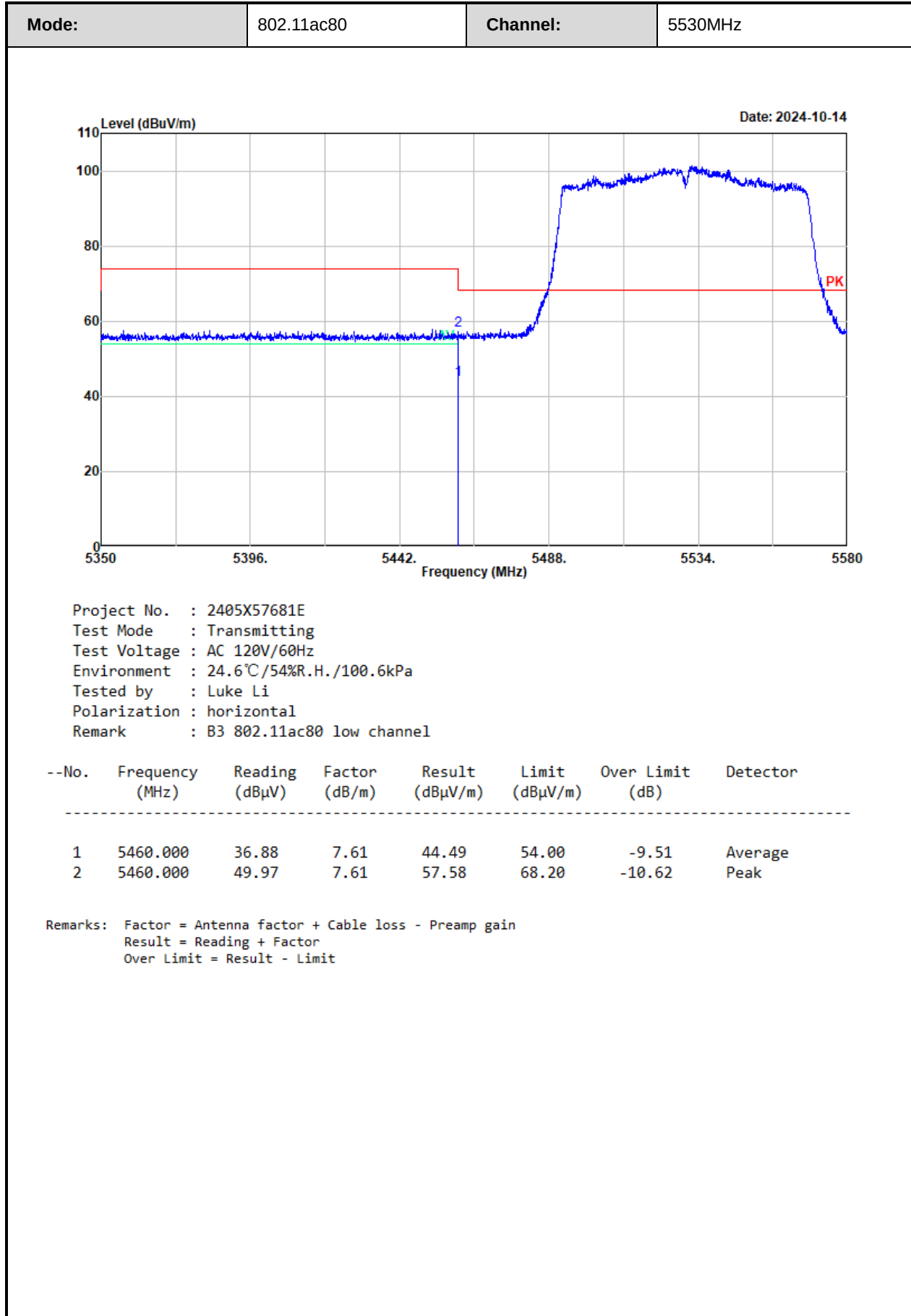
Margin= Corrected Amplitude-Limit

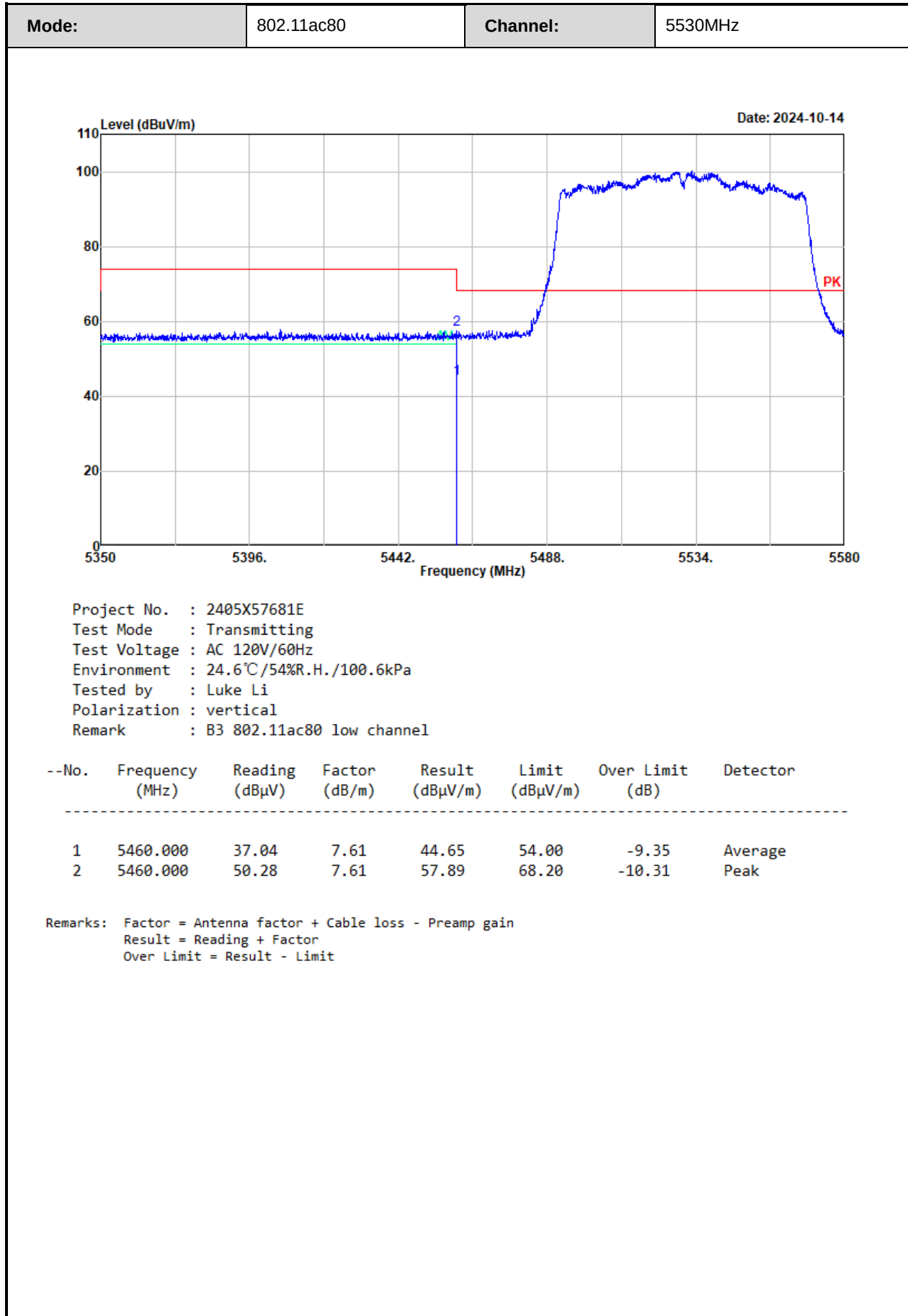
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

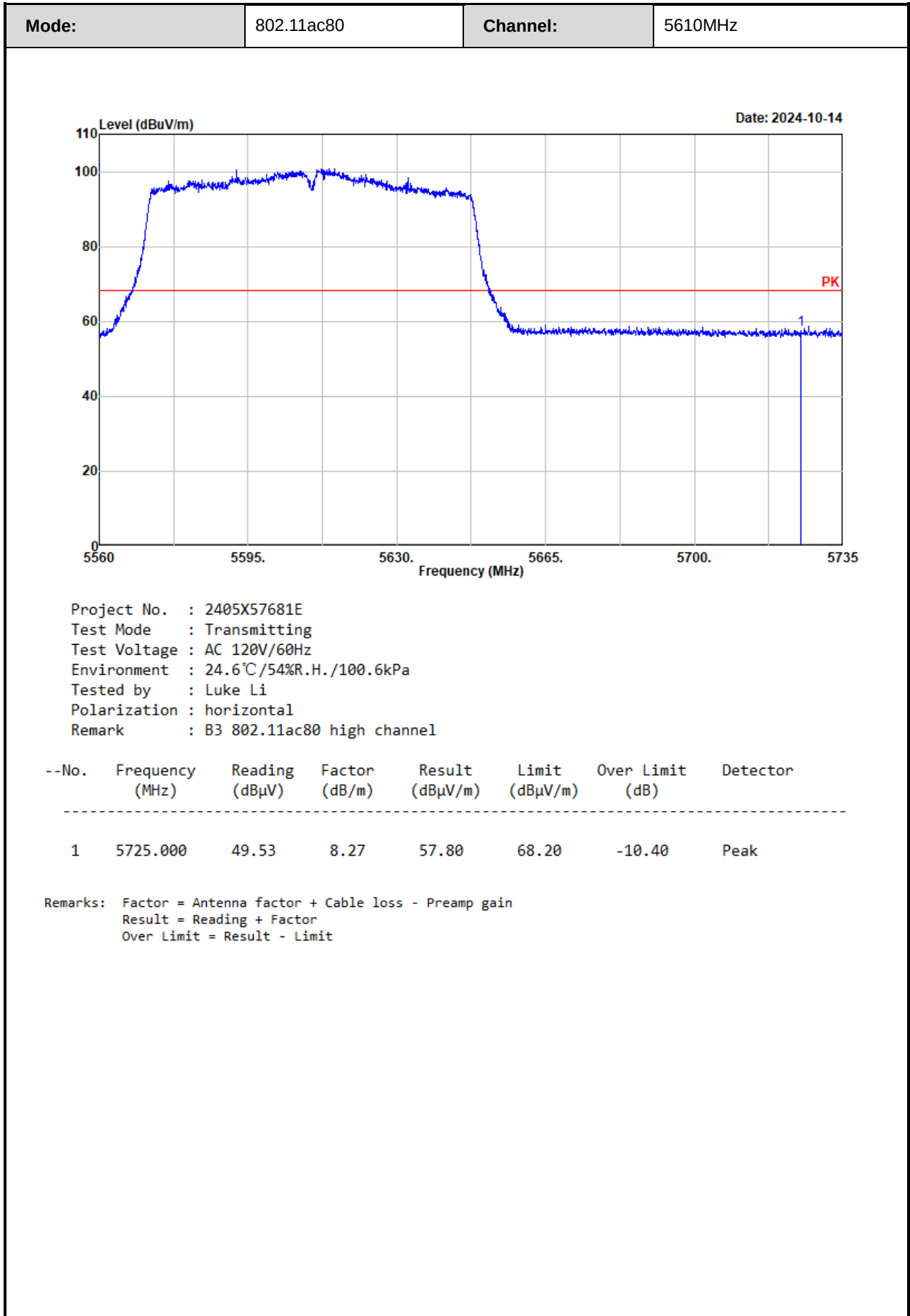
The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

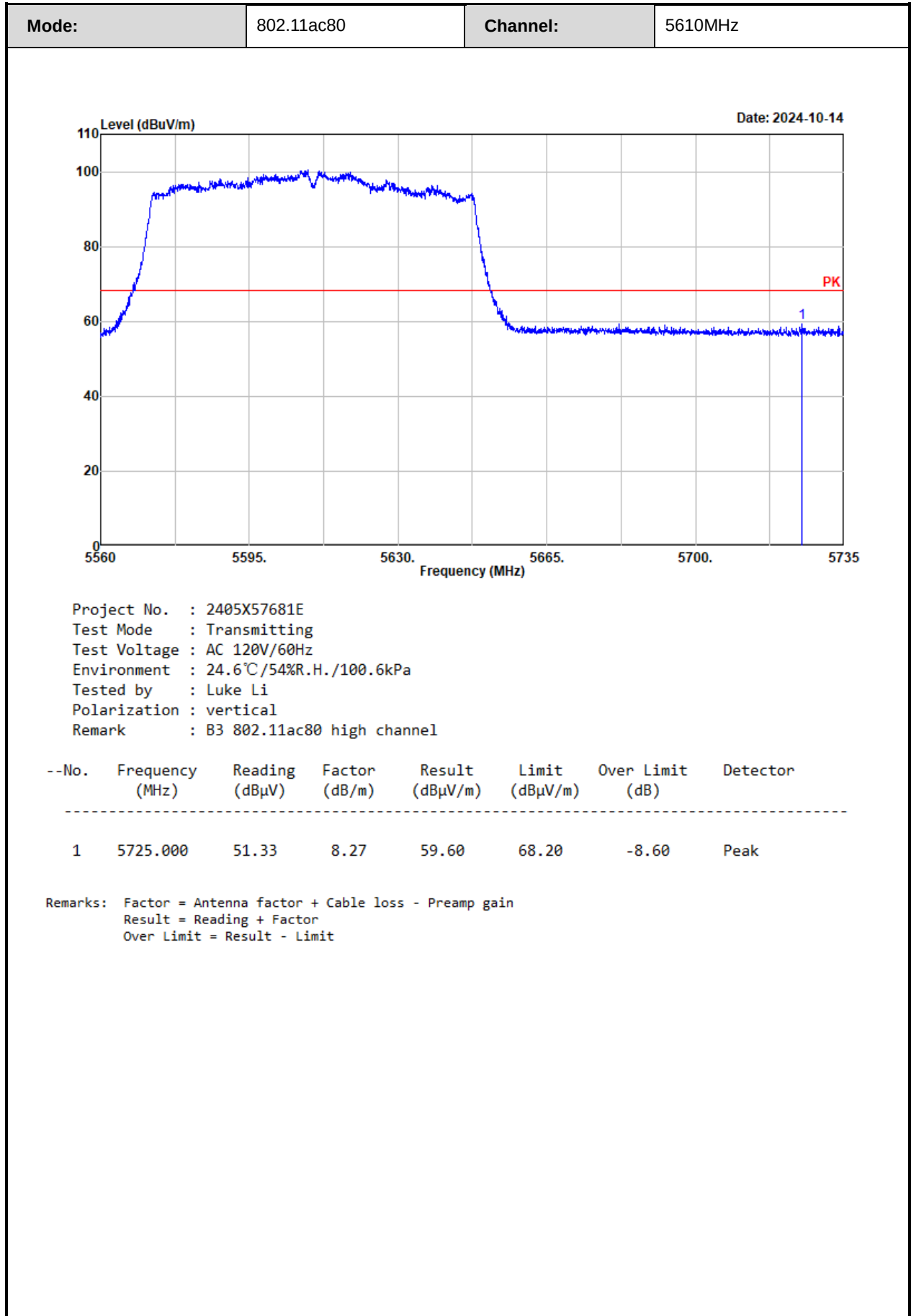
For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

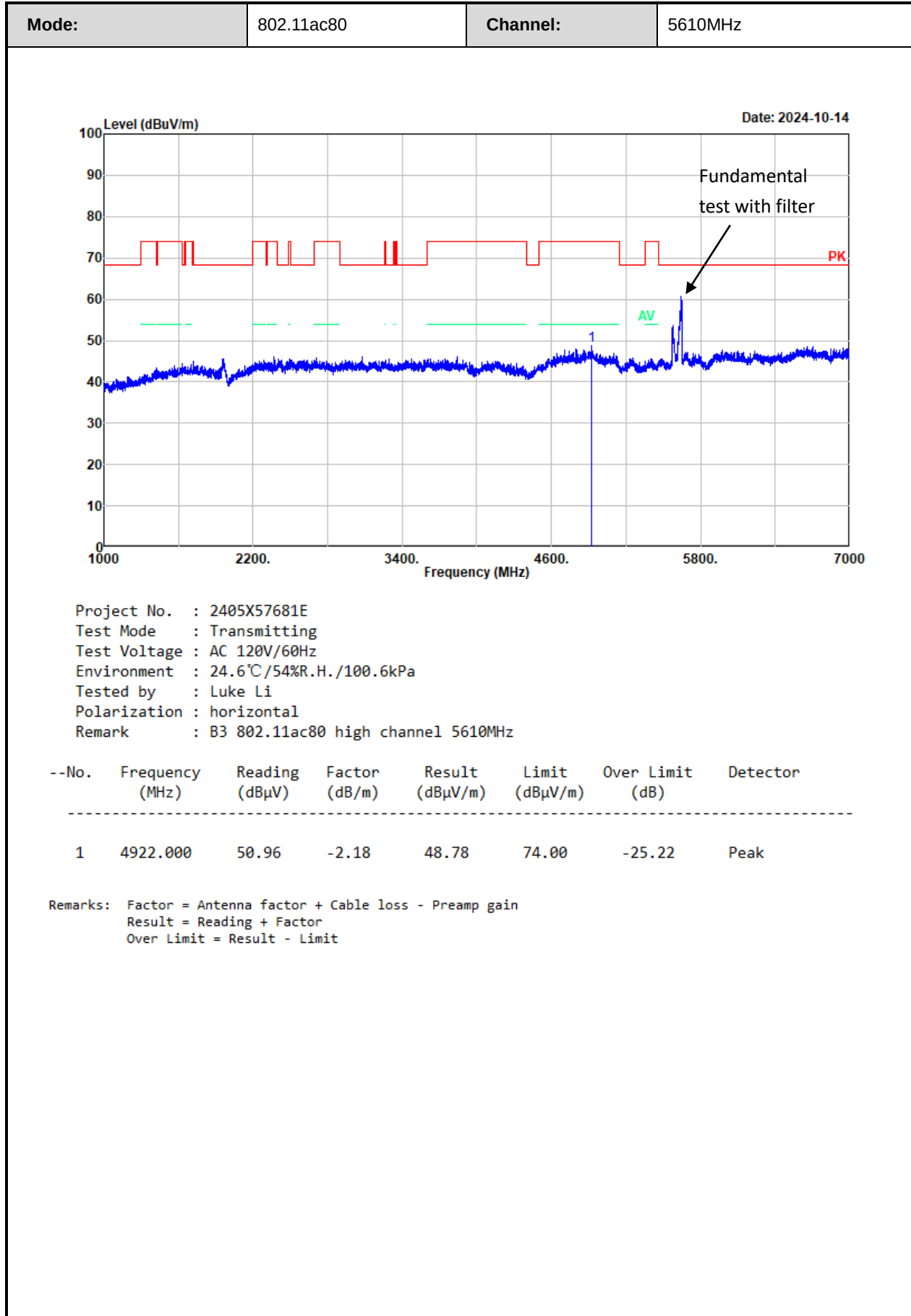
Test plot for example as below:

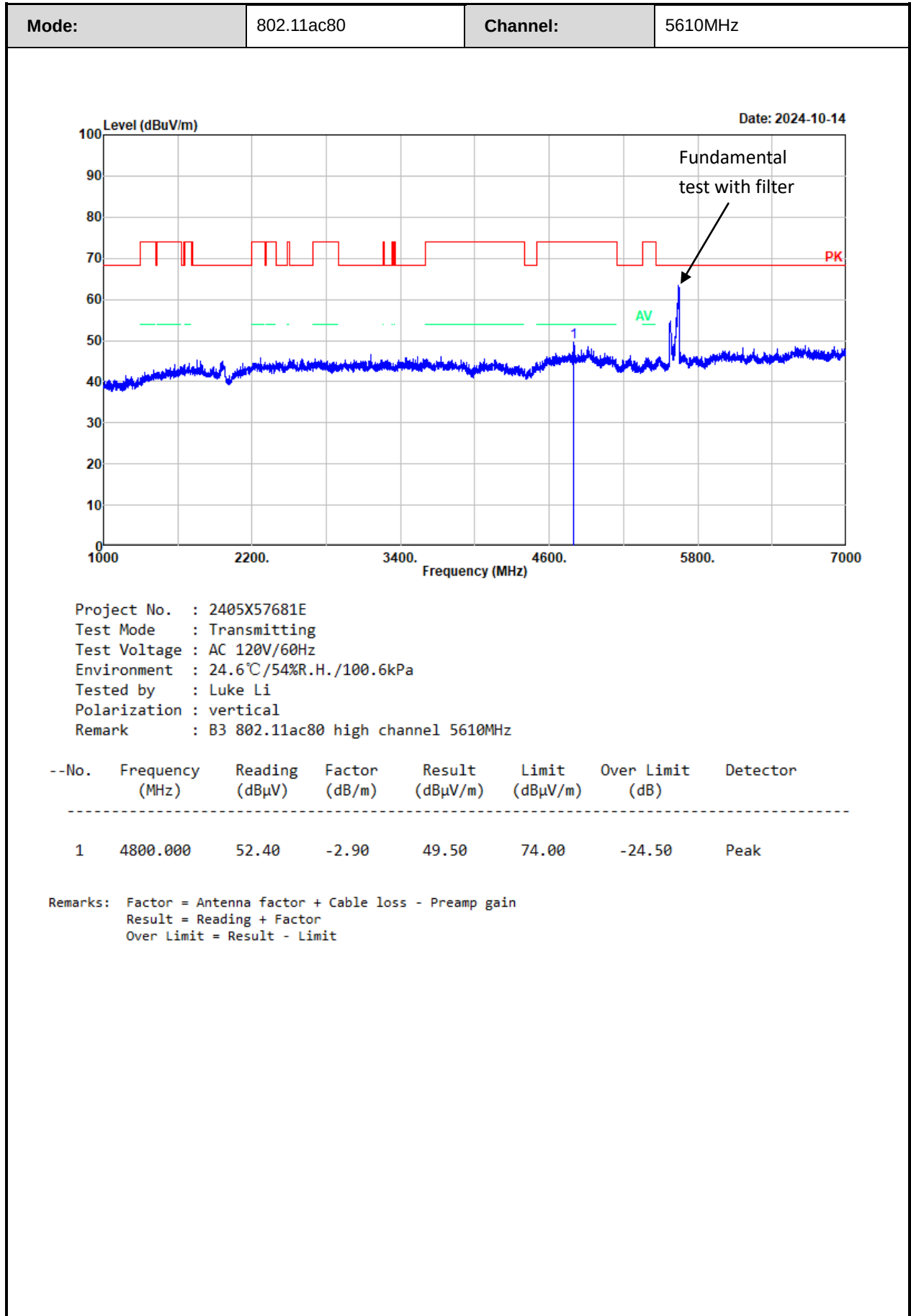


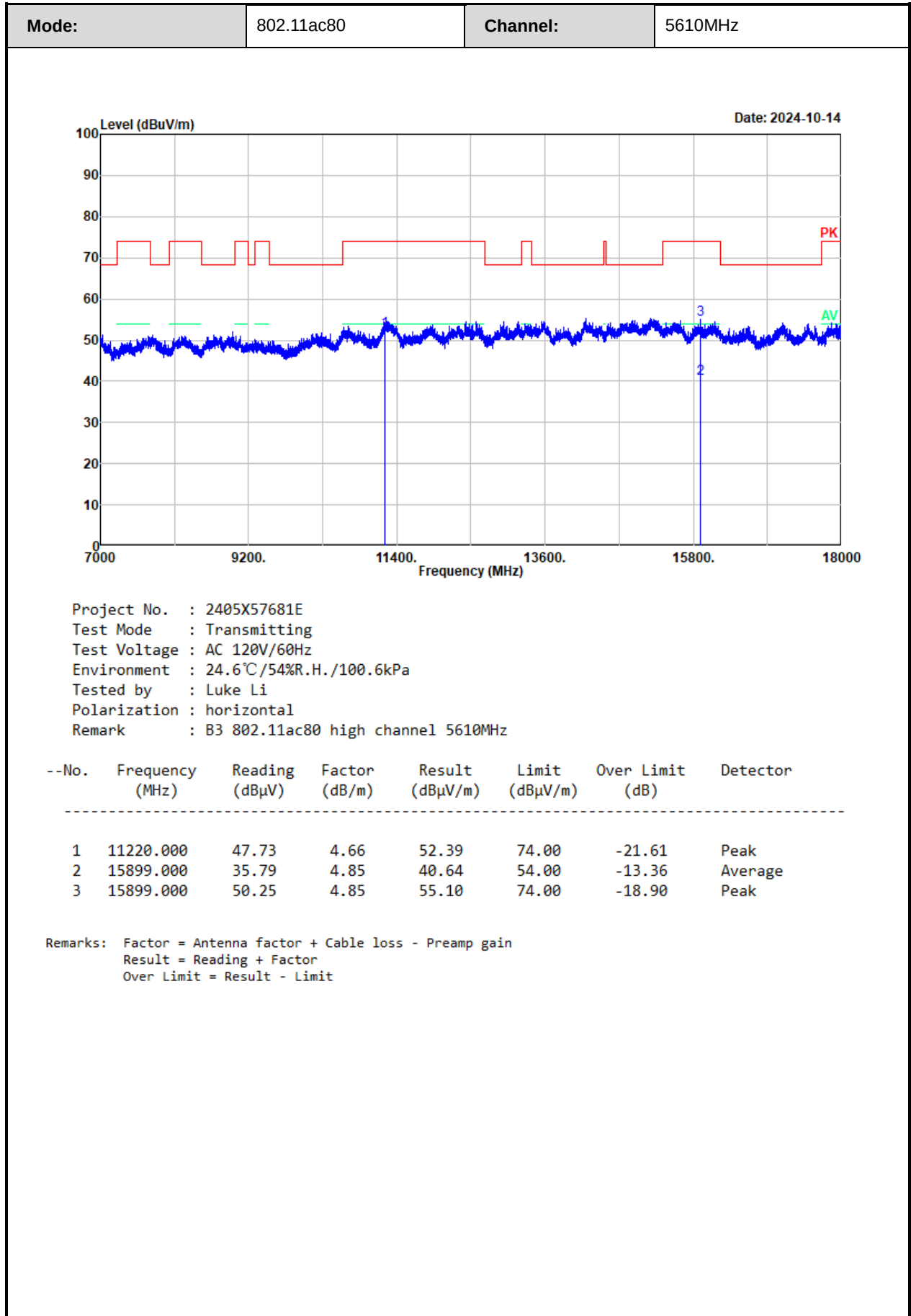


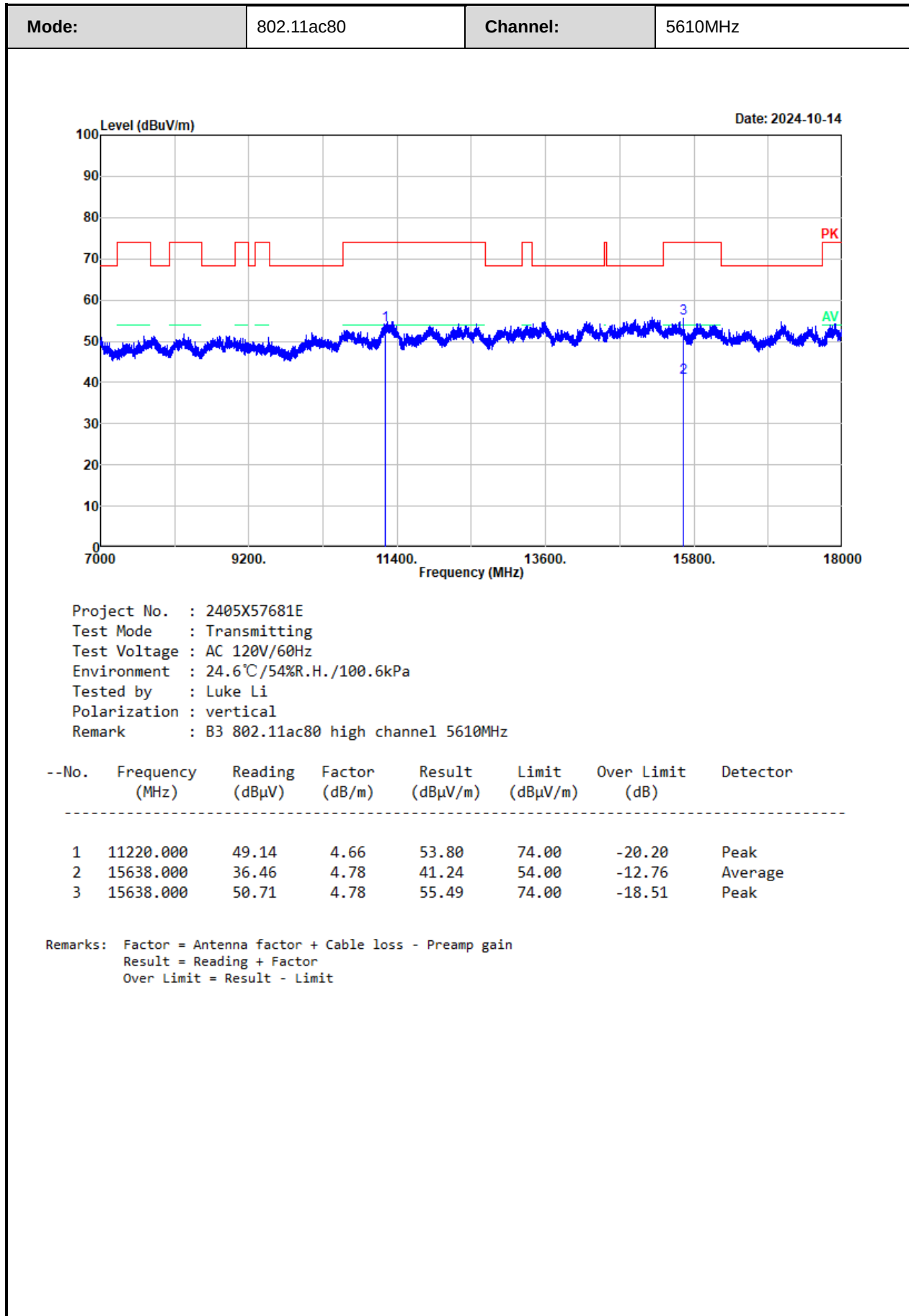












5725-5850MHz:

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11a							
Low Channel							
5619.530	50.60	horizontal	8.10	58.70	68.20	-9.50	Peak
5690.925	51.95	horizontal	8.29	60.24	98.51	-38.27	Peak
5716.698	51.05	horizontal	8.29	59.34	109.88	-50.54	Peak
5724.942	53.84	horizontal	8.27	62.11	122.07	-59.96	Peak
5613.367	50.79	vertical	8.09	58.88	68.20	-9.32	Peak
5662.511	51.24	vertical	8.20	59.44	77.49	-18.05	Peak
5715.818	50.72	vertical	8.29	59.01	109.63	-50.62	Peak
5724.702	51.92	vertical	8.27	60.19	121.52	-61.33	Peak
4800.000	55.78	horizontal	-2.90	52.88	74.00	-21.12	Peak
4800.000	51.06	vertical	-2.90	48.16	54.00	-5.84	Average
4800.000	59.53	vertical	-2.90	56.63	74.00	-17.37	Peak
11490.000	45.32	horizontal	4.54	49.86	74.00	-24.14	Peak
11490.000	45.66	vertical	4.54	50.20	74.00	-23.80	Peak
Middle Channel							
4800.000	56.37	horizontal	-2.90	53.47	74.00	-20.53	Peak
4800.000	53.54	vertical	-2.90	50.64	54.00	-3.36	Average
4800.000	58.12	vertical	-2.90	55.22	74.00	-18.78	Peak
11570.000	47.02	horizontal	3.96	50.98	74.00	-23.02	Peak
11570.000	47.09	vertical	3.96	51.05	74.00	-22.95	Peak
High Channel							
5850.858	55.09	horizontal	7.87	62.96	120.24	-57.28	Peak
5870.998	52.72	horizontal	7.79	60.51	106.32	-45.81	Peak
5901.621	51.55	horizontal	7.67	59.22	85.46	-26.24	Peak
5933.812	51.33	horizontal	7.69	59.02	68.20	-9.18	Peak
5850.280	51.49	vertical	7.87	59.36	121.56	-62.20	Peak
5870.172	50.82	vertical	7.79	58.61	106.55	-47.94	Peak
5920.440	51.64	vertical	7.68	59.32	71.56	-12.24	Peak
5955.272	51.54	vertical	7.68	59.22	68.20	-8.98	Peak
4800.000	56.03	horizontal	-2.90	53.13	74.00	-20.87	Peak
4800.000	53.73	vertical	-2.90	50.83	54.00	-3.17	Average
4800.000	59.86	vertical	-2.90	56.96	74.00	-17.04	Peak
11650.000	47.00	horizontal	3.64	50.64	74.00	-23.36	Peak

11650.000	46.65	vertical	3.64	50.29	74.00	-23.71	Peak
802.11n20							
Low Channel							
5636.818	50.60	horizontal	8.13	58.73	68.20	-9.47	Peak
5687.884	51.23	horizontal	8.29	59.52	96.26	-36.74	Peak
5719.580	55.01	horizontal	8.28	63.29	110.68	-47.39	Peak
5724.462	56.89	horizontal	8.27	65.16	120.97	-55.81	Peak
5641.621	50.72	vertical	8.14	58.86	68.20	-9.34	Peak
5668.995	51.13	vertical	8.22	59.35	82.29	-22.94	Peak
5704.132	50.71	vertical	8.32	59.03	106.36	-47.33	Peak
5724.222	51.37	vertical	8.27	59.64	120.43	-60.79	Peak
4800.000	52.91	horizontal	-2.90	50.01	74.00	-23.99	Peak
4800.000	56.49	vertical	-2.90	53.59	74.00	-20.41	Peak
11490.000	45.10	horizontal	4.54	49.64	74.00	-24.36	Peak
11490.000	46.22	vertical	4.54	50.76	74.00	-23.24	Peak
Middle Channel							
4800.000	53.60	horizontal	-2.90	50.70	74.00	-23.30	Peak
4800.000	52.22	vertical	-2.90	49.32	54.00	-4.68	Average
4800.000	57.84	vertical	-2.90	54.94	74.00	-19.06	Peak
11570.000	47.73	horizontal	3.96	51.69	74.00	-22.31	Peak
11570.000	47.79	vertical	3.96	51.75	74.00	-22.25	Peak
High Channel							
5854.325	50.56	horizontal	7.86	58.42	112.34	-53.92	Peak
5863.734	51.41	horizontal	7.82	59.23	108.35	-49.12	Peak
5906.161	51.96	horizontal	7.67	59.63	82.10	-22.47	Peak
5955.603	52.09	horizontal	7.68	59.77	68.20	-8.43	Peak
5853.582	50.41	vertical	7.86	58.27	114.03	-55.76	Peak
5869.512	50.64	vertical	7.79	58.43	106.73	-48.30	Peak
5897.824	52.12	vertical	7.68	59.80	88.27	-28.47	Peak
5949.330	51.65	vertical	7.70	59.35	68.20	-8.85	Peak
4800.000	52.14	horizontal	-2.90	49.24	74.00	-24.76	Peak
4800.000	56.49	vertical	-2.90	53.59	74.00	-20.41	Peak
11650.000	47.38	horizontal	3.64	51.02	74.00	-22.98	Peak
11650.000	46.92	vertical	3.64	50.56	74.00	-23.44	Peak
802.11n40							
Low Channel							
5627.374	50.65	horizontal	8.11	58.76	68.20	-9.44	Peak
5669.425	51.41	horizontal	8.22	59.63	82.61	-22.98	Peak

5714.897	53.29	horizontal	8.29	61.58	109.37	-47.79	Peak
5722.821	54.92	horizontal	8.28	63.20	117.23	-54.03	Peak
5625.033	50.65	vertical	8.11	58.76	68.20	-9.44	Peak
5691.306	51.68	vertical	8.29	59.97	98.79	-38.82	Peak
5711.926	50.98	vertical	8.30	59.28	108.54	-49.26	Peak
5720.480	52.28	vertical	8.27	60.55	111.90	-51.35	Peak
4800.000	53.38	horizontal	-2.90	50.48	74.00	-23.52	Peak
4800.000	55.97	vertical	-2.90	53.07	54.00	-0.93	Average
4800.000	59.32	vertical	-2.90	56.42	74.00	-17.58	Peak
11510.000	46.19	horizontal	4.47	50.66	74.00	-23.34	Peak
11510.000	46.31	vertical	4.47	50.78	74.00	-23.22	Peak
High Channel							
5852.041	50.71	horizontal	7.87	58.58	117.55	-58.97	Peak
5864.450	51.13	horizontal	7.81	58.94	108.15	-49.21	Peak
5918.699	51.72	horizontal	7.68	59.40	72.85	-13.45	Peak
5944.132	51.42	horizontal	7.70	59.12	68.20	-9.08	Peak
5853.374	50.80	vertical	7.86	58.66	114.51	-55.85	Peak
5861.681	50.90	vertical	7.83	58.73	108.93	-50.20	Peak
5918.392	51.93	vertical	7.68	59.61	73.07	-13.46	Peak
5939.415	51.68	vertical	7.69	59.37	68.20	-8.83	Peak
4800.000	54.62	horizontal	-2.90	51.72	74.00	-22.28	Peak
4800.000	55.57	vertical	-2.90	52.67	54.00	-1.33	Average
4800.000	58.48	vertical	-2.90	55.58	74.00	-18.42	Peak
11590.000	47.37	horizontal	3.78	51.15	74.00	-22.85	Peak
11590.000	48.05	vertical	3.78	51.83	74.00	-22.17	Peak
802.11ac80							
5643.709	50.61	horizontal	8.14	58.75	68.20	-9.45	Peak
5696.236	52.37	horizontal	8.31	60.68	102.43	-41.75	Peak
5717.809	53.03	horizontal	8.28	61.31	110.19	-48.88	Peak
5722.499	53.45	horizontal	8.28	61.73	116.50	-54.77	Peak
5851.000	51.90	horizontal	7.87	59.77	119.92	-60.15	Peak
5857.379	51.23	horizontal	7.85	59.08	110.13	-51.05	Peak
5877.451	51.23	horizontal	7.77	59.00	103.38	-44.38	Peak
5941.796	51.10	horizontal	7.70	58.80	68.20	-9.40	Peak
5646.148	51.16	vertical	8.14	59.30	68.20	-8.90	Peak
5698.674	51.77	vertical	8.33	60.10	104.22	-44.12	Peak
5714.432	54.43	vertical	8.29	62.72	109.24	-46.52	Peak
5724.375	55.57	vertical	8.27	63.84	120.77	-56.93	Peak

5852.126	50.78	vertical	7.87	58.65	117.35	-58.70	Peak
5865.820	51.28	vertical	7.81	59.09	107.77	-48.68	Peak
5894.710	51.62	vertical	7.69	59.31	90.58	-31.27	Peak
5929.415	51.48	vertical	7.69	59.17	68.20	-9.03	Peak
4800.000	56.38	horizontal	-2.90	53.48	74.00	-20.52	Peak
4800.000	53.84	vertical	-2.90	50.94	74.00	-23.06	Peak
11550.000	46.24	horizontal	4.12	50.36	74.00	-23.64	Peak
11550.000	47.51	vertical	4.12	51.63	74.00	-22.37	Peak
802.11ax20							
Low Channel							
5637.059	50.52	horizontal	8.13	58.65	68.20	-9.55	Peak
5677.319	51.51	horizontal	8.24	59.75	88.46	-28.71	Peak
5717.179	51.29	horizontal	8.29	59.58	110.01	-50.43	Peak
5724.302	57.35	horizontal	8.27	65.62	120.61	-54.99	Peak
5601.361	50.22	vertical	8.07	58.29	68.20	-9.91	Peak
5679.000	51.24	vertical	8.26	59.50	89.70	-30.20	Peak
5717.019	55.52	vertical	8.29	63.81	109.97	-46.16	Peak
5723.982	59.06	vertical	8.27	67.33	119.88	-52.55	Peak
4800.000	54.30	horizontal	-2.90	51.40	74.00	-22.60	Peak
4800.000	56.62	vertical	-2.90	53.72	74.00	-20.28	Peak
11490.000	45.38	horizontal	4.54	49.92	74.00	-24.08	Peak
11490.000	45.13	vertical	4.54	49.67	74.00	-24.33	Peak
Middle Channel							
11570.000	47.63	horizontal	3.96	51.59	74.00	-22.41	Peak
11570.000	47.02	vertical	3.96	50.98	74.00	-23.02	Peak
High Channel							
5851.766	51.06	horizontal	7.87	58.93	118.17	-59.24	Peak
5867.531	50.98	horizontal	7.80	58.78	107.29	-48.51	Peak
5918.955	51.45	horizontal	7.68	59.13	72.66	-13.53	Peak
5935.298	50.70	horizontal	7.69	58.39	68.20	-9.81	Peak
5851.188	49.78	vertical	7.87	57.65	119.49	-61.84	Peak
5865.303	50.24	vertical	7.81	58.05	107.91	-49.86	Peak
5917.469	51.47	vertical	7.68	59.15	73.75	-14.60	Peak
5928.859	51.25	vertical	7.69	58.94	68.20	-9.26	Peak
4800.000	55.20	horizontal	-2.90	52.30	74.00	-21.70	Peak
4800.000	54.52	vertical	-2.90	51.62	54.00	-2.38	Average
4800.000	59.02	vertical	-2.90	56.12	74.00	-17.88	Peak
11650.000	46.81	horizontal	3.64	50.45	74.00	-23.55	Peak

11650.000	45.85	vertical	3.64	49.49	74.00	-24.51	Peak
802.11ax40							
Low Channel							
5645.383	51.19	horizontal	8.14	59.33	68.20	-8.87	Peak
5678.970	51.50	horizontal	8.26	59.76	89.68	-29.92	Peak
5719.040	52.73	horizontal	8.28	61.01	110.53	-49.52	Peak
5723.091	56.78	horizontal	8.28	65.06	117.85	-52.79	Peak
5617.108	51.40	vertical	8.10	59.50	68.20	-8.70	Peak
5695.358	52.18	vertical	8.32	60.50	101.78	-41.28	Peak
5717.779	51.25	vertical	8.28	59.53	110.18	-50.65	Peak
5724.802	52.55	vertical	8.27	60.82	121.75	-60.93	Peak
4800.000	54.70	horizontal	-2.90	51.80	74.00	-22.20	Peak
4800.000	56.85	vertical	-2.90	53.95	74.00	-20.05	Peak
11510.000	46.45	horizontal	4.47	50.92	74.00	-23.08	Peak
11510.000	46.90	vertical	4.47	51.37	74.00	-22.63	Peak
High Channel							
5852.246	50.73	horizontal	7.87	58.60	117.08	-58.48	Peak
5872.039	50.89	horizontal	7.79	58.68	106.03	-47.35	Peak
5889.882	51.96	horizontal	7.71	59.67	94.15	-34.48	Peak
5949.567	51.61	horizontal	7.70	59.31	68.20	-8.89	Peak
5851.528	50.39	vertical	7.87	58.26	118.71	-60.45	Peak
5873.577	51.33	vertical	7.77	59.10	105.60	-46.50	Peak
5907.932	51.50	vertical	7.67	59.17	80.80	-21.63	Peak
5944.748	51.53	vertical	7.70	59.23	68.20	-8.97	Peak
4800.000	54.25	horizontal	-2.90	51.35	74.00	-22.65	Peak
4800.000	55.63	vertical	-2.90	52.73	54.00	-1.27	Average
4800.000	58.11	vertical	-2.90	55.21	74.00	-18.79	Peak
11590.000	46.57	horizontal	3.78	50.35	74.00	-23.65	Peak
11590.000	46.69	vertical	3.78	50.47	74.00	-23.53	Peak
802.11ax80							
5629.828	51.44	horizontal	8.12	59.56	68.20	-8.64	Peak
5671.661	51.48	horizontal	8.23	59.71	84.27	-24.56	Peak
5713.870	52.50	horizontal	8.30	60.80	109.09	-48.29	Peak
5723.812	56.13	horizontal	8.27	64.40	119.49	-55.09	Peak
5853.439	52.05	horizontal	7.86	59.91	114.36	-54.45	Peak
5862.631	51.20	horizontal	7.82	59.02	108.66	-49.64	Peak
5905.215	52.08	horizontal	7.67	59.75	82.80	-23.05	Peak
5935.793	51.09	horizontal	7.69	58.78	68.20	-9.42	Peak

5642.021	50.61	vertical	8.14	58.75	68.20	-9.45	Peak
5658.529	51.53	vertical	8.18	59.71	74.53	-14.82	Peak
5710.680	52.37	vertical	8.31	60.68	108.19	-47.51	Peak
5720.998	51.94	vertical	8.27	60.21	113.08	-52.87	Peak
5853.439	50.30	vertical	7.86	58.16	114.36	-56.20	Peak
5863.194	50.95	vertical	7.82	58.77	108.50	-49.73	Peak
5917.034	51.31	vertical	7.68	58.99	74.07	-15.08	Peak
5934.480	51.89	vertical	7.69	59.58	68.20	-8.62	Peak
4800.000	54.78	horizontal	-2.90	51.88	74.00	-22.12	Peak
4800.000	54.53	vertical	-2.90	51.63	74.00	-22.37	Peak
11570.000	46.65	horizontal	3.96	50.61	74.00	-23.39	Peak
11570.000	46.71	vertical	3.96	50.67	74.00	-23.33	Peak

Note: Corrected factor=Antenna factor + Cable loss - Amplifier Gain

Corrected Amplitude=Reading level + Correct factor

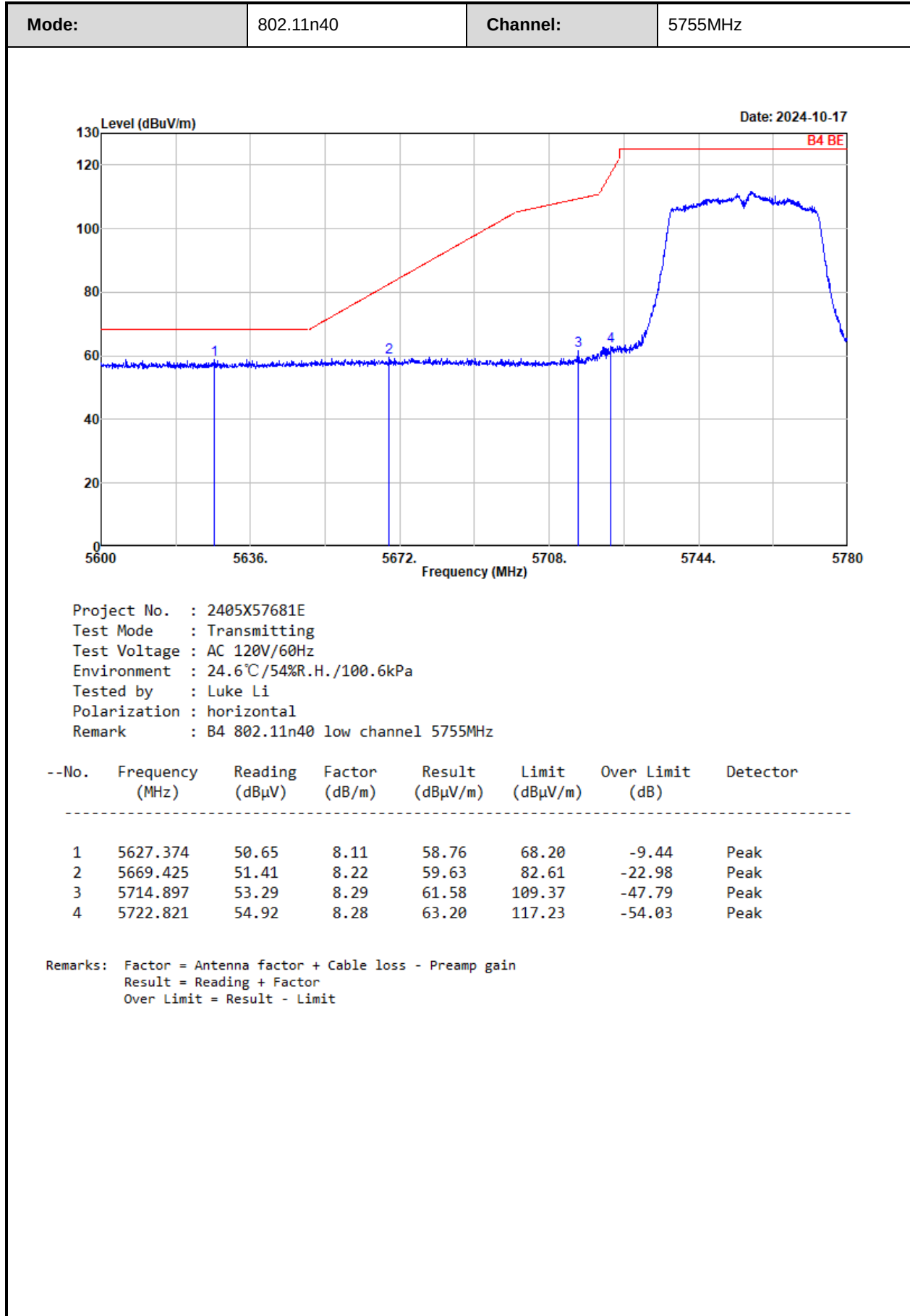
Margin= Corrected Amplitude-Limit

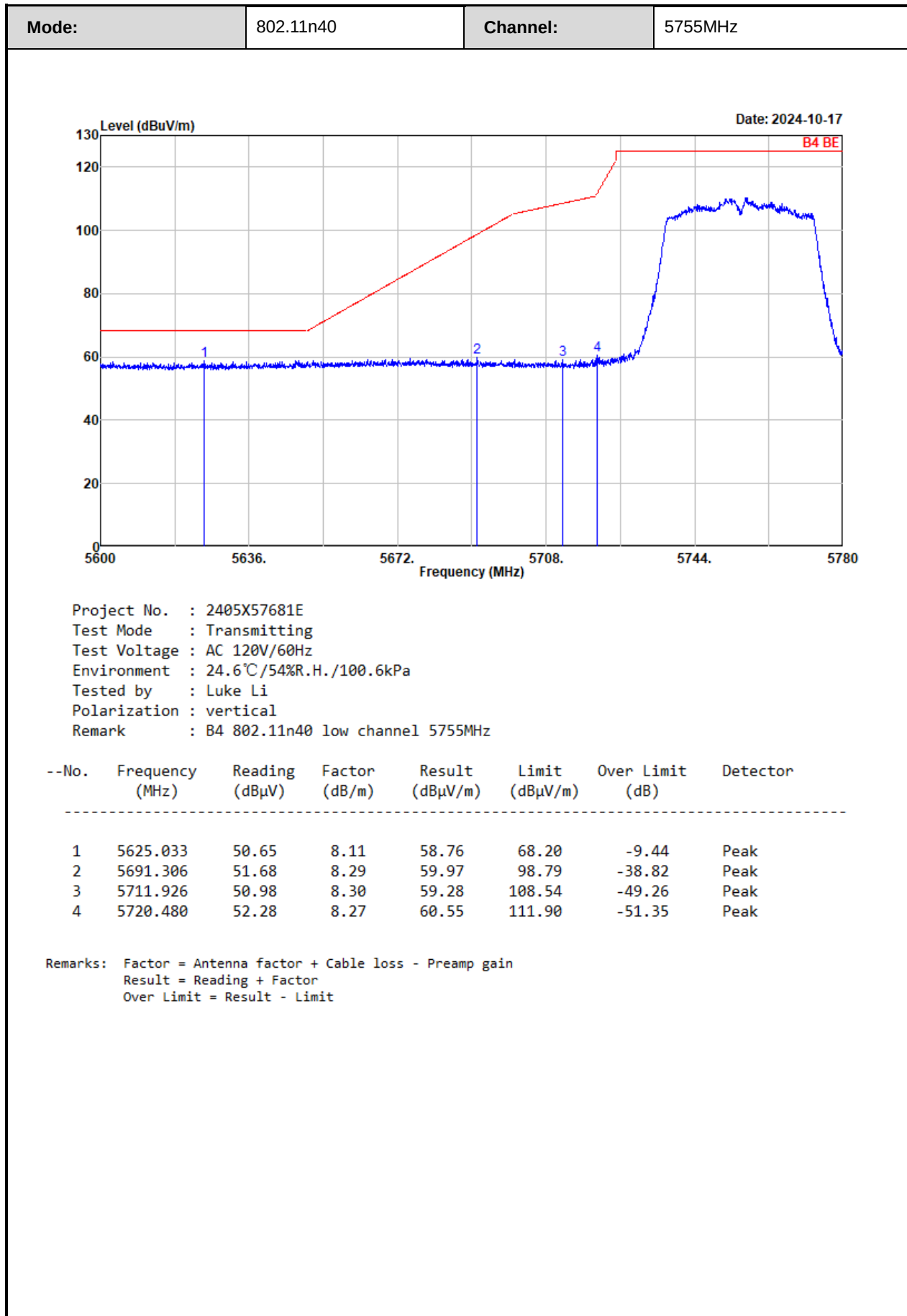
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

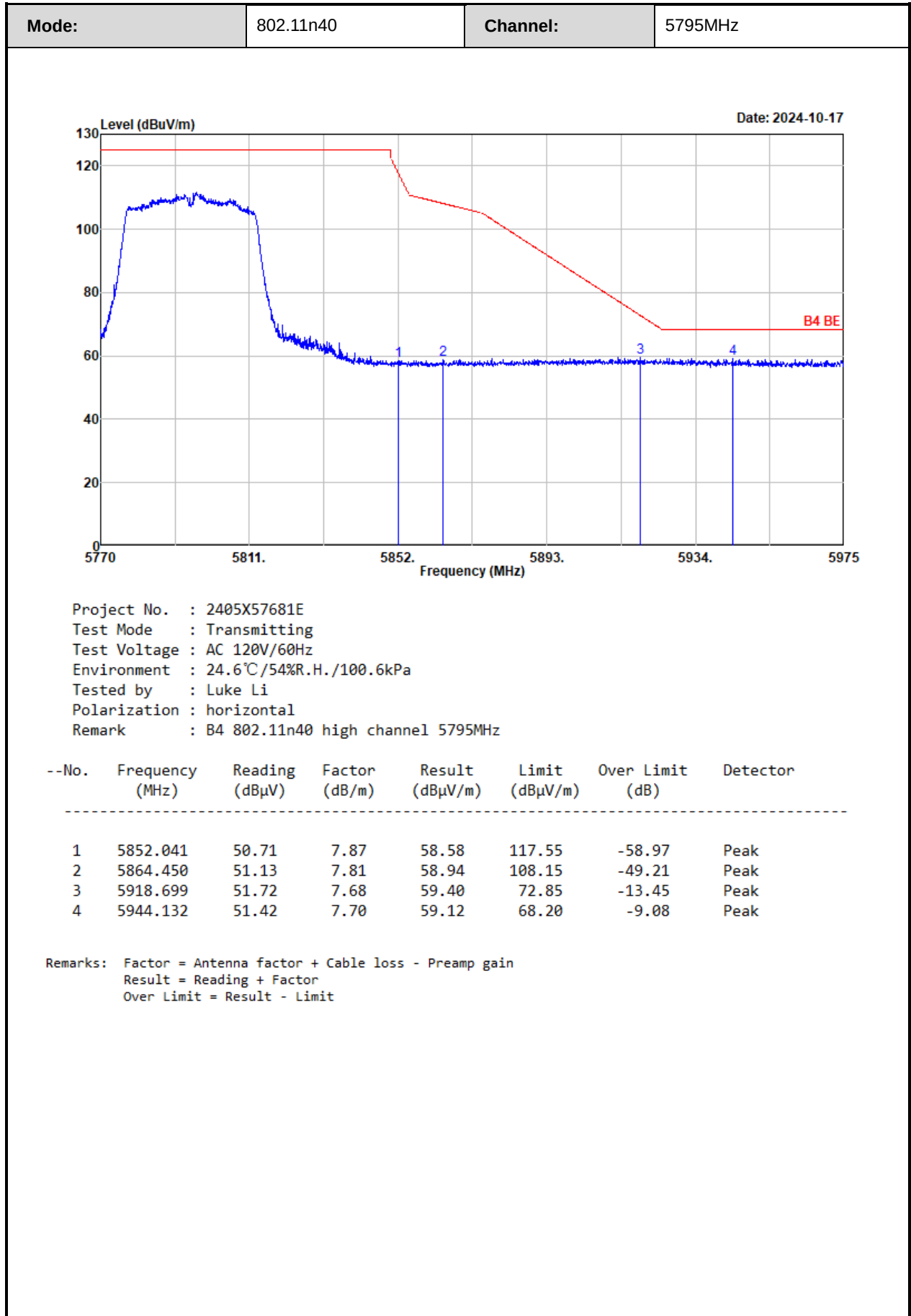
The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

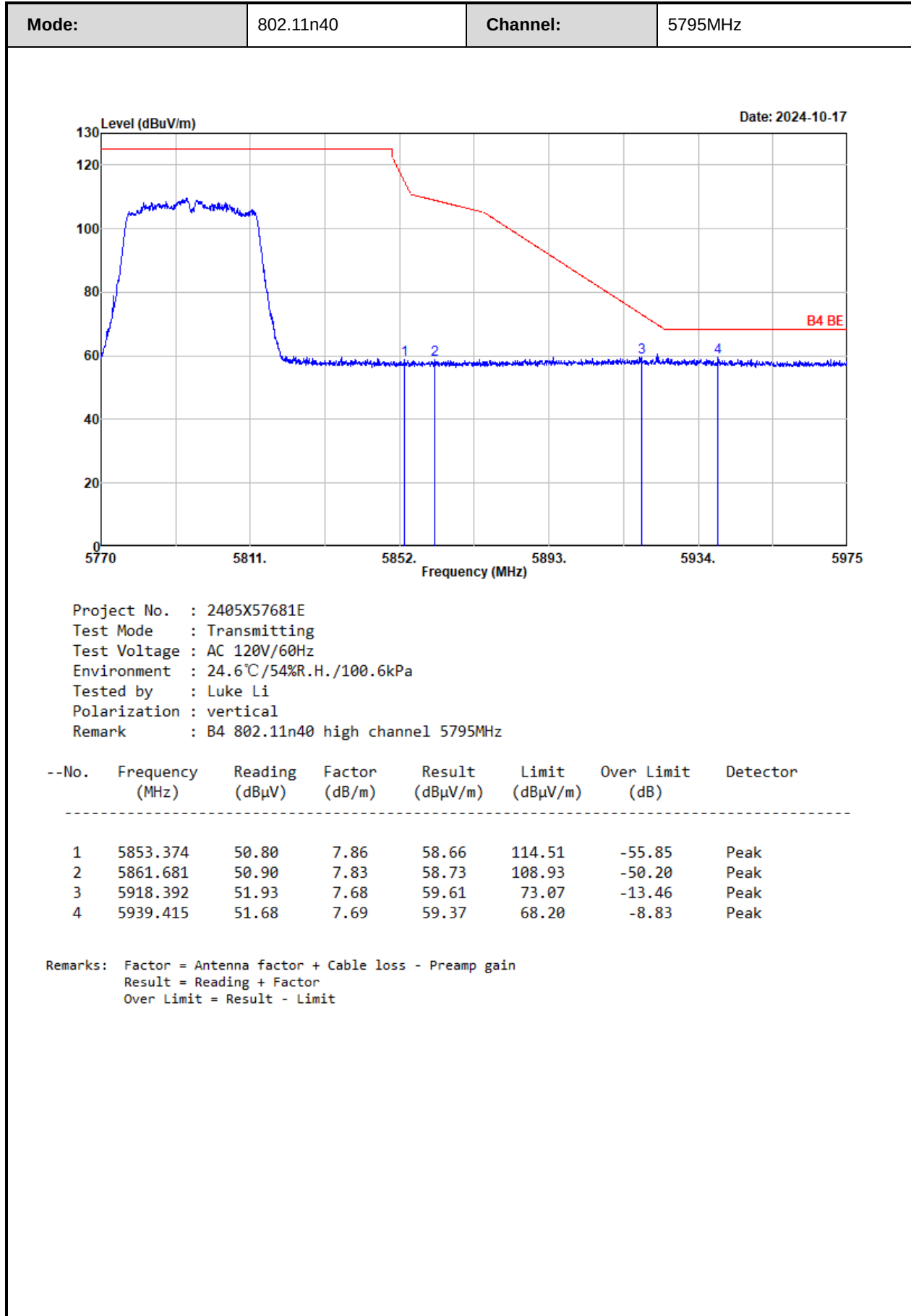
For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

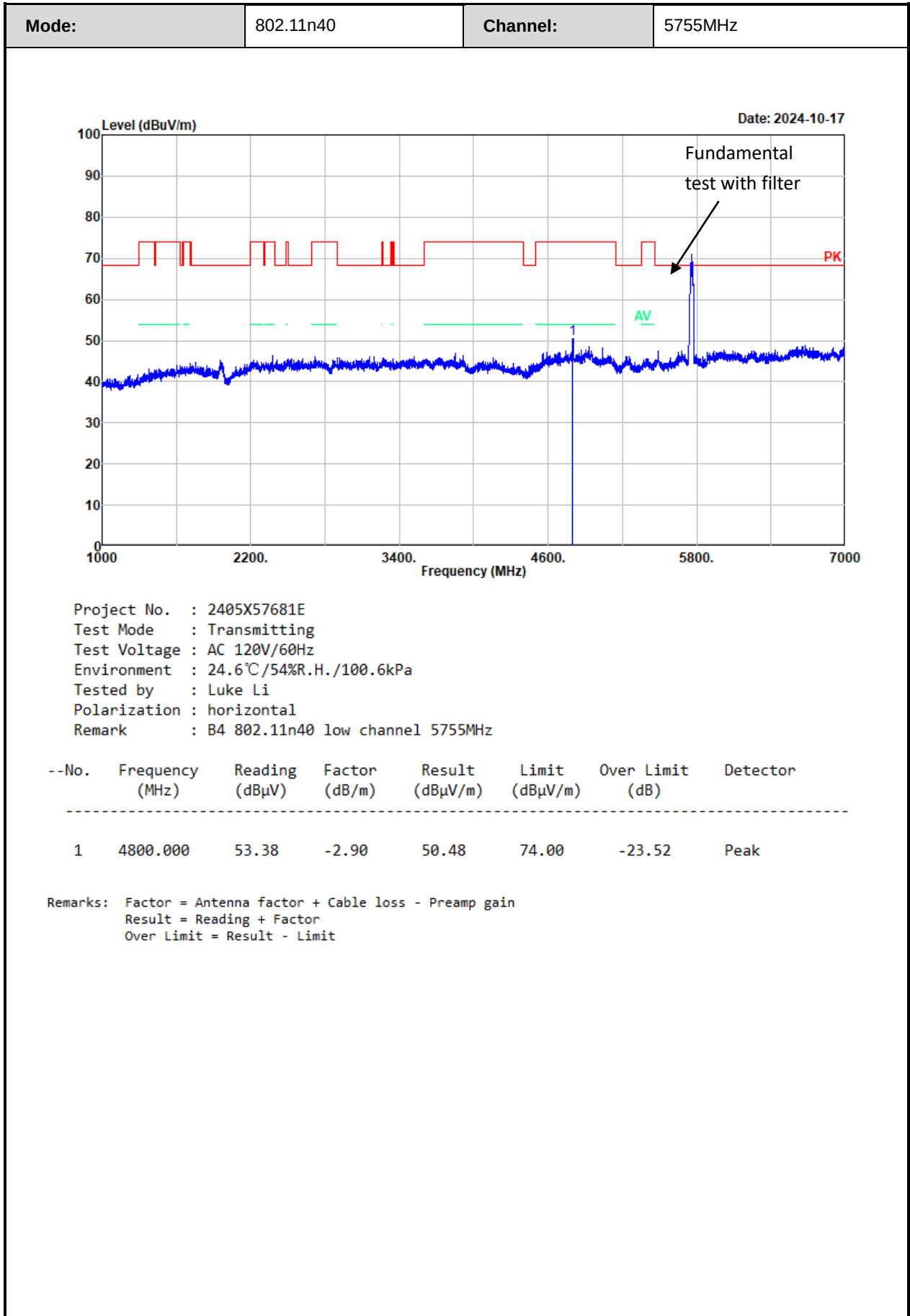
Test plot for example as below:

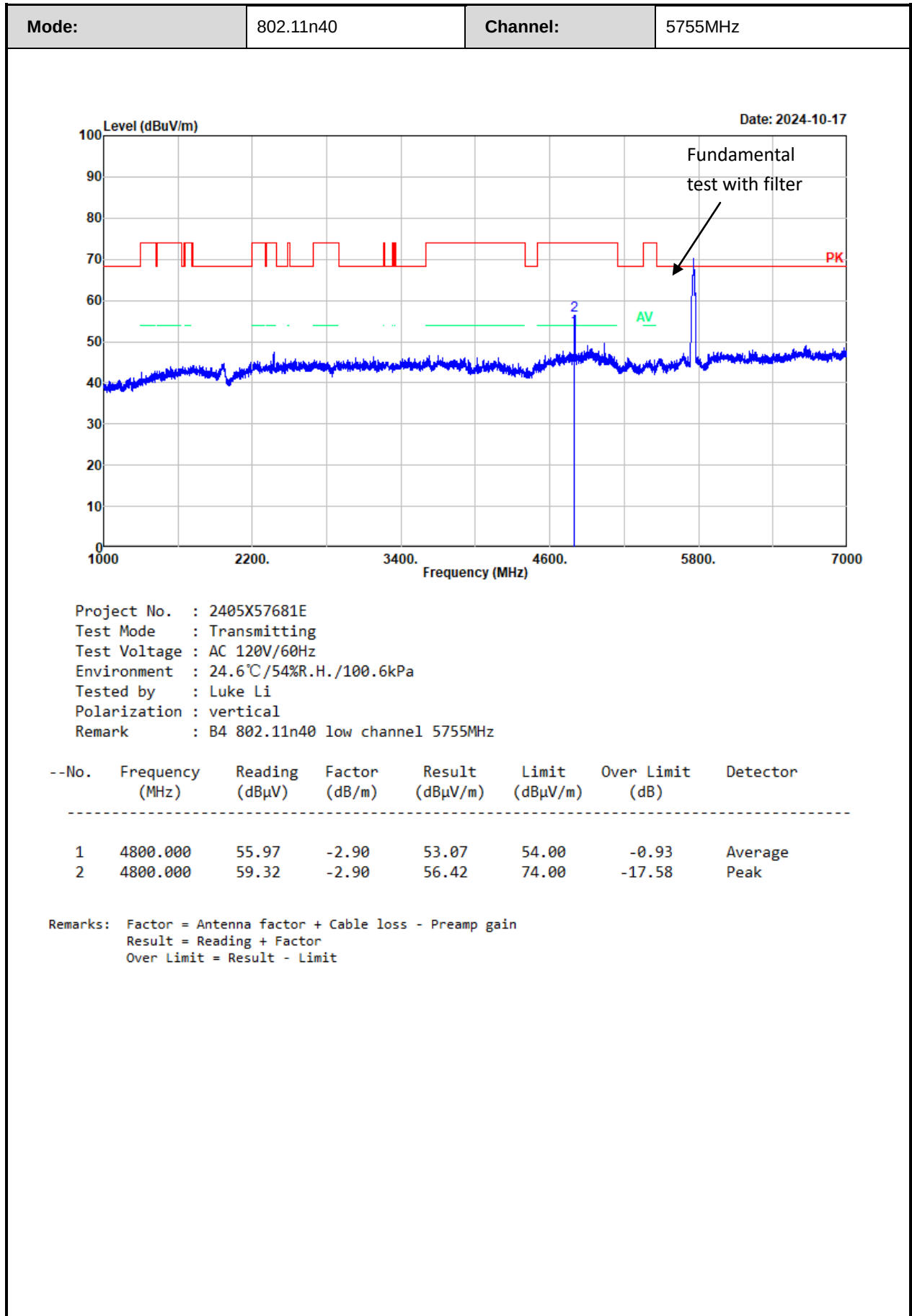


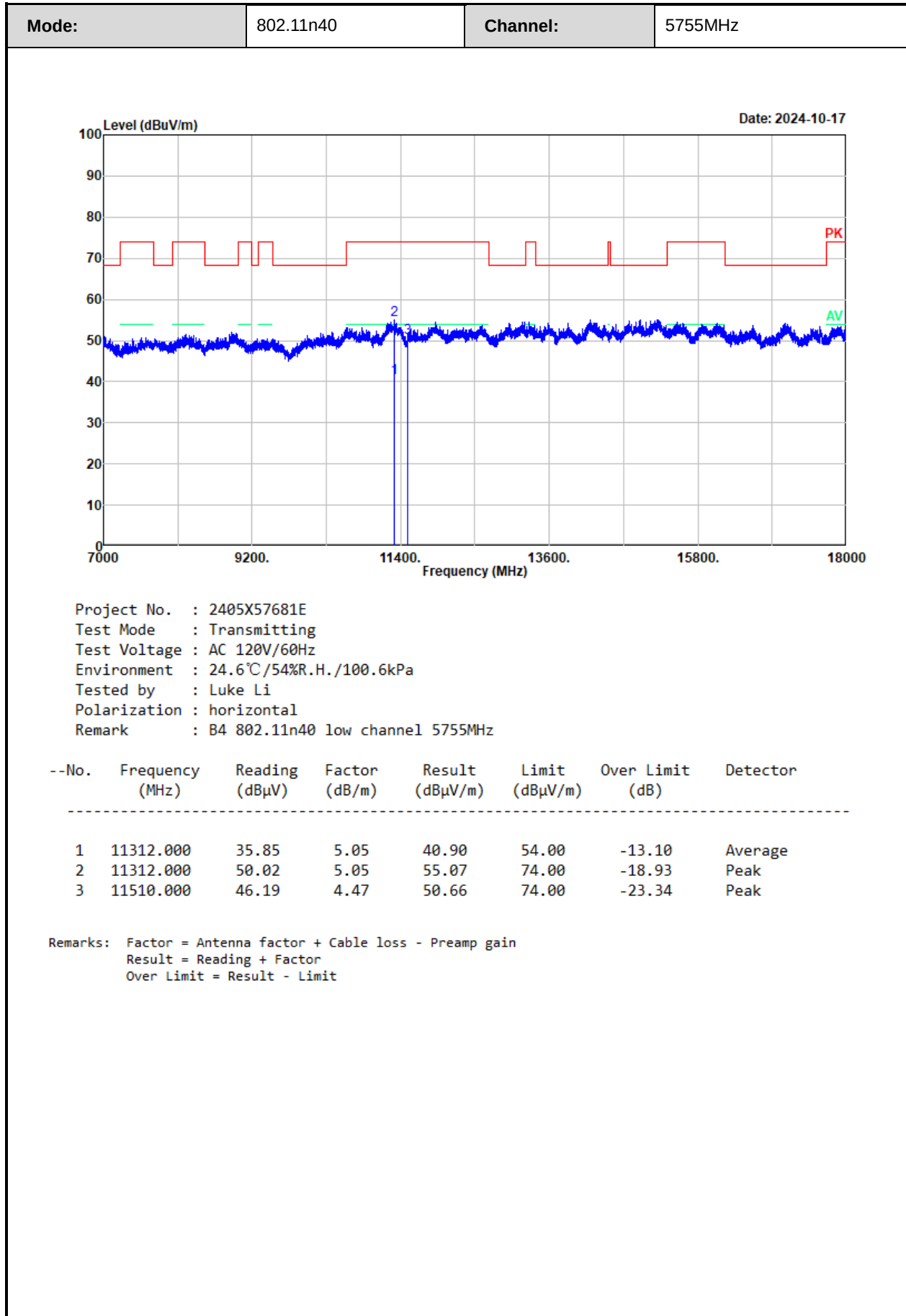


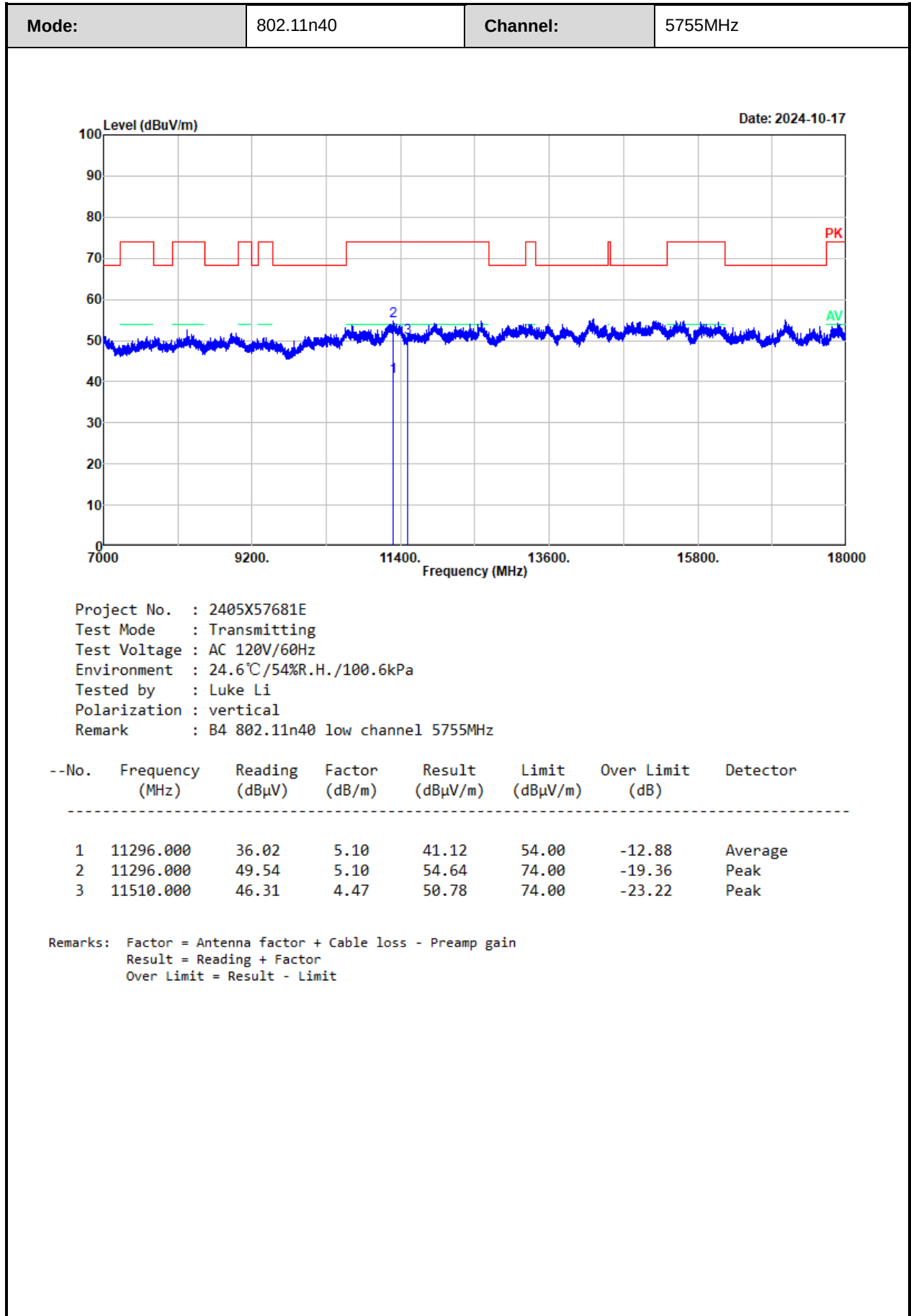












3.5 RF Conducted Test Data

Test Date:	2024-10-18~2024-11-01	Test By:	Ryan Zhang
Environment condition:	Temperature: 24.8~25.6°C; Relative Humidity: 44~48%; ATM Pressure: 99.7~100.5kPa		

3.5.1 Emission Bandwidth

5150-5250MHz

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	chain 0	5180	18.869
	chain 1	5180	18.669
	chain 0	5200	19.369
	chain 1	5200	19.620
	chain 0	5240	19.169
	chain 1	5240	18.769
802.11n20	chain 0	5180	20.745
	chain 1	5180	20.842
	chain 0	5200	20.540
	chain 1	5200	20.793
	chain 0	5240	20.746
	chain 1	5240	20.341
802.11n40	chain 0	5190	39.439
	chain 1	5190	40.240
	chain 0	5230	39.740
	chain 1	5230	40.340
802.11ac80	chain 0	5210	81.481
	chain 1	5210	81.481
802.11ax20	chain 0	5180	21.236
	chain 1	5180	20.666
	chain 0	5200	20.996
	chain 1	5200	21.204

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
	chain 0	5240	21.239
	chain 1	5240	20.790
802.11ax40	chain 0	5190	40.340
	chain 1	5190	40.541
	chain 0	5230	40.340
	chain 1	5230	40.340
802.11ax80	chain 0	5210	82.082
	chain 1	5210	81.682

5250-5350MHz

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	chain 0	5260	18.969
	chain 1	5260	19.670
	chain 0	5280	19.469
	chain 1	5280	19.670
	chain 0	5320	18.919
	chain 1	5320	19.720
802.11n20	chain 0	5260	20.847
	chain 1	5260	19.970
	chain 0	5280	20.392
	chain 1	5280	21.192
	chain 0	5320	20.594
	chain 1	5320	20.645
802.11n40	chain 0	5270	39.740
	chain 1	5270	39.840
	chain 0	5310	40.040
	chain 1	5310	40.240
802.11ac80	chain 0	5290	81.481

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
	chain 1	5290	81.882
802.11ac160	chain 0	5250	164.565
	chain 1	5250	163.764
802.11ax20	chain 0	5260	20.950
	chain 1	5260	20.899
	chain 0	5280	21.301
	chain 1	5280	20.987
	chain 0	5320	21.047
	chain 1	5320	21.099
802.11ax40	chain 0	5270	40.741
	chain 1	5270	40.741
	chain 0	5310	40.140
	chain 1	5310	40.641
802.11ax80	chain 0	5290	81.882
	chain 1	5290	82.282
802.11ax160	chain 0	5250	164.965
	chain 1	5250	166.567

5470-5725MHz

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	chain 0	5500	18.969
	chain 1	5500	18.519
	chain 0	5580	18.869
	chain 1	5580	18.819
	chain 0	5700	19.219
	chain 1	5700	19.469
	chain 0	5720	18.919
	chain 1	5720	19.520

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
802.11n20	chain 0	5500	20.487
	chain 1	5500	20.645
	chain 0	5580	20.645
	chain 1	5580	19.820
	chain 0	5700	20.341
	chain 1	5700	21.001
	chain 0	5720	20.645
	chain 1	5720	20.691
802.11n40	chain 0	5510	39.540
	chain 1	5510	40.140
	chain 0	5550	40.140
	chain 1	5550	40.040
	chain 0	5670	39.540
	chain 1	5670	39.940
	chain 0	5710	39.840
	chain 1	5710	39.840
802.11ac80	chain 0	5530	81.882
	chain 1	5530	81.481
	chain 0	5610	81.081
	chain 1	5610	81.481
	chain 0	5690	81.481
	chain 1	5690	81.682
802.11ac160	chain 0	5570	162.963
	chain 1	5570	164.565
802.11ax20	chain 0	5500	20.850
	chain 1	5500	20.937
	chain 0	5580	20.892
	chain 1	5580	20.998
	chain 0	5700	21.158

Mode	Test Antenna	Test Frequency (MHz)	26dB Bandwidth (MHz)
	chain 1	5700	21.209
	chain 0	5720	20.996
	chain 1	5720	21.105
802.11ax40	chain 0	5510	40.240
	chain 1	5510	40.541
	chain 0	5550	40.741
	chain 1	5550	40.541
	chain 0	5670	40.340
	chain 1	5670	40.841
	chain 0	5710	40.340
	chain 1	5710	40.340
802.11ax80	chain 0	5530	81.682
	chain 1	5530	81.682
	chain 0	5610	81.481
	chain 1	5610	81.882
	chain 0	5690	81.481
	chain 1	5690	81.882
802.11ax160	chain 0	5570	164.565
	chain 1	5570	164.164

5725-5850MHz

Mode	Test Antenna	Test Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
802.11a	chain 0	5745	15.165	0.5	Pass
	chain 1	5745	15.115	0.5	Pass
	chain 0	5785	15.215	0.5	Pass
	chain 1	5785	15.215	0.5	Pass
	chain 0	5825	15.215	0.5	Pass
	chain 1	5825	15.215	0.5	Pass

Mode	Test Antenna	Test Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
802.11n20	chain 0	5745	15.215	0.5	Pass
	chain 1	5745	13.864	0.5	Pass
	chain 0	5785	15.816	0.5	Pass
	chain 1	5785	13.914	0.5	Pass
	chain 0	5825	15.215	0.5	Pass
	chain 1	5825	15.415	0.5	Pass
802.11n40	chain 0	5755	35.235	0.5	Pass
	chain 1	5755	34.234	0.5	Pass
	chain 0	5795	35.235	0.5	Pass
	chain 1	5795	32.833	0.5	Pass
802.11ac80	chain 0	5775	73.073	0.5	Pass
	chain 1	5775	68.068	0.5	Pass
802.11ax20	chain 0	5745	14.364	0.5	Pass
	chain 1	5745	15.115	0.5	Pass
	chain 0	5785	14.214	0.5	Pass
	chain 1	5785	17.467	0.5	Pass
	chain 0	5825	18.068	0.5	Pass
	chain 1	5825	14.414	0.5	Pass
802.11ax40	chain 0	5755	36.737	0.5	Pass
	chain 1	5755	34.234	0.5	Pass
	chain 0	5795	35.235	0.5	Pass
	chain 1	5795	34.234	0.5	Pass
802.11ax80	chain 0	5775	65.465	0.5	Pass
	chain 1	5775	71.672	0.5	Pass

6dB Bandwidth of Straddle channels fall within 5725-5850MHz:

Mode	Test Antenna	Test Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
802.11a	chain 0	5720	2.525	0.5	Pass
	chain 1	5720	2.525	0.5	Pass
802.11n20	chain 0	5720	2.525	0.5	Pass
	chain 1	5720	2.525	0.5	Pass
802.11n40	chain 0	5710	2.580	0.5	Pass
	chain 1	5710	2.530	0.5	Pass
802.11ac80	chain 0	5690	2.510	0.5	Pass
	chain 1	5690	2.510	0.5	Pass
802.11ax20	chain 0	5720	2.525	0.5	Pass
	chain 1	5720	2.583	0.5	Pass
802.11ax40	chain 0	5710	2.580	0.5	Pass
	chain 1	5710	2.580	0.5	Pass
802.11ax80	chain 0	5690	2.280	0.5	Pass
	chain 1	5690	2.251	0.5	Pass

3.5.2 99% Occupied Bandwidth

5150-5250MHz

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	chain 0	5180	16.300
	chain 1	5180	16.250
	chain 0	5200	16.250
	chain 1	5200	16.250
	chain 0	5240	16.300
	chain 1	5240	16.250
802.11n20	chain 0	5180	17.550
	chain 1	5180	17.500
	chain 0	5200	17.550
	chain 1	5200	17.450
	chain 0	5240	17.550
	chain 1	5240	17.550
802.11n40	chain 0	5190	36
	chain 1	5190	36
	chain 0	5230	36
	chain 1	5230	36
802.11ac80	chain 0	5210	75.200
	chain 1	5210	75
802.11ax20	chain 0	5180	18.850
	chain 1	5180	18.900
	chain 0	5200	18.850
	chain 1	5200	18.850
	chain 0	5240	18.900
	chain 1	5240	18.850
802.11ax40	chain 0	5190	37.600
	chain 1	5190	37.700
	chain 0	5230	37.600

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
	chain 1	5230	37.700
802.11ax80	chain 0	5210	76.600
	chain 1	5210	76.800

Note:

The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5250-5350MHz

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	chain 0	5260	16.300
	chain 1	5260	16.250
	chain 0	5280	16.350
	chain 1	5280	16.250
	chain 0	5320	16.300
	chain 1	5320	16.250
802.11n20	chain 0	5260	17.550
	chain 1	5260	17.550
	chain 0	5280	17.550
	chain 1	5280	17.550
	chain 0	5320	17.550
	chain 1	5320	17.550
802.11n40	chain 0	5270	36.100
	chain 1	5270	36.100
	chain 0	5310	36.100
	chain 1	5310	36.100
802.11ac80	chain 0	5290	75.200
	chain 1	5290	75.400
802.11ac160	chain 0	5250	152.800
	chain 1	5250	152.800
802.11ax20	chain 0	5260	18.900

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
	chain 1	5260	18.900
	chain 0	5280	18.900
	chain 1	5280	18.950
	chain 0	5320	18.850
	chain 1	5320	18.900
802.11ax40	chain 0	5270	37.700
	chain 1	5270	37.800
	chain 0	5310	37.700
	chain 1	5310	37.800
802.11ax80	chain 0	5290	77
	chain 1	5290	77.400
802.11ax160	chain 0	5250	156
	chain 1	5250	156.400

5470-5725MHz

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	chain 0	5500	16.300
	chain 1	5500	16.250
	chain 0	5580	16.300
	chain 1	5580	16.250
	chain 0	5700	16.300
	chain 1	5700	16.250
	chain 0	5720	16.350
	chain 1	5720	16.300
802.11n20	chain 0	5500	17.550
	chain 1	5500	17.500
	chain 0	5580	17.500
	chain 1	5580	17.450
	chain 0	5700	17.500

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
	chain 1	5700	17.500
	chain 0	5720	17.500
	chain 1	5720	17.500
802.11n40	chain 0	5510	35.900
	chain 1	5510	36
	chain 0	5550	36
	chain 1	5550	36
	chain 0	5670	36
	chain 1	5670	35.900
	chain 0	5710	36
	chain 1	5710	35.900
802.11ac80	chain 0	5530	75
	chain 1	5530	75.200
	chain 0	5610	74.800
	chain 1	5610	75
	chain 0	5690	75
	chain 1	5690	74.800
802.11ac160	chain 0	5570	152.800
	chain 1	5570	153.200
802.11ax20	chain 0	5500	18.850
	chain 1	5500	18.850
	chain 0	5580	18.850
	chain 1	5580	18.800
	chain 0	5700	18.850
	chain 1	5700	18.850
	chain 0	5720	18.850
	chain 1	5720	18.850
802.11ax40	chain 0	5510	37.700
	chain 1	5510	37.700

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
	chain 0	5550	37.700
	chain 1	5550	37.700
	chain 0	5670	37.700
	chain 1	5670	37.600
	chain 0	5710	37.600
	chain 1	5710	37.600
802.11ax80	chain 0	5530	75
	chain 1	5530	75.200
	chain 0	5610	75
	chain 1	5610	75
	chain 0	5690	75
	chain 1	5690	75
802.11ax160	chain 0	5570	154.800
	chain 1	5570	155.200

5725-5850MHz

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	chain 0	5745	16.300
	chain 1	5745	16.300
	chain 0	5785	16.300
	chain 1	5785	16.250
	chain 0	5825	16.250
	chain 1	5825	16.250
802.11n20	chain 0	5745	17.500
	chain 1	5745	17.500
	chain 0	5785	17.500
	chain 1	5785	17.500
	chain 0	5825	17.500
	chain 1	5825	17.450
802.11n40	chain 0	5755	36
	chain 1	5755	35.900
	chain 0	5795	35.900
	chain 1	5795	35.900
802.11ac80	chain 0	5775	75
	chain 1	5775	75
802.11ax20	chain 0	5745	18.850
	chain 1	5745	18.900
	chain 0	5785	18.850
	chain 1	5785	18.850
	chain 0	5825	18.850
	chain 1	5825	18.850
802.11ax40	chain 0	5755	37.500
	chain 1	5755	37.600
	chain 0	5795	37.500
	chain 1	5795	37.500

Mode	Test Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11ax80	chain 0	5775	76.600
	chain 1	5775	76.800

Note:

The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

3.5.3 Maximum conducted output power

5150-5250MHz

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	chain 0	5180	14.43	30	Pass
	chain 1	5180	12.79	30	Pass
	chain 0 + chain 1	5180	16.70	27.7	Pass
	chain 0	5200	14.41	30	Pass
	chain 1	5200	13.03	30	Pass
	chain 0 + chain 1	5200	16.78	27.7	Pass
	chain 0	5240	12.45	30	Pass
	chain 1	5240	11.01	30	Pass
	chain 0 + chain 1	5240	14.80	27.7	Pass
802.11n20	chain 0	5180	14.02	30	Pass
	chain 1	5180	12.89	30	Pass
	chain 0 + chain 1	5180	16.50	27.7	Pass
	chain 0	5200	14.16	30	Pass
	chain 1	5200	13.25	30	Pass
	chain 0 + chain 1	5200	16.74	27.7	Pass
	chain 0	5240	12.2	30	Pass
	chain 1	5240	11.3	30	Pass
	chain 0 + chain 1	5240	14.78	27.7	Pass
802.11n40	chain 0	5190	14.79	30	Pass
	chain 1	5190	13.82	30	Pass
	chain 0 + chain 1	5190	17.34	27.7	Pass
	chain 0	5230	12.7	30	Pass
	chain 1	5230	11.76	30	Pass
	chain 0 + chain 1	5230	15.27	27.7	Pass
802.11ac80	chain 0	5210	13.52	30	Pass
	chain 1	5210	12.52	30	Pass
	chain 0 + chain 1	5210	16.06	27.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11ax20	chain 0	5180	15.79	30	Pass
	chain 1	5180	15.07	30	Pass
	chain 0 + chain 1	5180	18.46	27.7	Pass
	chain 0	5200	16.0	30	Pass
	chain 1	5200	15.62	30	Pass
	chain 0 + chain 1	5200	18.82	27.7	Pass
	chain 0	5240	14.16	30	Pass
	chain 1	5240	13.71	30	Pass
	chain 0 + chain 1	5240	16.95	27.7	Pass
802.11ax40	chain 0	5190	15.96	30	Pass
	chain 1	5190	15.77	30	Pass
	chain 0 + chain 1	5190	18.88	27.7	Pass
	chain 0	5230	13.87	30	Pass
	chain 1	5230	13.69	30	Pass
	chain 0 + chain 1	5230	16.79	27.7	Pass
802.11ax80	chain 0	5210	15.23	30	Pass
	chain 1	5210	14.48	30	Pass
	chain 0 + chain 1	5210	17.88	27.7	Pass

Note: the device is an indoor AP.

5250-5350MHz

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	chain 0	5260	8.40	24	Pass
	chain 1	5260	6.76	24	Pass
	chain 0 + chain 1	5260	10.67	21.7	Pass
	chain 0	5280	6.82	24	Pass
	chain 1	5280	5.44	24	Pass
	chain 0 + chain 1	5280	9.19	21.7	Pass
	chain 0	5320	8.07	24	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 1	5320	6.58	24	Pass
	chain 0 + chain 1	5320	10.40	21.7	Pass
802.11n20	chain 0	5260	8.47	24	Pass
	chain 1	5260	6.90	24	Pass
	chain 0 + chain 1	5260	10.77	21.7	Pass
	chain 0	5280	6.43	24	Pass
	chain 1	5280	5.61	24	Pass
	chain 0 + chain 1	5280	9.05	21.7	Pass
	chain 0	5320	7.79	24	Pass
	chain 1	5320	6.63	24	Pass
	chain 0 + chain 1	5320	10.26	21.7	Pass
802.11n40	chain 0	5270	8.58	24	Pass
	chain 1	5270	7.60	24	Pass
	chain 0 + chain 1	5270	11.13	21.7	Pass
	chain 0	5310	8.94	24	Pass
	chain 1	5310	8.26	24	Pass
	chain 0 + chain 1	5310	11.62	21.7	Pass
802.11ac80	chain 0	5290	7.8	24	Pass
	chain 1	5290	6.34	24	Pass
	chain 0 + chain 1	5290	10.14	21.7	Pass
802.11ac160	chain 0	5250	8.65	24	Pass
	chain 1	5250	7.53	24	Pass
	chain 0 + chain 1	5250	11.14	21.7	Pass
802.11ax20	chain 0	5260	7.58	24	Pass
	chain 1	5260	7.23	24	Pass
	chain 0 + chain 1	5260	10.42	21.7	Pass
	chain 0	5280	6.32	24	Pass
	chain 1	5280	6.09	24	Pass
	chain 0 + chain 1	5280	9.22	21.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 0	5320	7.47	24	Pass
	chain 1	5320	7.1	24	Pass
	chain 0 + chain 1	5320	10.30	21.7	Pass
802.11ax40	chain 0	5270	8.32	24	Pass
	chain 1	5270	7.74	24	Pass
	chain 0 + chain 1	5270	11.05	21.7	Pass
	chain 0	5310	8.83	24	Pass
	chain 1	5310	8.05	24	Pass
	chain 0 + chain 1	5310	11.47	21.7	Pass
802.11ax80	chain 0	5290	8.39	24	Pass
	chain 1	5290	7.49	24	Pass
	chain 0 + chain 1	5290	10.97	21.7	Pass
802.11ax160	chain 0	5250	8.25	24	Pass
	chain 1	5250	8.1	24	Pass
	chain 0 + chain 1	5250	11.19	21.7	Pass

5470-5725MHz

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	chain 0	5500	13.59	24	Pass
	chain 1	5500	12.28	24	Pass
	chain 0 + chain 1	5500	15.99	21.7	Pass
	chain 0	5580	12.69	24	Pass
	chain 1	5580	11.75	24	Pass
	chain 0 + chain 1	5580	15.26	21.7	Pass
	chain 0	5700	13.19	24	Pass
	chain 1	5700	13.38	24	Pass
	chain 0 + chain 1	5700	16.30	21.7	Pass
	chain 0	5720	12.47	24	Pass
	chain 1	5720	12.44	24	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 0 + chain 1	5720	15.47	21.7	Pass
802.11n20	chain 0	5500	13.53	24	Pass
	chain 1	5500	12.41	24	Pass
	chain 0 + chain 1	5500	16.02	21.7	Pass
	chain 0	5580	12.89	24	Pass
	chain 1	5580	12.15	24	Pass
	chain 0 + chain 1	5580	15.55	21.7	Pass
	chain 0	5700	13.09	24	Pass
	chain 1	5700	13.62	24	Pass
	chain 0 + chain 1	5700	16.37	21.7	Pass
	chain 0	5720	12.19	24	Pass
	chain 1	5720	12.71	24	Pass
	chain 0 + chain 1	5720	15.47	21.7	Pass
802.11n40	chain 0	5510	14.47	24	Pass
	chain 1	5510	13.23	24	Pass
	chain 0 + chain 1	5510	16.90	21.7	Pass
	chain 0	5550	14.9	24	Pass
	chain 1	5550	13.23	24	Pass
	chain 0 + chain 1	5550	17.16	21.7	Pass
	chain 0	5670	13.43	24	Pass
	chain 1	5670	13.23	24	Pass
	chain 0 + chain 1	5670	16.34	21.7	Pass
	chain 0	5710	13.72	24	Pass
	chain 1	5710	14.11	24	Pass
	chain 0 + chain 1	5710	16.93	21.7	Pass
802.11ac80	chain 0	5530	14.45	24	Pass
	chain 1	5530	13.22	24	Pass
	chain 0 + chain 1	5530	16.89	21.7	Pass
	chain 0	5610	13.24	24	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 1	5610	12.59	24	Pass
	chain 0 + chain 1	5610	15.94	21.7	Pass
	chain 0	5690	13.06	24	Pass
	chain 1	5690	13.74	24	Pass
	chain 0 + chain 1	5690	16.42	21.7	Pass
802.11ac160	chain 0	5570	14.9	24	Pass
	chain 1	5570	13.72	24	Pass
	chain 0 + chain 1	5570	17.36	21.7	Pass
802.11ax20	chain 0	5500	14.58	24	Pass
	chain 1	5500	13.58	24	Pass
	chain 0 + chain 1	5500	17.12	21.7	Pass
	chain 0	5580	13.53	24	Pass
	chain 1	5580	13.6	24	Pass
	chain 0 + chain 1	5580	16.58	21.7	Pass
	chain 0	5700	14.12	24	Pass
	chain 1	5700	15.03	24	Pass
	chain 0 + chain 1	5700	17.61	21.7	Pass
	chain 0	5720	13.52	24	Pass
	chain 1	5720	14.26	24	Pass
	chain 0 + chain 1	5720	16.92	21.7	Pass
802.11ax40	chain 0	5510	12.88	24	Pass
	chain 1	5510	12.46	24	Pass
	chain 0 + chain 1	5510	15.69	21.7	Pass
	chain 0	5550	13.63	24	Pass
	chain 1	5550	12.67	24	Pass
	chain 0 + chain 1	5550	16.19	21.7	Pass
	chain 0	5670	11.96	24	Pass
	chain 1	5670	13.37	24	Pass
	chain 0 + chain 1	5670	15.73	21.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 0	5710	12.91	24	Pass
	chain 1	5710	14.08	24	Pass
	chain 0 + chain 1	5710	16.54	21.7	Pass
802.11ax80	chain 0	5530	11.84	24	Pass
	chain 1	5530	10.41	24	Pass
	chain 0 + chain 1	5530	14.19	21.7	Pass
	chain 0	5610	11.73	24	Pass
	chain 1	5610	11.75	24	Pass
	chain 0 + chain 1	5610	14.75	21.7	Pass
	chain 0	5690	11.52	24	Pass
	chain 1	5690	11.89	24	Pass
	chain 0 + chain 1	5690	14.72	21.7	Pass
802.11ax160	chain 0	5570	13.85	24	Pass
	chain 1	5570	13.34	24	Pass
	chain 0 + chain 1	5570	16.61	21.7	Pass

5725-5850MHz

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	chain 0	5745	21.48	30	Pass
	chain 1	5745	21.19	30	Pass
	chain 0 + chain 1	5745	24.35	27.7	Pass
	chain 0	5785	21.34	30	Pass
	chain 1	5785	20.93	30	Pass
	chain 0 + chain 1	5785	24.15	27.7	Pass
	chain 0	5825	21.44	30	Pass
	chain 1	5825	20.7	30	Pass
	chain 0 + chain 1	5825	24.10	27.7	Pass
802.11n20	chain 0	5745	21.34	30	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 1	5745	21.32	30	Pass
	chain 0 + chain 1	5745	24.34	27.7	Pass
	chain 0	5785	21.14	30	Pass
	chain 1	5785	21.12	30	Pass
	chain 0 + chain 1	5785	24.14	27.7	Pass
	chain 0	5825	21.18	30	Pass
	chain 1	5825	20.86	30	Pass
	chain 0 + chain 1	5825	24.03	27.7	Pass
802.11n40	chain 0	5755	21.17	30	Pass
	chain 1	5755	21.2	30	Pass
	chain 0 + chain 1	5755	24.20	27.7	Pass
	chain 0	5795	20.76	30	Pass
	chain 1	5795	20.68	30	Pass
	chain 0 + chain 1	5795	23.73	27.7	Pass
802.11ac80	chain 0	5775	21.84	30	Pass
	chain 1	5775	21.89	30	Pass
	chain 0 + chain 1	5775	24.88	27.7	Pass
802.11ax20	chain 0	5745	22.42	30	Pass
	chain 1	5745	22.89	30	Pass
	chain 0 + chain 1	5745	25.67	27.7	Pass
	chain 0	5785	22.34	30	Pass
	chain 1	5785	22.51	30	Pass
	chain 0 + chain 1	5785	25.44	27.7	Pass
	chain 0	5825	22.48	30	Pass
	chain 1	5825	22.42	30	Pass
	chain 0 + chain 1	5825	25.46	27.7	Pass
802.11ax40	chain 0	5755	22.67	30	Pass
	chain 1	5755	23.19	30	Pass
	chain 0 + chain 1	5755	25.95	27.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
	chain 0	5795	22.26	30	Pass
	chain 1	5795	22.56	30	Pass
	chain 0 + chain 1	5795	25.42	27.7	Pass
802.11ax80	chain 0	5775	23.44	30	Pass
	chain 1	5775	24.03	30	Pass
	chain 0 + chain 1	5775	26.76	27.7	Pass

Note 1: As the duty cycle of EUT is not constant, Method SA-3 was use for the measurement

Note 2:

The device employ Beam-forming for MIMO mode, according to KDB 662911 D01 Multiple Transmitter Output v02r01, Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$

$G_{ANT0}=5.0dBi$, $G_{ANT1}=5.3dBi$, use the high antenna gain for calculate

Directional gain= $5.3+10\log2=8.3dBi>6dBi$

so the limit need reduce 2.3dB for MIMO mode.

3.5.4 Power Spectral Density

5150-5250MHz

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	chain 0	5180	5.23	14.7	Pass
	chain 1	5180	3.54	14.7	Pass
	chain 0 + chain 1	5180	7.48	14.7	Pass
	chain 0	5200	4.95	14.7	Pass
	chain 1	5200	3.88	14.7	Pass
	chain 0 + chain 1	5200	7.46	14.7	Pass
	chain 0	5240	3.20	14.7	Pass
	chain 1	5240	1.94	14.7	Pass
	chain 0 + chain 1	5240	5.63	14.7	Pass
802.11n20	chain 0	5180	5.09	14.7	Pass
	chain 1	5180	3.73	14.7	Pass
	chain 0 + chain 1	5180	7.47	14.7	Pass
	chain 0	5200	4.84	14.7	Pass
	chain 1	5200	3.61	14.7	Pass
	chain 0 + chain 1	5200	7.28	14.7	Pass
	chain 0	5240	2.73	14.7	Pass
	chain 1	5240	2.02	14.7	Pass
	chain 0 + chain 1	5240	5.40	14.7	Pass
802.11n40	chain 0	5190	2.30	14.7	Pass
	chain 1	5190	1.75	14.7	Pass
	chain 0 + chain 1	5190	5.04	14.7	Pass
	chain 0	5230	-0.19	14.7	Pass
	chain 1	5230	-0.69	14.7	Pass
	chain 0 + chain 1	5230	2.58	14.7	Pass
802.11ac80	chain 0	5210	-1.11	14.7	Pass
	chain 1	5210	-2.72	14.7	Pass
	chain 0 + chain 1	5210	1.17	14.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11ax20	chain 0	5180	7.05	14.7	Pass
	chain 1	5180	6.37	14.7	Pass
	chain 0 + chain 1	5180	9.73	14.7	Pass
	chain 0	5200	6.73	14.7	Pass
	chain 1	5200	6.59	14.7	Pass
	chain 0 + chain 1	5200	9.67	14.7	Pass
	chain 0	5240	4.83	14.7	Pass
	chain 1	5240	4.53	14.7	Pass
	chain 0 + chain 1	5240	7.69	14.7	Pass
802.11ax40	chain 0	5190	3.84	14.7	Pass
	chain 1	5190	3.66	14.7	Pass
	chain 0 + chain 1	5190	6.76	14.7	Pass
	chain 0	5230	2.07	14.7	Pass
	chain 1	5230	1.89	14.7	Pass
	chain 0 + chain 1	5230	4.99	14.7	Pass
802.11ax80	chain 0	5210	0.93	14.7	Pass
	chain 1	5210	0.24	14.7	Pass
	chain 0 + chain 1	5210	3.61	14.7	Pass

5250-5350MHz

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	chain 0	5260	-1.05	8.7	Pass
	chain 1	5260	-2.39	8.7	Pass
	chain 0 + chain 1	5260	1.34	8.7	Pass
	chain 0	5280	-2.29	8.7	Pass
	chain 1	5280	-3.84	8.7	Pass
	chain 0 + chain 1	5280	0.01	8.7	Pass
	chain 0	5320	-1.05	8.7	Pass
	chain 1	5320	-2.00	8.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
	chain 0 + chain 1	5320	1.51	8.7	Pass
802.11n20	chain 0	5260	-0.46	8.7	Pass
	chain 1	5260	-2.03	8.7	Pass
	chain 0 + chain 1	5260	1.84	8.7	Pass
	chain 0	5280	-2.39	8.7	Pass
	chain 1	5280	-3.69	8.7	Pass
	chain 0 + chain 1	5280	0.02	8.7	Pass
	chain 0	5320	-1.60	8.7	Pass
	chain 1	5320	-2.27	8.7	Pass
	chain 0 + chain 1	5320	1.09	8.7	Pass
802.11n40	chain 0	5270	-3.95	8.7	Pass
	chain 1	5270	-4.75	8.7	Pass
	chain 0 + chain 1	5270	-1.32	8.7	Pass
	chain 0	5310	-3.61	8.7	Pass
	chain 1	5310	-4.54	8.7	Pass
	chain 0 + chain 1	5310	-1.04	8.7	Pass
802.11ac80	chain 0	5290	-7.76	8.7	Pass
	chain 1	5290	-8.83	8.7	Pass
	chain 0 + chain 1	5290	-5.25	8.7	Pass
802.11ac160	chain 0	5250	-9.10	8.7	Pass
	chain 1	5250	-10.22	8.7	Pass
	chain 0 + chain 1	5250	-6.61	8.7	Pass
802.11ax20	chain 0	5260	-1.32	8.7	Pass
	chain 1	5260	-1.31	8.7	Pass
	chain 0 + chain 1	5260	1.70	8.7	Pass
	chain 0	5280	-2.89	8.7	Pass
	chain 1	5280	-2.93	8.7	Pass
	chain 0 + chain 1	5280	0.10	8.7	Pass
	chain 0	5320	-1.92	8.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
	chain 1	5320	-1.75	8.7	Pass
	chain 0 + chain 1	5320	1.18	8.7	Pass
802.11ax40	chain 0	5270	-4.03	8.7	Pass
	chain 1	5270	-4.09	8.7	Pass
	chain 0 + chain 1	5270	-1.05	8.7	Pass
	chain 0	5310	-3.04	8.7	Pass
	chain 1	5310	-3.59	8.7	Pass
	chain 0 + chain 1	5310	-0.30	8.7	Pass
802.11ax80	chain 0	5290	-5.63	8.7	Pass
	chain 1	5290	-7.02	8.7	Pass
	chain 0 + chain 1	5290	-3.26	8.7	Pass
802.11ax160	chain 0	5250	-8.82	8.7	Pass
	chain 1	5250	-9.10	8.7	Pass
	chain 0 + chain 1	5250	-5.95	8.7	Pass

5470-5725MHz

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	chain 0	5500	4.71	8.7	Pass
	chain 1	5500	2.70	8.7	Pass
	chain 0 + chain 1	5500	6.83	8.7	Pass
	chain 0	5580	3.40	8.7	Pass
	chain 1	5580	2.58	8.7	Pass
	chain 0 + chain 1	5580	6.02	8.7	Pass
	chain 0	5700	4.00	8.7	Pass
	chain 1	5700	4.30	8.7	Pass
	chain 0 + chain 1	5700	7.16	8.7	Pass
	chain 0	5720	3.12	8.7	Pass
	chain 1	5720	3.00	8.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
	chain 0 + chain 1	5720	6.07	8.7	Pass
802.11n20	chain 0	5500	4.44	8.7	Pass
	chain 1	5500	3.37	8.7	Pass
	chain 0 + chain 1	5500	6.95	8.7	Pass
	chain 0	5580	3.78	8.7	Pass
	chain 1	5580	2.87	8.7	Pass
	chain 0 + chain 1	5580	6.36	8.7	Pass
	chain 0	5700	3.59	8.7	Pass
	chain 1	5700	3.79	8.7	Pass
	chain 0 + chain 1	5700	6.70	8.7	Pass
	chain 0	5720	2.96	8.7	Pass
	chain 1	5720	2.99	8.7	Pass
	chain 0 + chain 1	5720	5.99	8.7	Pass
802.11n40	chain 0	5510	2.01	8.7	Pass
	chain 1	5510	0.33	8.7	Pass
	chain 0 + chain 1	5510	4.26	8.7	Pass
	chain 0	5550	2.13	8.7	Pass
	chain 1	5550	1.06	8.7	Pass
	chain 0 + chain 1	5550	4.64	8.7	Pass
	chain 0	5670	0.64	8.7	Pass
	chain 1	5670	0.54	8.7	Pass
	chain 0 + chain 1	5670	3.60	8.7	Pass
	chain 0	5710	0.89	8.7	Pass
	chain 1	5710	1.74	8.7	Pass
	chain 0 + chain 1	5710	4.35	8.7	Pass
802.11ac80	chain 0	5530	-0.57	8.7	Pass
	chain 1	5530	-2.06	8.7	Pass
802.11ac80	chain 0 + chain 1	5530	1.76	8.7	Pass
	chain 0	5610	-1.68	8.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
	chain 1	5610	-2.33	8.7	Pass
	chain 0 + chain 1	5610	1.02	8.7	Pass
	chain 0	5690	-1.67	8.7	Pass
	chain 1	5690	-1.11	8.7	Pass
	chain 0 + chain 1	5690	1.63	8.7	Pass
802.11ac160	chain 0	5570	-2.18	8.7	Pass
	chain 1	5570	-3.83	8.7	Pass
	chain 0 + chain 1	5570	0.08	8.7	Pass
802.11ax20	chain 0	5500	5.46	8.7	Pass
	chain 1	5500	4.83	8.7	Pass
	chain 0 + chain 1	5500	8.17	8.7	Pass
	chain 0	5580	4.60	8.7	Pass
	chain 1	5580	4.61	8.7	Pass
	chain 0 + chain 1	5580	7.62	8.7	Pass
	chain 0	5700	4.97	8.7	Pass
	chain 1	5700	5.71	8.7	Pass
	chain 0 + chain 1	5700	8.37	8.7	Pass
	chain 0	5720	4.66	8.7	Pass
	chain 1	5720	4.97	8.7	Pass
	chain 0 + chain 1	5720	7.83	8.7	Pass
802.11ax40	chain 0	5510	0.84	8.7	Pass
	chain 1	5510	0.18	8.7	Pass
	chain 0 + chain 1	5510	3.53	8.7	Pass
	chain 0	5550	1.27	8.7	Pass
	chain 1	5550	0.25	8.7	Pass
	chain 0 + chain 1	5550	3.80	8.7	Pass
	chain 0	5670	0.24	8.7	Pass
	chain 1	5670	1.28	8.7	Pass
	chain 0 + chain 1	5670	3.80	8.7	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
	chain 0	5710	0.84	8.7	Pass
	chain 1	5710	2.44	8.7	Pass
	chain 0 + chain 1	5710	4.72	8.7	Pass
802.11ax80	chain 0	5530	-3.39	8.7	Pass
	chain 1	5530	-4.26	8.7	Pass
	chain 0 + chain 1	5530	-0.79	8.7	Pass
	chain 0	5610	-2.85	8.7	Pass
	chain 1	5610	-2.77	8.7	Pass
	chain 0 + chain 1	5610	0.20	8.7	Pass
	chain 0	5690	-3.80	8.7	Pass
	chain 1	5690	-3.01	8.7	Pass
	chain 0 + chain 1	5690	-0.38	8.7	Pass
802.11ax16 0	chain 0	5570	-3.18	8.7	Pass
	chain 1	5570	-4.17	8.7	Pass
	chain 0 + chain 1	5570	-0.64	8.7	Pass

5725-5850MHz

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	chain 0	5745	10.01	30	Pass
	chain 1	5745	9.77	30	Pass
	chain 0 + chain 1	5745	12.90	27.7	Pass
	chain 0	5785	10.29	30	Pass
	chain 1	5785	9.54	30	Pass
	chain 0 + chain 1	5785	12.94	27.7	Pass
	chain 0	5825	10.36	30	Pass
	chain 1	5825	9.75	30	Pass
	chain 0 + chain 1	5825	13.08	27.7	Pass
802.11n20	chain 0	5745	10.04	30	Pass
	chain 1	5745	9.45	30	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
	chain 0 + chain 1	5745	12.77	27.7	Pass
	chain 0	5785	10.00	30	Pass
	chain 1	5785	9.33	30	Pass
	chain 0 + chain 1	5785	12.69	27.7	Pass
	chain 0	5825	9.93	30	Pass
	chain 1	5825	9.53	30	Pass
	chain 0 + chain 1	5825	12.74	27.7	Pass
802.11n40	chain 0	5755	6.12	30	Pass
	chain 1	5755	6.04	30	Pass
	chain 0 + chain 1	5755	9.09	27.7	Pass
	chain 0	5795	6.13	30	Pass
	chain 1	5795	5.41	30	Pass
	chain 0 + chain 1	5795	8.8	27.7	Pass
802.11ac80	chain 0	5775	4.63	30	Pass
	chain 1	5775	4.82	30	Pass
	chain 0 + chain 1	5775	7.74	27.7	Pass
802.11ax20	chain 0	5745	10.25	30	Pass
	chain 1	5745	10.53	30	Pass
	chain 0 + chain 1	5745	13.4	27.7	Pass
	chain 0	5785	10.38	30	Pass
	chain 1	5785	9.81	30	Pass
	chain 0 + chain 1	5785	13.11	27.7	Pass
	chain 0	5825	10.84	30	Pass
	chain 1	5825	10.24	30	Pass
	chain 0 + chain 1	5825	13.56	27.7	Pass
802.11ax40	chain 0	5755	7.55	30	Pass
	chain 1	5755	8.21	30	Pass
	chain 0 + chain 1	5755	10.9	27.7	Pass
	chain 0	5795	7.38	30	Pass

Mode	Test Antenna	Test Frequency (MHz)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
	chain 1	5795	7.75	30	Pass
	chain 0 + chain 1	5795	10.58	27.7	Pass
802.11ax80	chain 0	5775	6.43	30	Pass
	chain 1	5775	6.37	30	Pass
	chain 0 + chain 1	5775	9.41	27.7	Pass

Note 1: As the duty cycle of EUT is not constant, Method SA-3 was use for the measurement

Note 2:

The device employ Beam-forming for MIMO mode, according to KDB 662911 D01 Multiple Transmitter Output v02r01, Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$

$G_{ANT0}=5.0dBi$, $G_{ANT1}=5.3dBi$, use the high antenna gain for calculate

Directional gain= $5.3+10\log2=8.3dBi>6dBi$

so the limit need reduce 2.3dB for MIMO mode.

3.5.5 Duty Cycle

5150-5250MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.976	NA	Not constant	NA	506	1
802.11n20	5200	5.424	NA	Not constant	NA	184	0.2
802.11n40	5190	5.400	NA	Not constant	NA	185	0.2
802.11ac80	5210	5.401	NA	Not constant	NA	185	0.2
802.11ax20	5200	5.436	NA	Not constant	NA	184	0.2
802.11ax40	5190	5.414	NA	Not constant	NA	185	0.2
802.11ax80	5210	5.406	NA	Not constant	NA	185	0.2

5250-5350MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5280	1.938	NA	Not constant	NA	516	1
802.11n20	5280	5.424	NA	Not constant	NA	184	0.2
802.11n40	5270	5.386	NA	Not constant	NA	186	0.2
802.11ac80	5290	5.358	NA	Not constant	NA	187	0.2
802.11ac160	5250	5.425	NA	Not constant	NA	184	0.2
802.11ax20	5280	5.433	NA	Not constant	NA	184	0.2

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11ax40	5270	5.385	NA	Not constant	NA	186	0.2
802.11ax80	5290	5.424	NA	Not constant	NA	184	0.2
802.11ax160	5250	5.382	NA	Not constant	NA	186	0.2

5470-5725MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5580	1.975	NA	Not constant	NA	506	1
802.11n20	5580	5.426	NA	Not constant	NA	184	0.2
802.11n40	5550	5.404	NA	Not constant	NA	185	0.2
802.11ac80	5530	5.404	NA	Not constant	NA	185	0.2
802.11ac160	5570	5.386	NA	Not constant	NA	186	0.2
802.11ax20	5580	5.087	NA	Not constant	NA	197	0.2
802.11ax40	5550	5.413	NA	Not constant	NA	185	0.2
802.11ax80	5530	5.385	NA	Not constant	NA	186	0.2
802.11ax160	5570	5.362	NA	Not constant	NA	186	0.2

5725-5850MHz

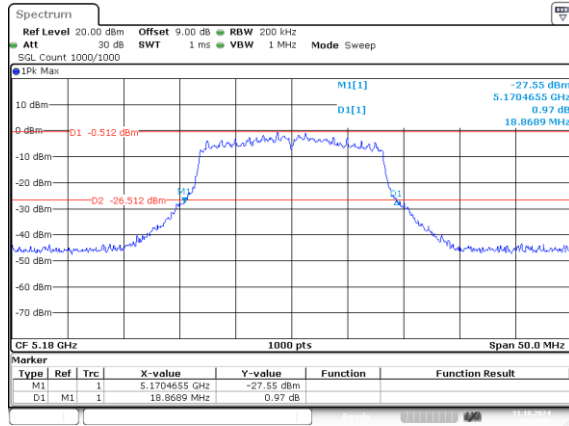
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5785	1.974	NA	Not constant	NA	507	1
802.11n20	5785	5.358	NA	Not constant	NA	187	0.2
802.11n40	5755	5.361	NA	Not constant	NA	187	0.2
802.11ac80	5775	5.391	NA	Not constant	NA	185	0.2
802.11ax20	5785	5.439	NA	Not constant	NA	184	0.2
802.11ax40	5755	5.415	NA	Not constant	NA	185	0.2
802.11ax80	5775	5.418	NA	Not constant	NA	185	0.2

Test Plots:

Emission Bandwidth

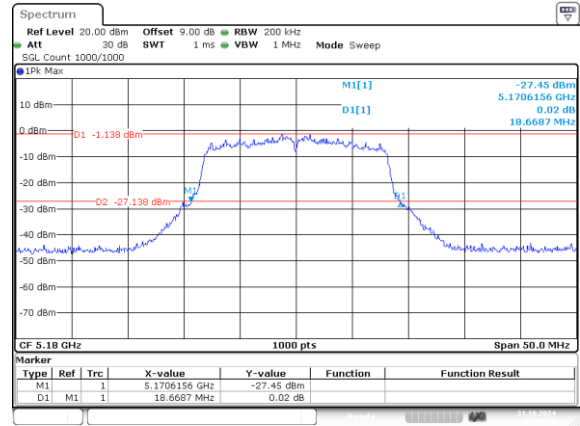
5150-5250MHz

802.11a_5180MHz_Chain 0 18.869MHz



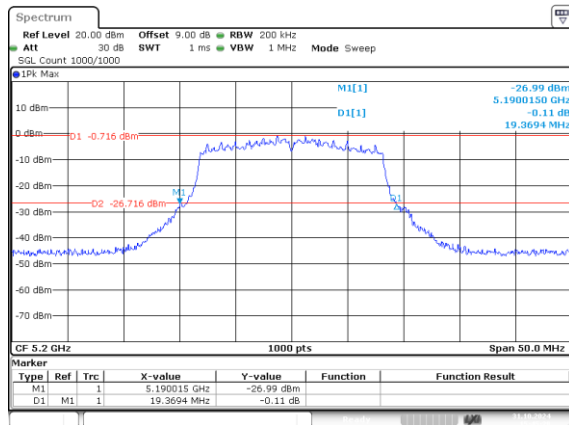
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Date: 31.OCT.2024 15:37:43

802.11a_5180MHz_Chain 1 18.669MHz



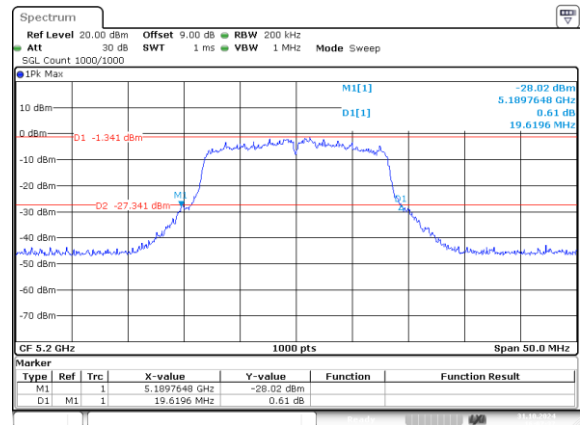
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Date: 31.OCT.2024 15:59:37

802.11a_5200MHz_Chain 0 19.369MHz



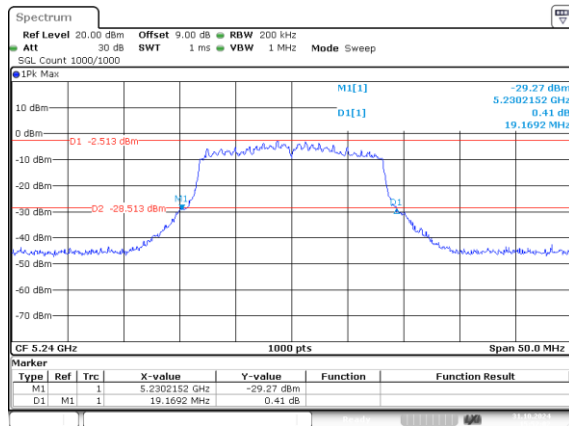
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Date: 31.OCT.2024 15:45:28

802.11a_5200MHz_Chain 1 19.620MHz



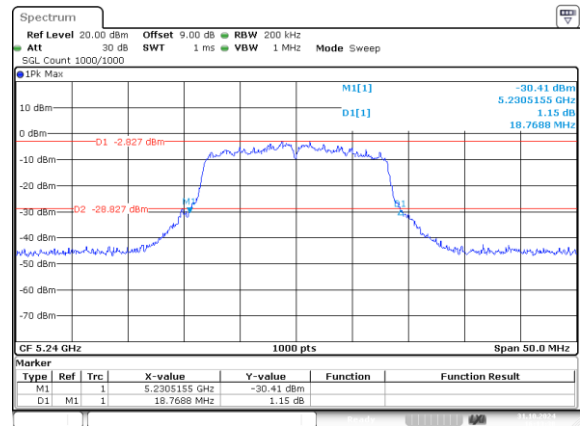
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Date: 31.OCT.2024 16:07:37

802.11a_5240MHz_Chain 0 19.169MHz



ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 31.OCT.2024 15:52:01

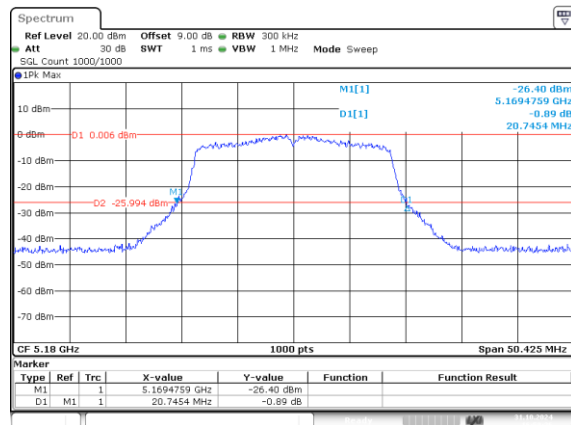
802.11a_5240MHz_Chain 1 18.769MHz



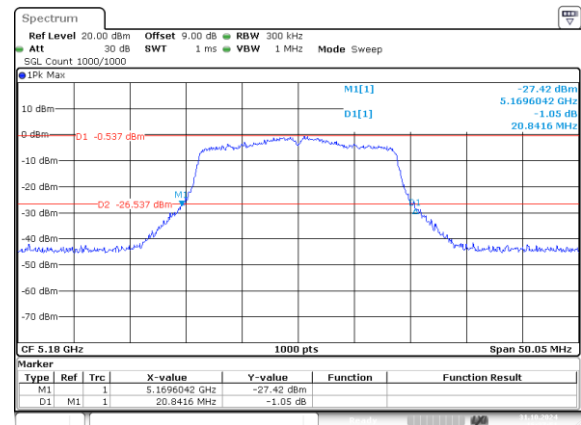
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802.11n20_5180MHz_Chain 0 20.745MHz

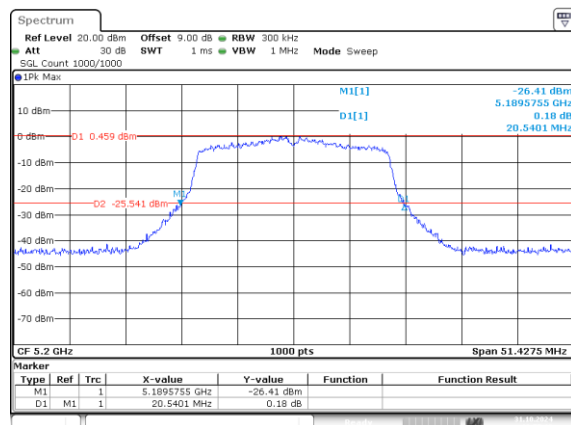
802.11n20_5180MHz_Chain 1 20.842MHz



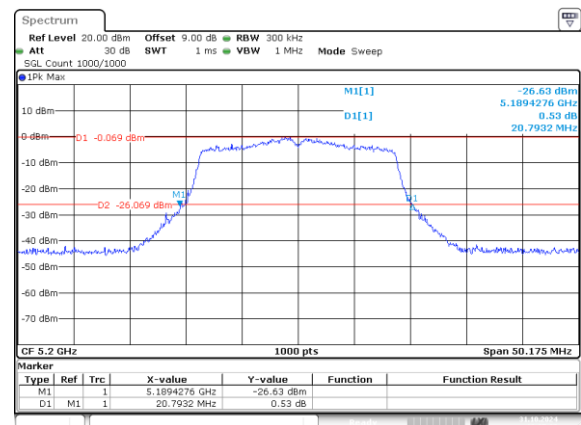
802.11n20_5200MHz_Chain 0 20.540MHz



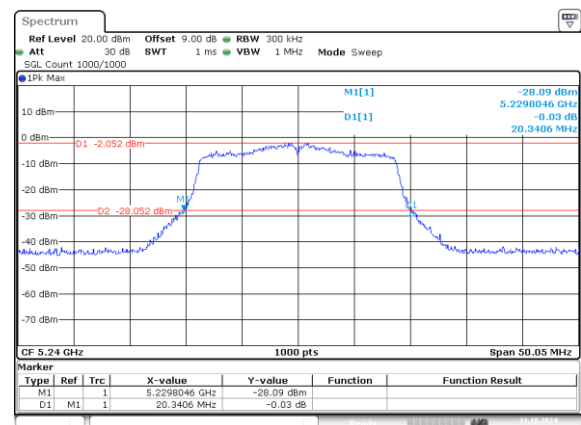
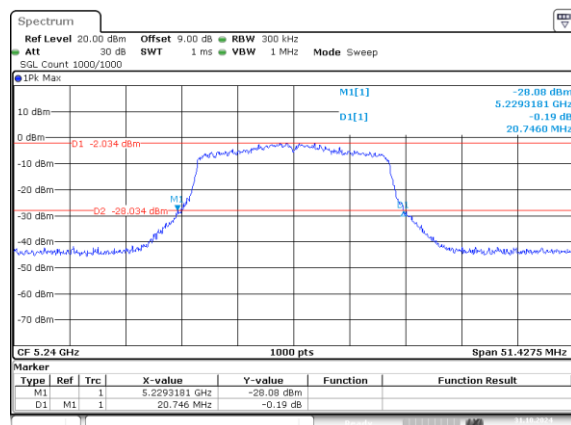
802.11n20_5200MHz_Chain 1 20.793MHz



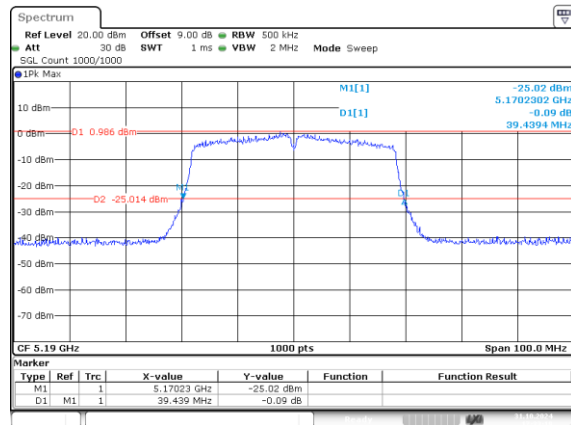
802.11n20_5240MHz_Chain 0 20.746MHz



802.11n20_5240MHz_Chain 1 20.341MHz

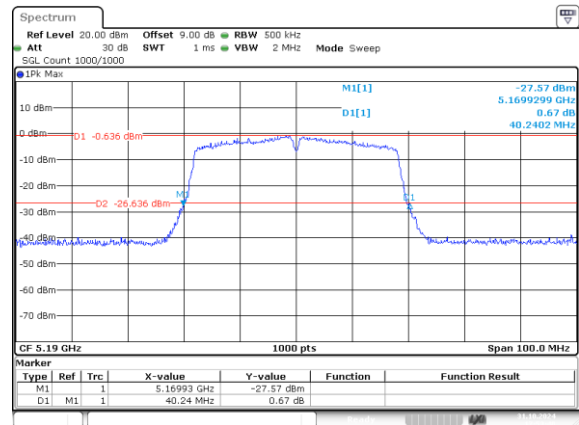


802.11n40_5190MHz_Chain 0 39.439MHz



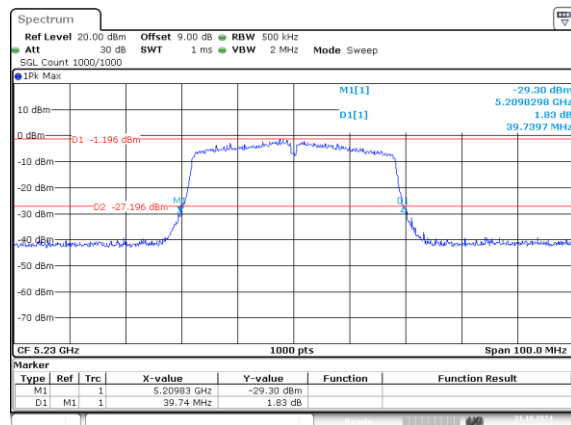
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802.11n40_5190MHz_Chain 1 40.240MHz



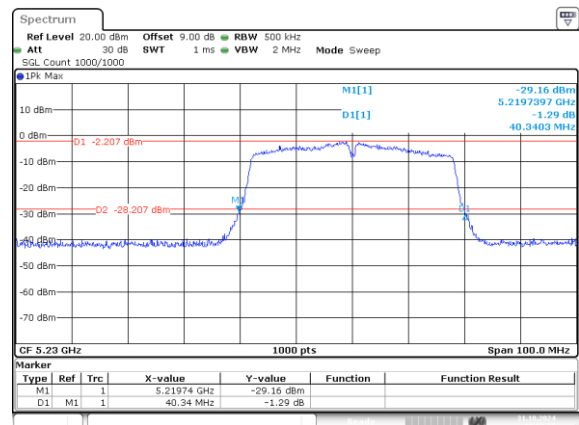
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802.11n40_5230MHz_Chain 0 39.740MHz



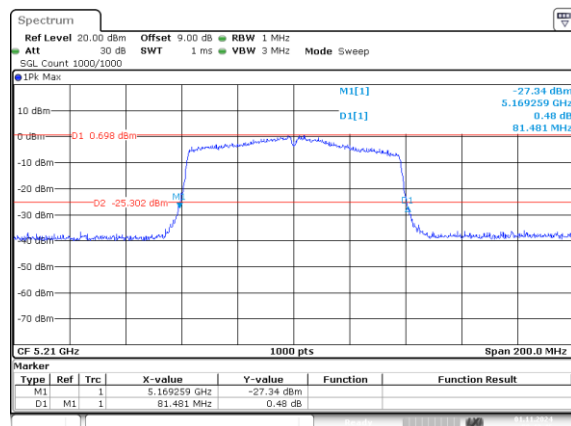
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802.11n40_5230MHz_Chain 1 40.340MHz



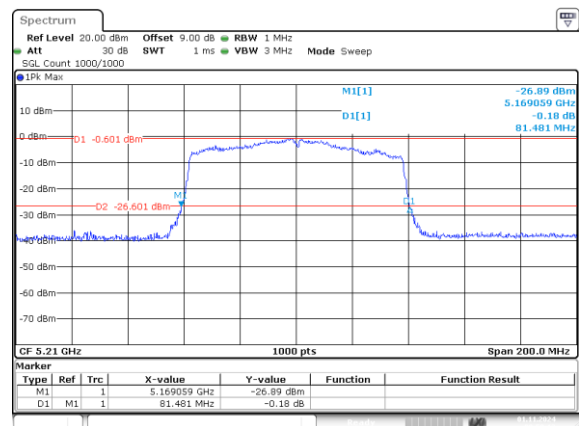
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Date: 31.OCT.2024 18:00:39

802.11ac80_5210MHz_Chain 0 81.481MHz



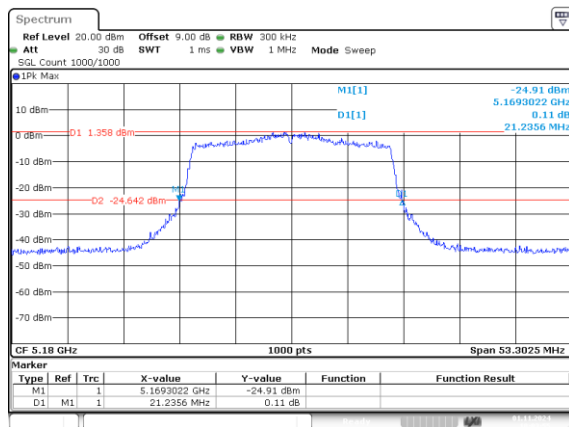
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802.11ac80_5210MHz_Chain 1 81.481MHz



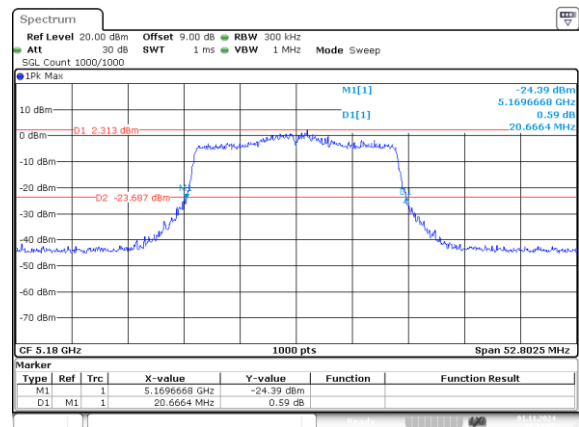
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802.11ax20_5180MHz_RU_242/61_Chain 0
21.236MHz



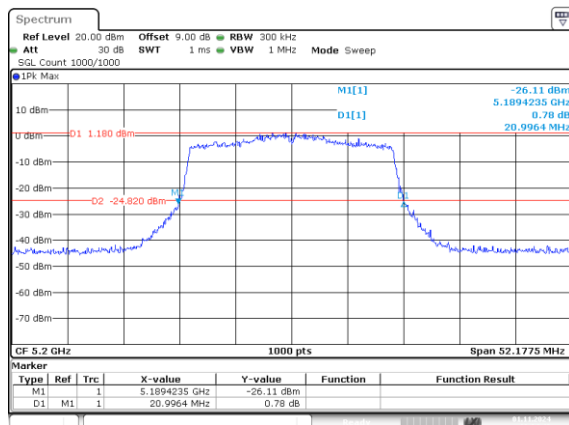
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802.11ax20_5180MHz_RU_242/61_Chain 1
20.666MHz



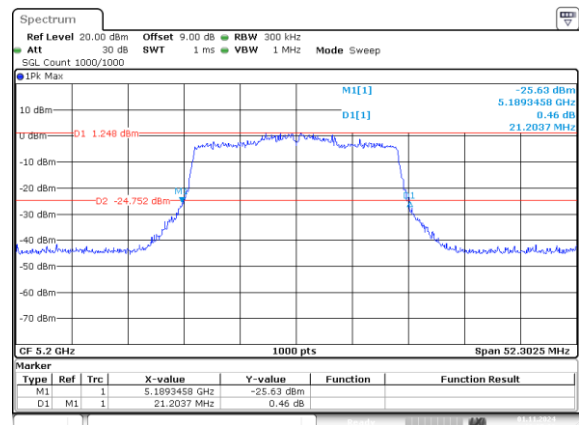
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802.11ax20_5200MHz_RU_242/61_Chain 0
20.996MHz



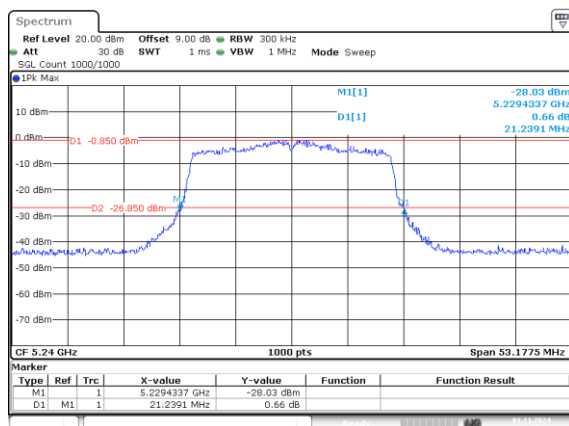
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802.11ax20_5200MHz_RU_242/61_Chain 1
21.204MHz



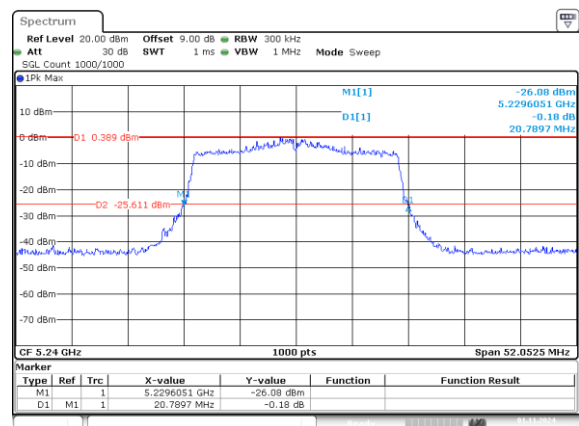
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802.11ax20_5240MHz_RU_242/61_Chain 0
21.239MHz



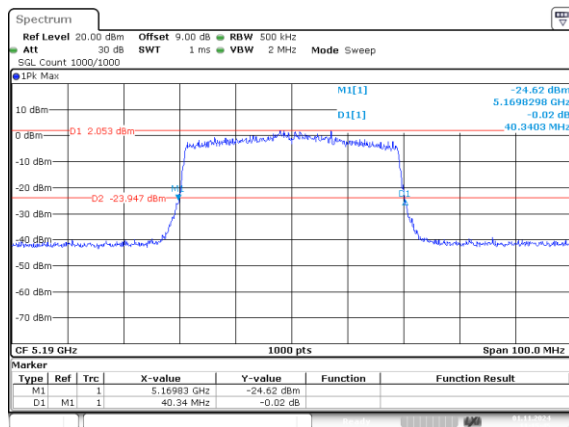
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802.11ax20_5240MHz_RU_242/61_Chain 1
20.790MHz



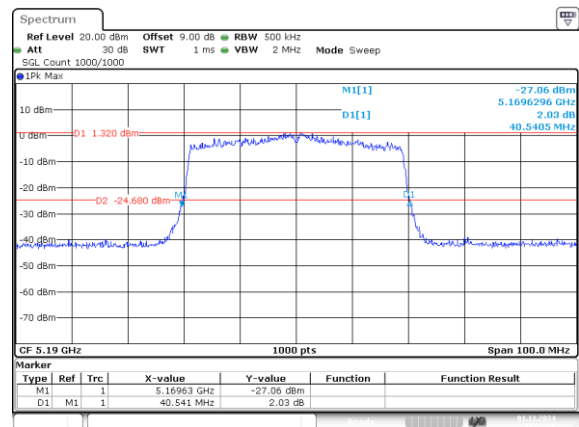
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 11:04:15

802.11ax40_5190MHz_RU_484/65_Chain 0
40.340MHz



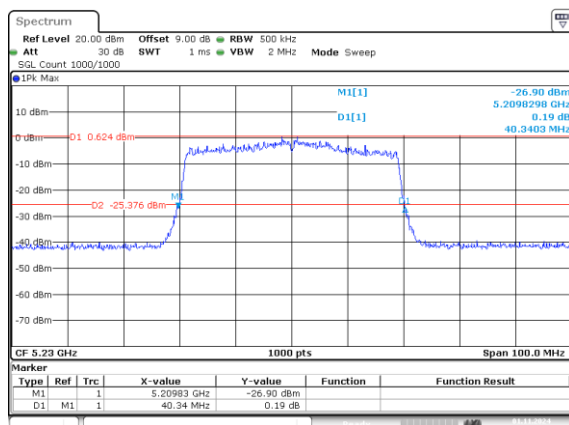
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 11:15:44

802.11ax40_5190MHz_RU_484/65_Chain 1
40.541MHz



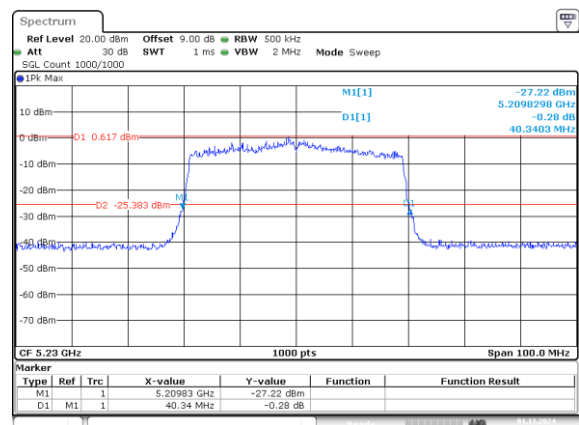
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 11:25:18

802.11ax40_5230MHz_RU_484/65_Chain 0
40.340MHz



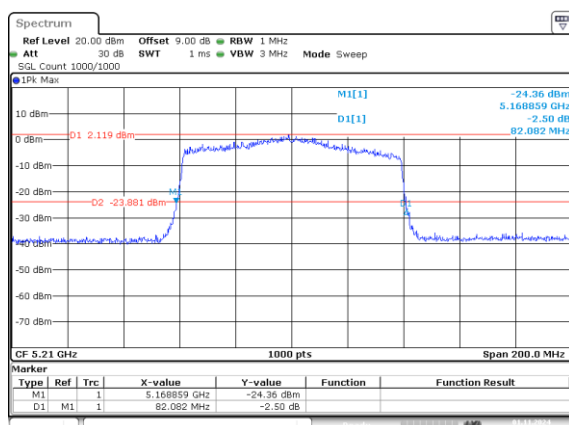
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 11:37:20

802.11ax40_5230MHz_RU_484/65_Chain 1
40.340MHz



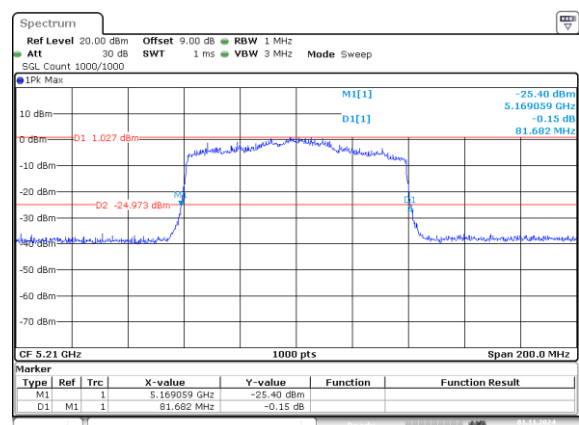
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 11:52:43

802.11ax80_5210MHz_RU_996/67_Chain 0
82.082MHz



ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 13:12:27

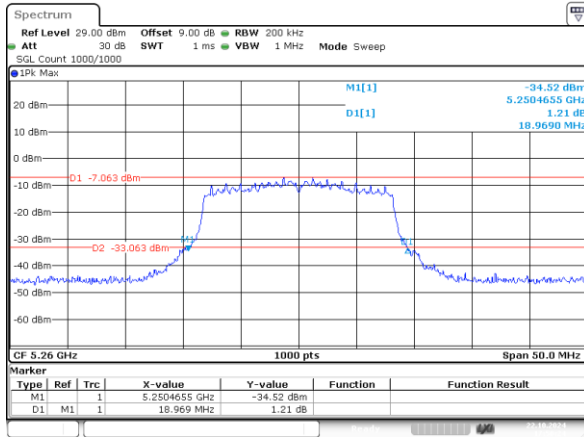
802.11ax80_5210MHz_RU_996/67_Chain 1
81.682MHz



ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 1.NOV.2024 13:25:05

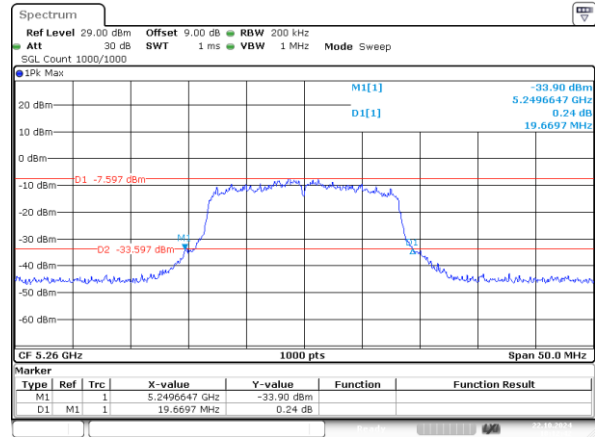
5250-5350MHz

802.11a_5260MHz_Chain 0 18.969MHz



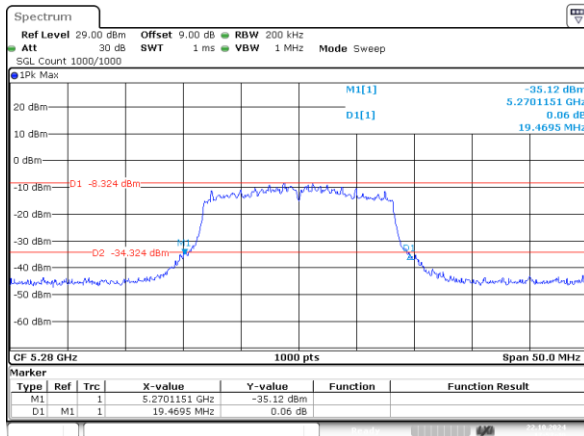
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 17:50:24

802.11a_5260MHz_Chain 1 19.670MHz



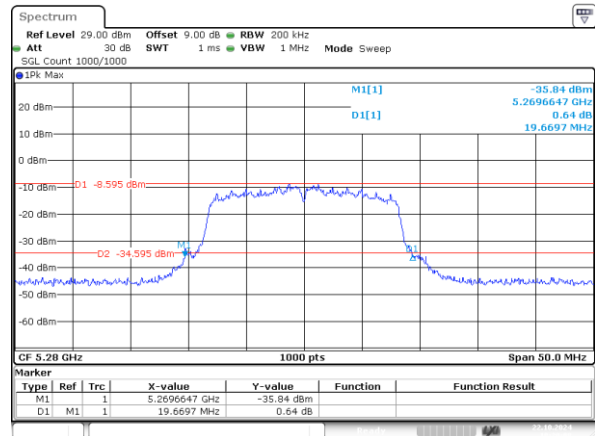
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 18:12:43

802.11a_5280MHz_Chain 0 19.469MHz



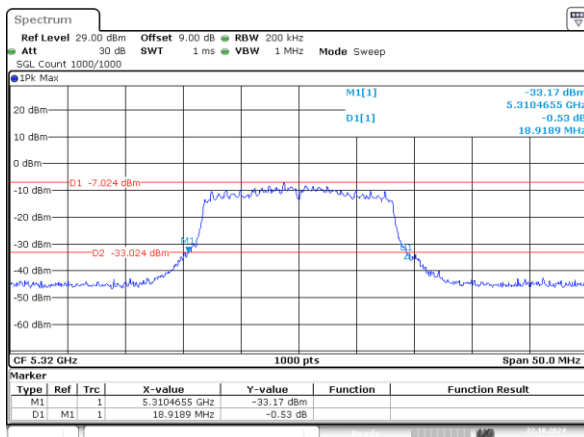
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 17:57:41

802.11a_5280MHz_Chain 1 19.670MHz



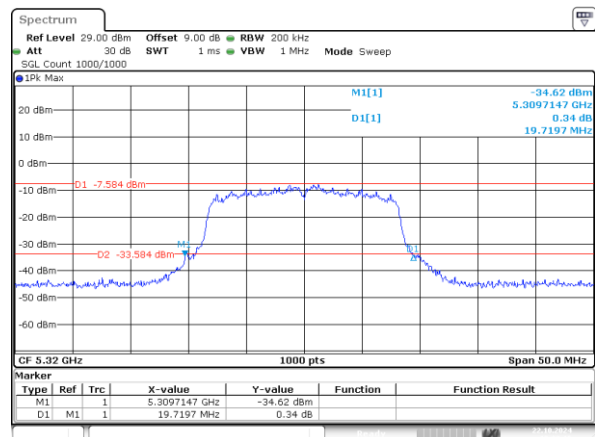
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 18:20:08

802.11a_5320MHz_Chain 0 18.919MHz



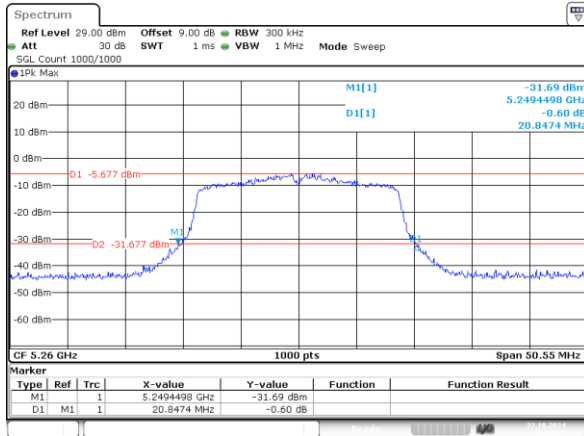
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 18:05:27

802.11a_5320MHz_Chain 1 19.720MHz



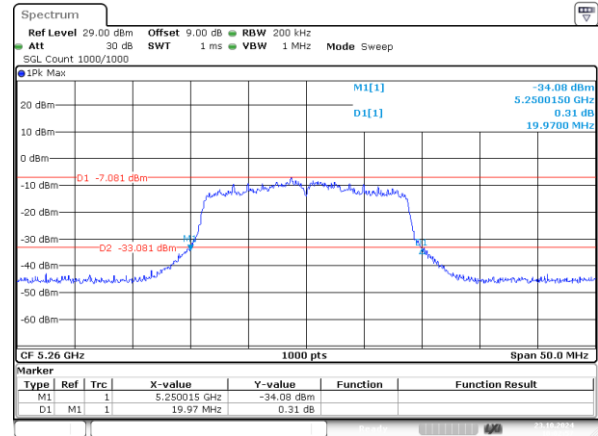
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 18:29:16

802.11n20_5260MHz_Chain 0 20.847MHz



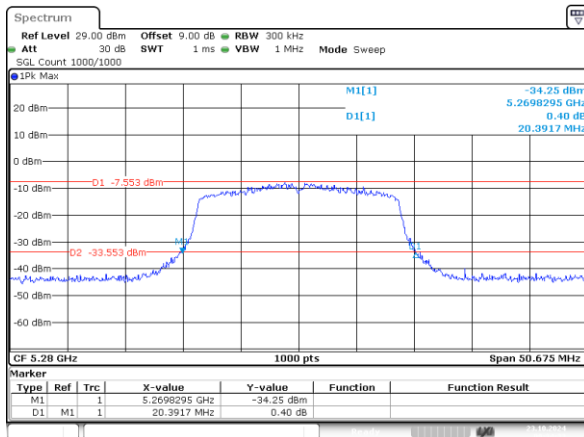
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 22.OCT.2024 18:38:04

802.11n20_5260MHz_Chain 1 19.970MHz



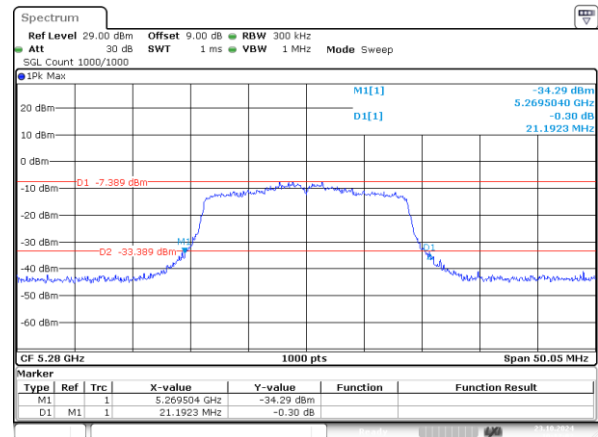
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:02:57

802.11n20_5280MHz_Chain 0 20.392MHz



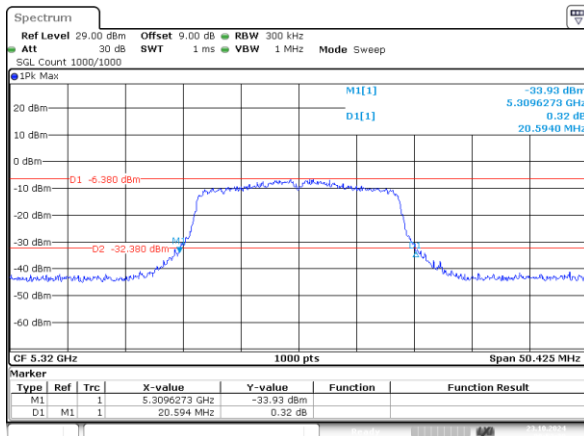
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 09:34:33

802.11n20_5280MHz_Chain 1 21.192MHz



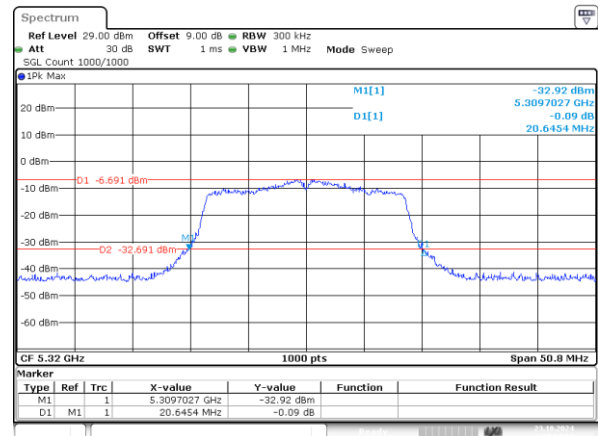
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:12:02

802.11n20_5320MHz_Chain 0 20.594MHz



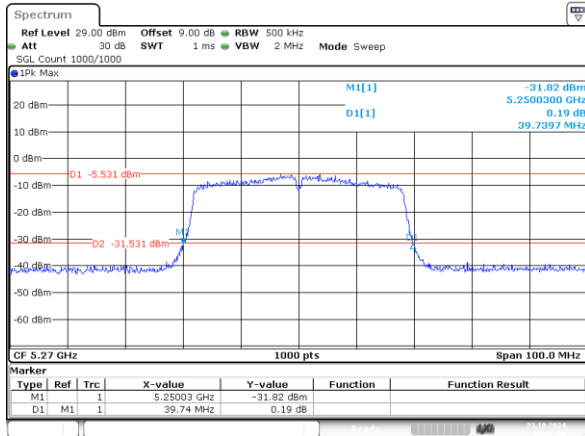
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 09:52:30

802.11n20_5320MHz_Chain 1 20.645MHz



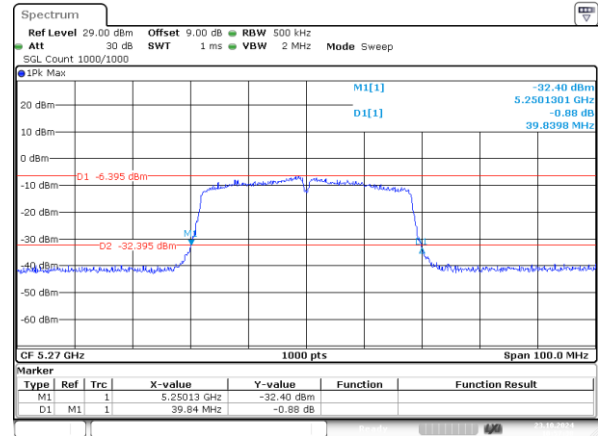
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:19:20

802.11n40_5270MHz_Chain 0 39.740MHz



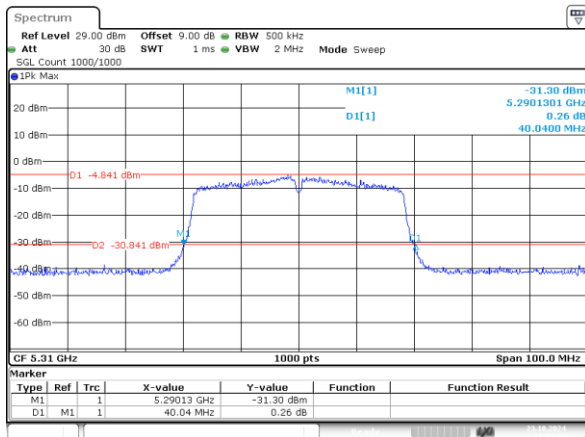
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:37:31

802.11n40_5270MHz_Chain 1 39.840MHz



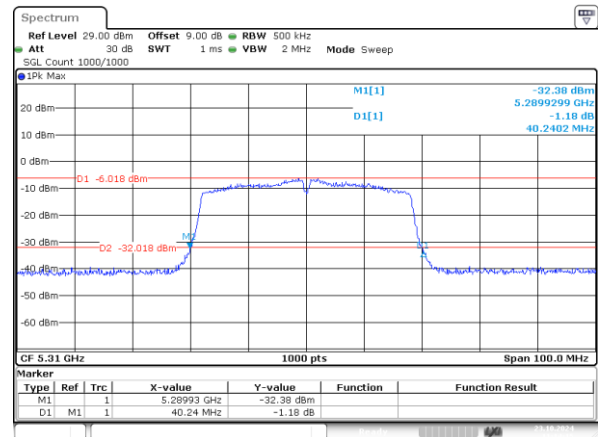
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:57:38

802.11n40_5310MHz_Chain 0 40.040MHz



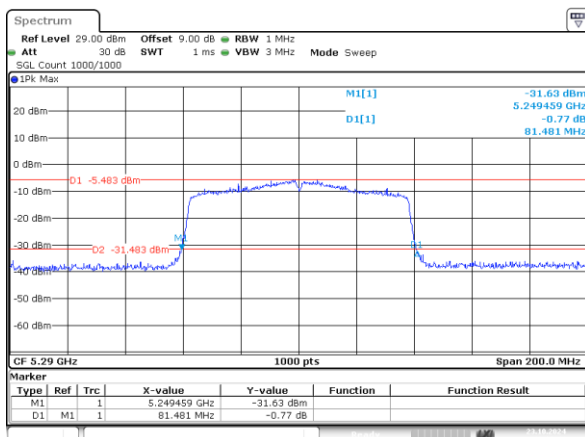
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 10:43:49

802.11n40_5310MHz_Chain 1 40.240MHz



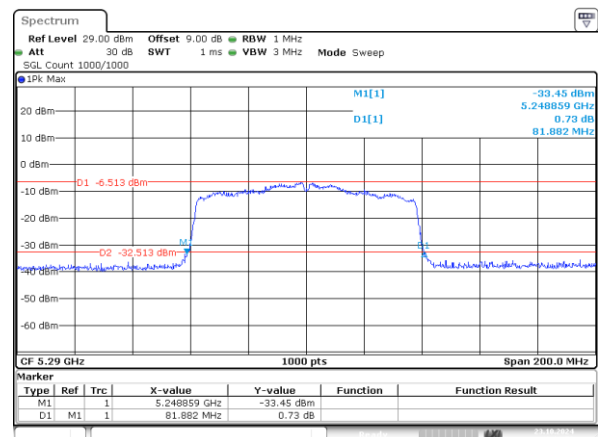
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 11:14:15

802.11ac80_5290MHz_Chain 0 81.481MHz



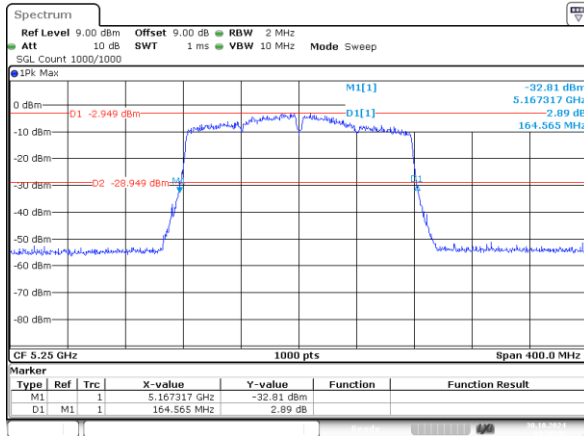
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 13:22:45

802.11ac80_5290MHz_Chain 1 81.882MHz



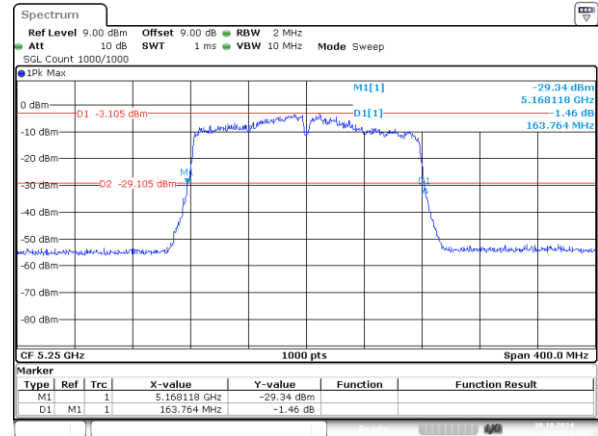
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 13:30:56

802.11ac160_5250MHz_Chain 0 164.565MHz



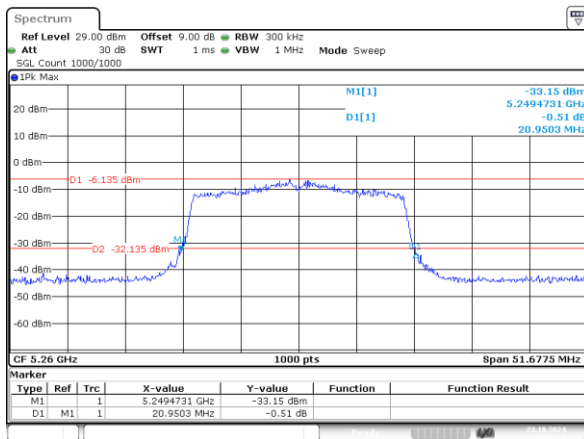
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 30.OCT.2024 19:50:45

802.11ac160_5250MHz_Chain 1 163.764MHz



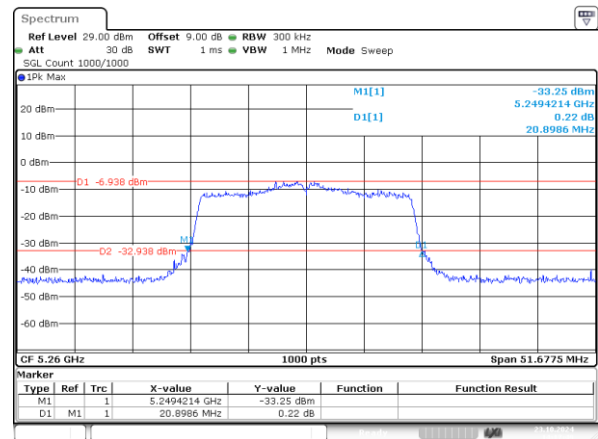
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 30.OCT.2024 20:00:30

802.11ax20_5260MHz_RU_242/61_Chain 0
20.950MHz



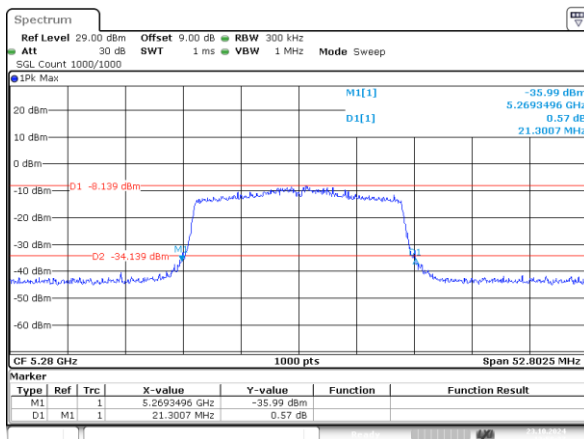
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 13:51:21

802.11ax20_5260MHz_RU_242/61_Chain 1
20.899MHz



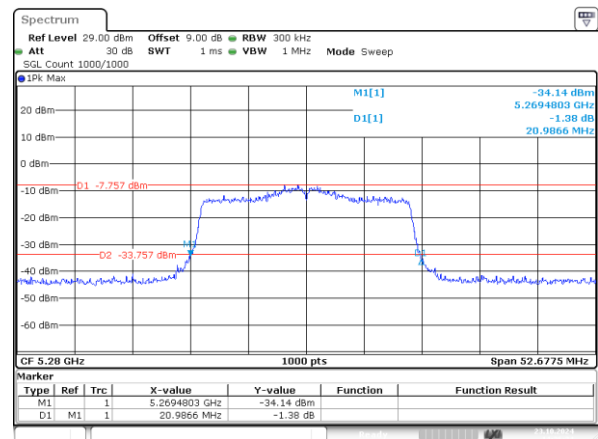
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 14:17:49

802.11ax20_5280MHz_RU_242/61_Chain 0
21.301MHz



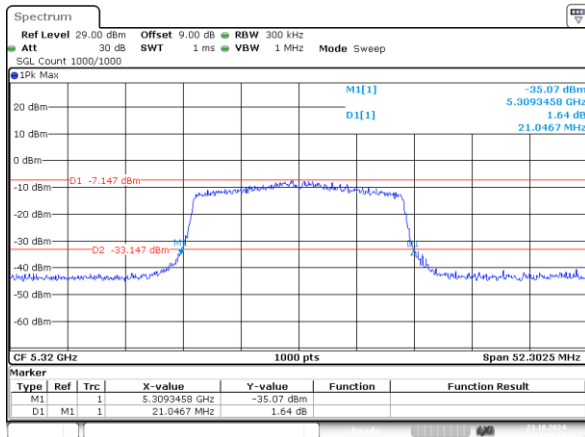
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 13:59:36

802.11ax20_5280MHz_RU_242/61_Chain 1
20.987MHz



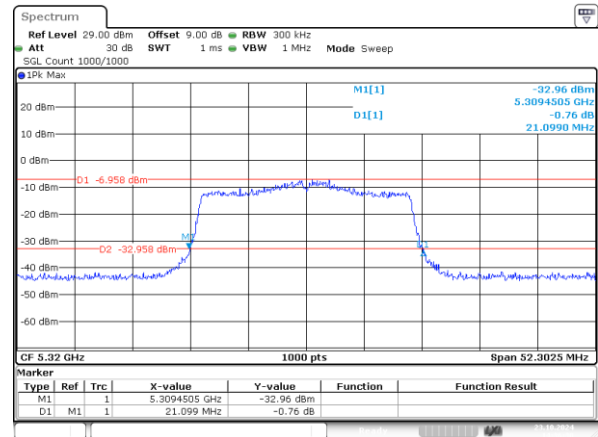
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 14:26:24

802.11ax20_5320MHz_RU_242/61_Chain 0
21.047MHz



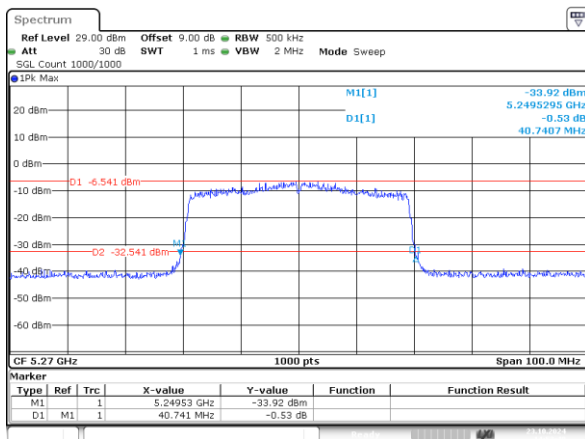
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 14:08:13

802.11ax20_5320MHz_RU_242/61_Chain 1
21.099MHz



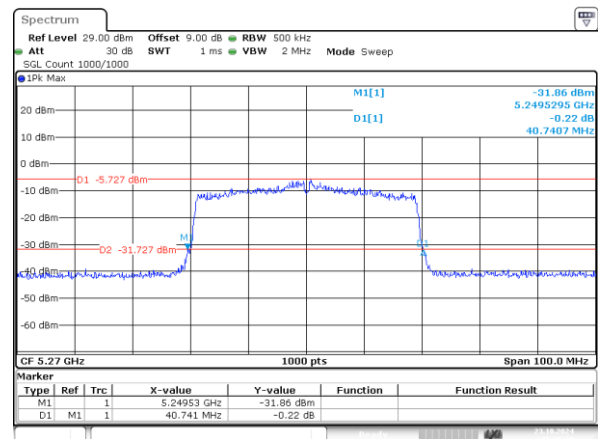
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 14:16:11

802.11ax40_5270MHz_RU_484/65_Chain 0
40.741MHz



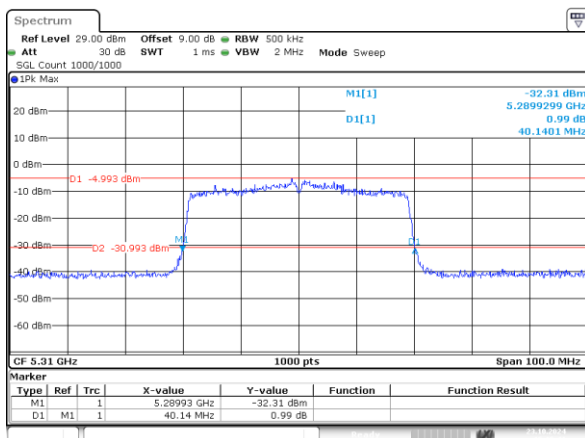
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 14:53:40

802.11ax40_5270MHz_RU_484/65_Chain 1
40.741MHz



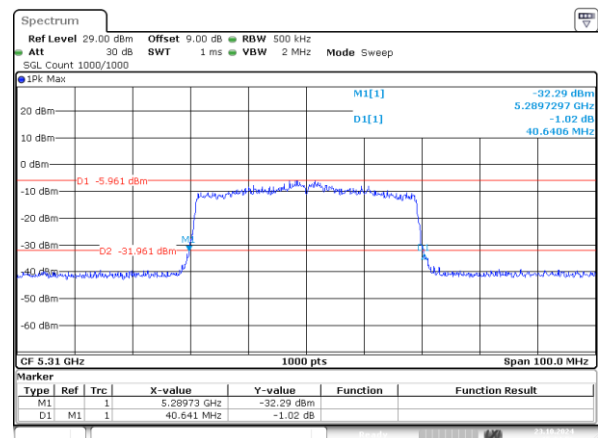
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 15:25:19

802.11ax40_5310MHz_RU_484/65_Chain 0
40.140MHz



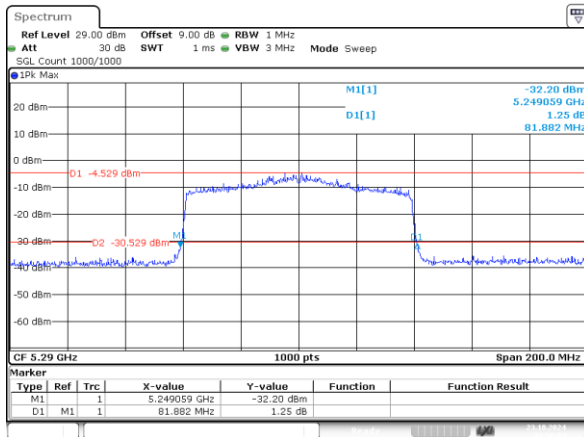
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 15:15:42

802.11ax40_5310MHz_RU_484/65_Chain 1
40.641MHz



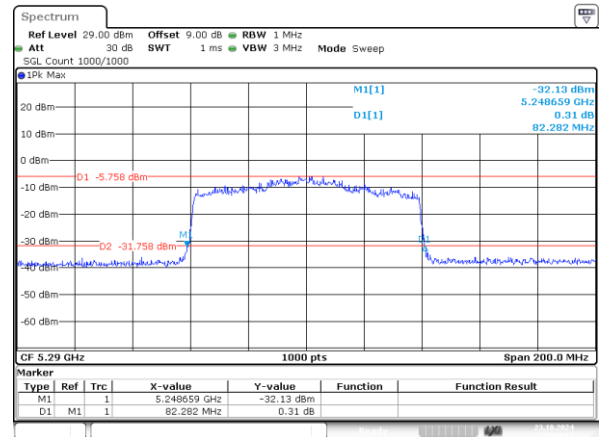
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 15:34:56

802.11ax80_5290MHz_RU_996/67_Chain 0
81.882MHz



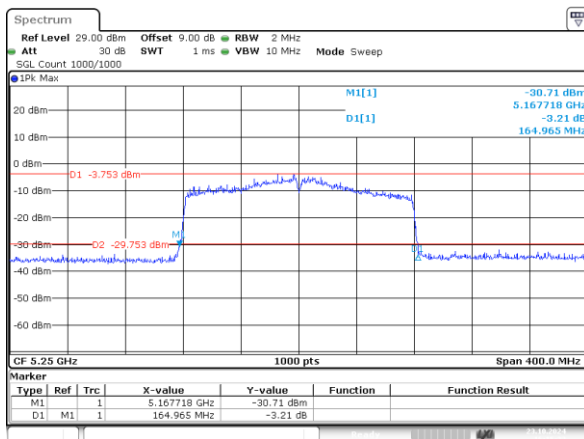
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 15:50:03

802.11ax80_5290MHz_RU_996/67_Chain 1
82.282MHz



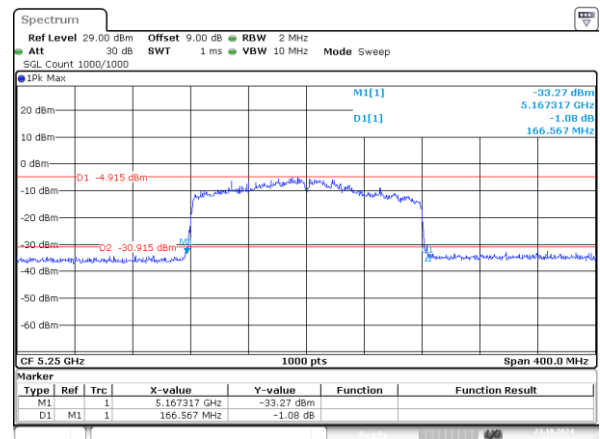
ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 15:58:37

802.11ax160_5250MHz_RU_2*996_Chain 0
164.965MHz



ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 16:15:22

802.11ax160_5250MHz_RU_2*996_Chain 1
166.567MHz



ProjectNo.:2405X57681E-RF Tester:Ryan Zhang
Date: 23.OCT.2024 16:24:32