



FCC Part 15E Test Report

FCC ID: 2BWVG-F12H5SVXW2AS

Applicant: ESUNSTAR Technology Co., Ltd

Address: A-507-508, YiyuanTong xuexiang Industrial Plant, Bantian Street, Longgang District, Shenzhen, Guangdong, China

Manufacturer: ESUNSTAR Technology Co., Ltd

Address: A-507-508, YiyuanTong xuexiang Industrial Plant, Bantian Street, Longgang District, Shenzhen, Guangdong, China

Product Name: Wireless IP Camera

Trade Mark: ESUNSTAR, YUCHENG

Model Number: F12H5SVXW2AS, F12HXXX, F12M-XXX ("XXX" represents a different resolution)

Date of Receipt: May 19, 2026

Test Date: May 19, 2026 ~ Jul. 03, 2026

Date of Report: Jul. 03, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC Rules and Regulations Part 15 Subpart E Section 15.407
ANSI C63.10: 2020

Test Result: Pass

Report Number: DLE-260703015R

Prepared by(Engineer): Ken Tan

Reviewer(Supervisor): Jack Bu

Approved(Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	Jul. 03, 2026	



1. Summary

1.1 Test Procedures and Results

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a)	PASS
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a)	PASS
Power Spectral Density	§15.407(a)	PASS
Band edge	§15.407(b)/15.209/15.205	PASS
Radiated Emission	§15.407(b)/15.209/15.205	PASS
Frequency Stability	§15.407(g)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.



1.2 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 2.56\text{dB}$
2	RF power, conducted	$\pm 0.42\text{dB}$
3	Spurious emissions, conducted	$\pm 2.76\text{dB}$
4	All emissions, radiated ($<1\text{G}$)	$\pm 3.65\text{dB}$
5	All emissions, radiated ($>1\text{G}$)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^\circ\text{C}$
7	Humidity	$\pm 2\%$
8	6dB Bandwidth	$\pm 0.2\text{MHz}$
9	Power Spectral Density	$\pm 0.3\text{dBm}$



2. EUT Description

2.1 General Description of EUT

Equipment	Wireless IP Camera
Model Name	F12H5SVXW2AS
Series Model(s)	F12HXXX, F12M-XXX ("XXX" represents a different resolution)
Model Difference	All model's the function, software and electric circuit are the same, only with model named and resolution different. Test sample model: F12H5SVXW2AS.
Operation Frequency:	IEEE 802.11a/n/ac(HT20)/ax(HE20)5.180GHz-5.240GHz IEEE 802.11n/ac(HT40)/ax(HE40)5.190GHz-5.230GHz
Modulation Technology:	IEEE 802.11a/n/ac/ax
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only 1024QAM for OFDMA in 11ax mode only
Antenna Type	External Antenna
Antenna Gain	3.87dBi
Power Source	DC12V from Adapter
Power Supply:	DC12V from Adapter
Hardware Version	V1.0
Software Version	V1.0
Note: 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. Antenna gain Refer to the antenna specifications. 3. The cable loss data is obtained from the supplier. 4. The test results in the report only apply to the tested sample.	



2.2 Operation Frequency Each of Channel

802.11a/802.11n/ 802.11ac (HT20)/ 802.11ax(HE20)		802.11n/802.11ac (HT40)/ 802.11ax(HE40)	
Channel	Frequency	Channel	Frequency
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

2.3 Operation of EUT during Testing

For 802.11a/n (HT20)/ac(HT20)/ax(HE20)

Band I (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
36	Low	5180
40	Mid	5200
48	High	5240

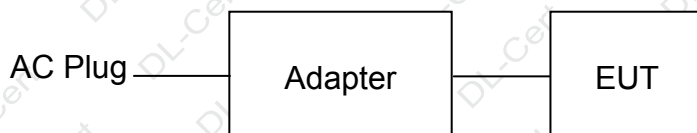
For 802.11n (HT40)/ac(HT40)/ax(HE40)

Band I (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
38	Low	5190
46	High	5230

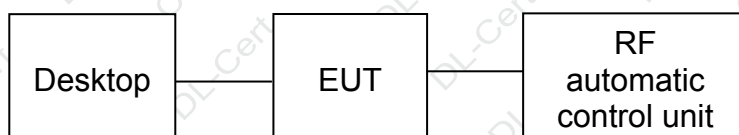


2.4 Description of Test Setup

Operation of EUT during AC Conducted testing and Radiation testing:



Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The report only reflects the worst emission test results. The worst case is X position.



2.5 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model Name	Specification	Remark
1	Wireless IP Camera	ESUNSTAR, YUCHENG	F12H5SVXW2AS	N/A	EUT
2	Adapter	N/A	MN012H-C120100	Input: AC100-240V, 50/60Hz, 0.3A max Output: DC12V/1A, 12W	

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 26db Bandwidth and 99% Occupied Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

2.6 The Worse Case Power Setting Parameter

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the end product.

Test Software Version		SecureCRT_x86_7.1.1.264_en
Modulation Type	Transmit Antenna Number	Test Software setting value
64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only 1024QAM for OFDMA in 11ax mode only	1	default



3. General Information

3.1 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:	
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0
802.11ac(HT20)/ac(HT40)	MCS0
802.11ax(HE20)/ax(HE40)	MCS0
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation

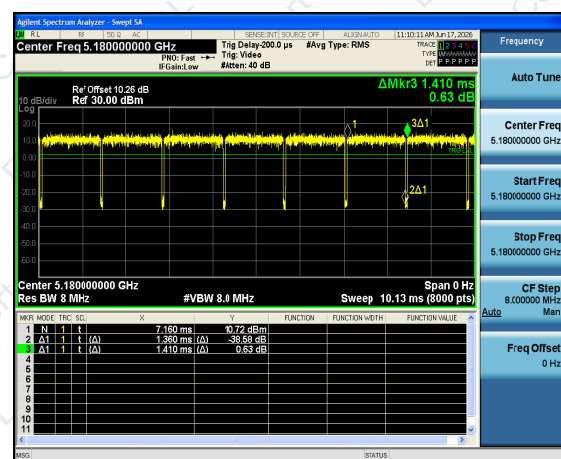


Mode Test Duty Cycle:

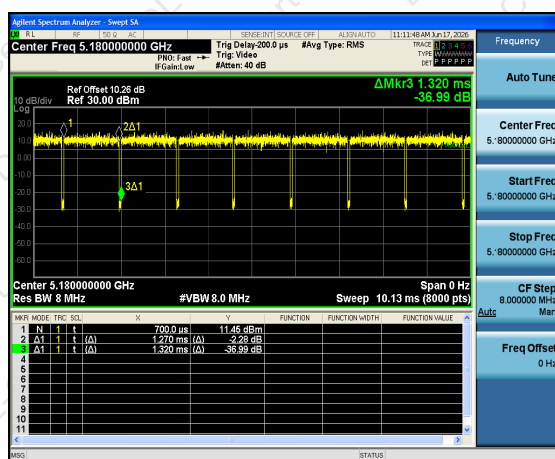
Mode	Duty Cycle
802.11a	0.9645
802.11n(HT20)	0.9621
802.11n(HT40)	0.9265
802.11ac(HT20)	0.9624
802.11ac(HT40)	0.9275
802.11ax(HE20)	0.9621
802.11ax(HE40)	0.9265

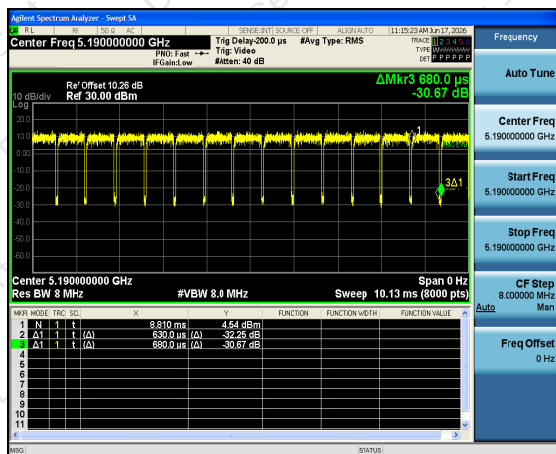
Test plots as follows:

802.11a



802.11n(HT20)



**802.11n(HT40)**



4. Test Results and Measurement Data

4.1 AC Power Line Conducted Emission

4.1.1 Test Specification

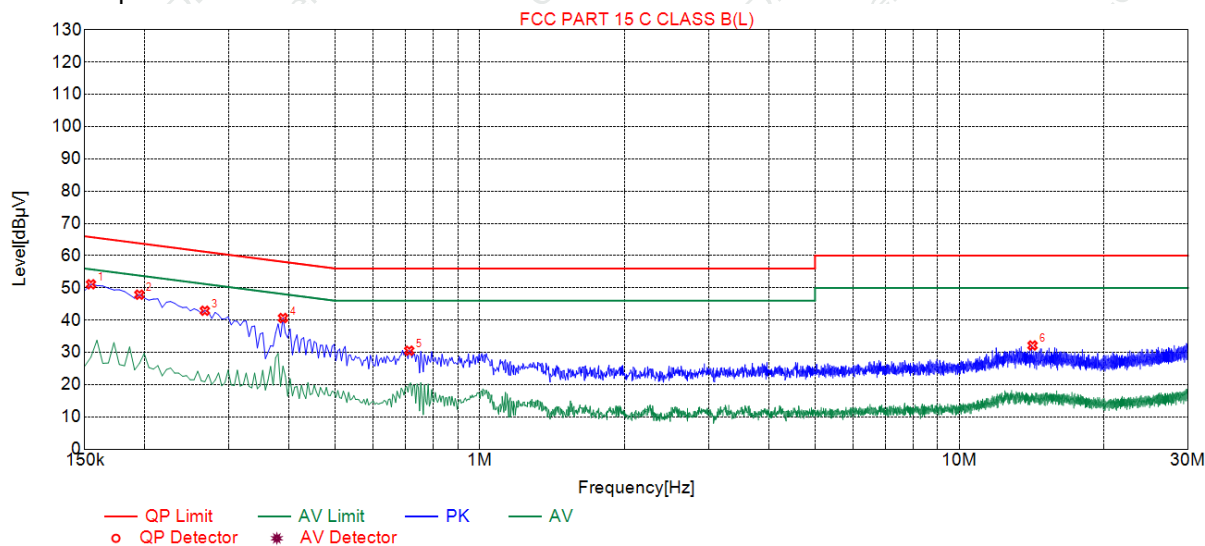
Test Requirement:	FCC Part15 C Section 15.207		
Test Method:	ANSI C63.10: 2020		
Frequency Range:	150 kHz to 30 MHz		
Receiver Setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto		
Limits:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
Test Setup:	Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Mode:	Tx Mode		
Test Procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. 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: 2020 on conducted measurement.		
Test Result:	Pass		



4.1.2 Test Data

All the test modes completed for test. Only the worst mode of 802.11a low channel TX is reflected.

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1545	51.13	19.84	65.75	14.62	31.29	PK	L
2	0.1950	47.89	19.76	63.82	15.93	28.13	PK	L
3	0.2670	42.92	19.77	61.21	18.29	23.15	PK	L
4	0.3885	40.66	19.81	58.10	17.44	20.85	PK	L
5	0.7125	30.53	19.95	56.00	25.47	10.58	PK	L
6	14.2125	32.16	21.92	60.00	27.84	10.24	PK	L

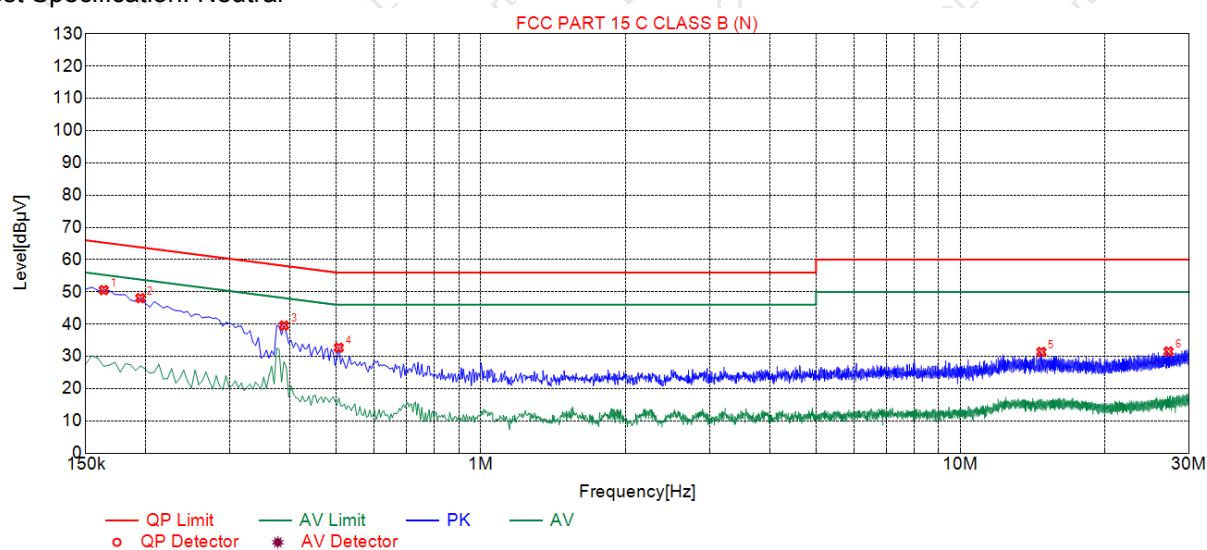
Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



Test Specification: Neutral



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1635	50.56	19.90	65.28	14.72	30.66	PK	N
2	0.1950	48.07	19.77	63.82	15.75	28.30	PK	N
3	0.3885	39.56	19.88	58.10	18.54	19.68	PK	N
4	0.5055	32.71	19.95	56.00	23.29	12.76	PK	N
5	14.7570	31.39	21.91	60.00	28.61	9.48	PK	N
6	27.1815	31.53	24.65	60.00	28.47	6.88	PK	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



4.2 Maximum Conducted Output Power

4.2.1 Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)	
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02.r01 Section E	
Limit:	Frequency Band (MHz)	Limit
	5150-5250	250mW for client devices
Test Setup:	 RF automatic control unit EUT	
Test Mode:	Transmitting mode with modulation	
Test Procedure:	1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a. 2. The RF output of EUT was connected to the RF automatic control unit by RF cable. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the conducted output power and record the results in the test report.	
Test Result:	PASS	
Remark:	Conducted output power= measurement power +10log(1/x) X is duty cycle. During the test, the "duty cycle factor" has already been added to the testing software.	



4.2.2 Test Data

Configuration Band I (5150 - 5250 MHz)				
Mode	Test Channel	Maximum Conducted Output Power (dBm)	FCC Limit (dBm)	Result
802.11a	CH36	7.10	24	PASS
802.11a	CH40	7.02	24	PASS
802.11a	CH48	7.22	24	PASS
802.11n(HT20)	CH36	7.07	24	PASS
802.11n(HT20)	CH40	7.17	24	PASS
802.11n(HT20)	CH48	7.11	24	PASS
802.11n(HT40)	CH38	8.74	24	PASS
802.11n(HT40)	CH46	8.37	24	PASS
802.11ac(HT20)	CH36	8.53	24	PASS
802.11ac(HT20)	CH40	8.63	24	PASS
802.11ac(HT20)	CH48	8.69	24	PASS
802.11ac(HT40)	CH38	8.78	24	PASS
802.11ac(HT40)	CH46	8.67	24	PASS
802.11ax(HE20)	CH36	8.84	24	PASS
802.11ax(HE20)	CH40	8.62	24	PASS
802.11ax(HE20)	CH48	8.62	24	PASS
802.11ax(HE40)	CH38	8.07	24	PASS
802.11ax(HE40)	CH46	8.95	24	PASS
Note: 1.The test results including the cable lose.				



4.3 26dB Bandwidth and 99% Occupied Bandwidth

4.3.1 Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Limit:	No restriction limits
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth $RBW = 1\% \text{ EBW}$, $VBW \geq 3RBW$, In order to make an accurate measurement. 4. Measure and record the results in the test report.
Test Result:	PASS



4.3.2 Test Data

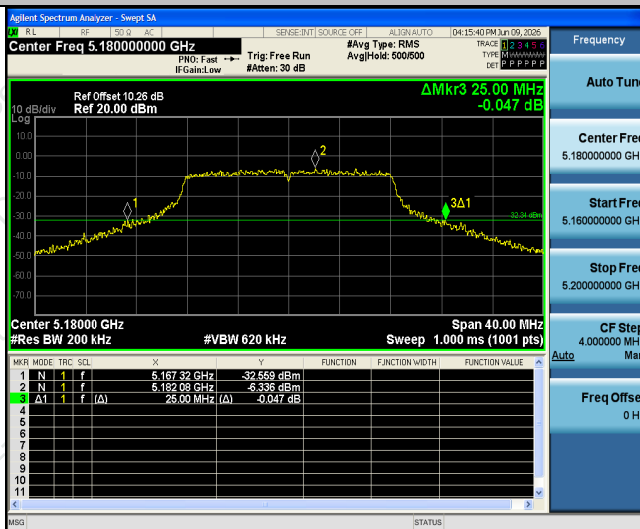
Mode	Test Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Verdict
802.11a	CH36	5180	25.000	PASS
802.11a	CH40	5200	23.880	PASS
802.11a	CH48	5240	24.760	PASS
802.11n(HT20)	CH36	5180	24.840	PASS
802.11n(HT20)	CH40	5200	26.000	PASS
802.11n(HT20)	CH48	5240	24.760	PASS
802.11n(HT40)	CH38	5190	45.200	PASS
802.11n(HT40)	CH46	5230	44.240	PASS
802.11ac(HT20)	CH36	5180	24.920	PASS
802.11ac(HT20)	CH40	5200	24.600	PASS
802.11ac(HT20)	CH48	5240	23.920	PASS
802.11ac(HT40)	CH38	5190	45.600	PASS
802.11ac(HT40)	CH46	5230	45.200	PASS
802.11ax(HE20)	CH36	5180	23.960	PASS
802.11ax(HE20)	CH40	5200	24.760	PASS
802.11ax(HE20)	CH48	5240	24.440	PASS
802.11ax(HE40)	CH38	5190	44.720	PASS
802.11ax(HE40)	CH46	5230	43.840	PASS

Test plots as follows:

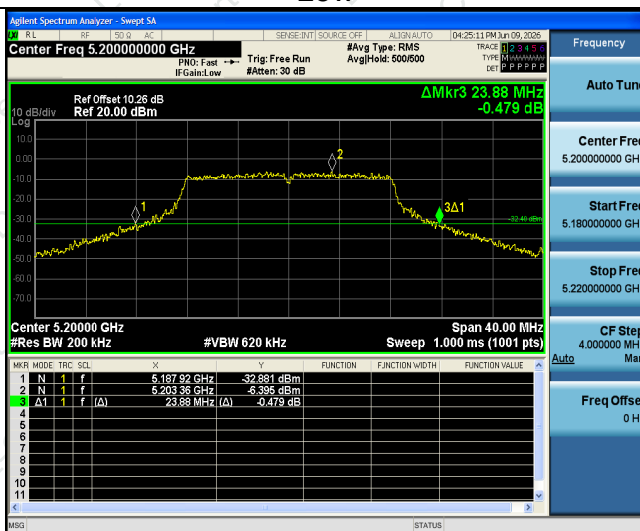


Band I (5150 – 5250MHz)

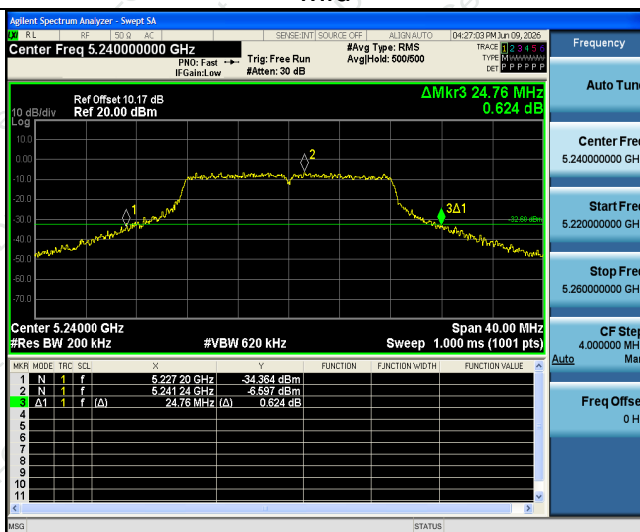
802.11a



Low



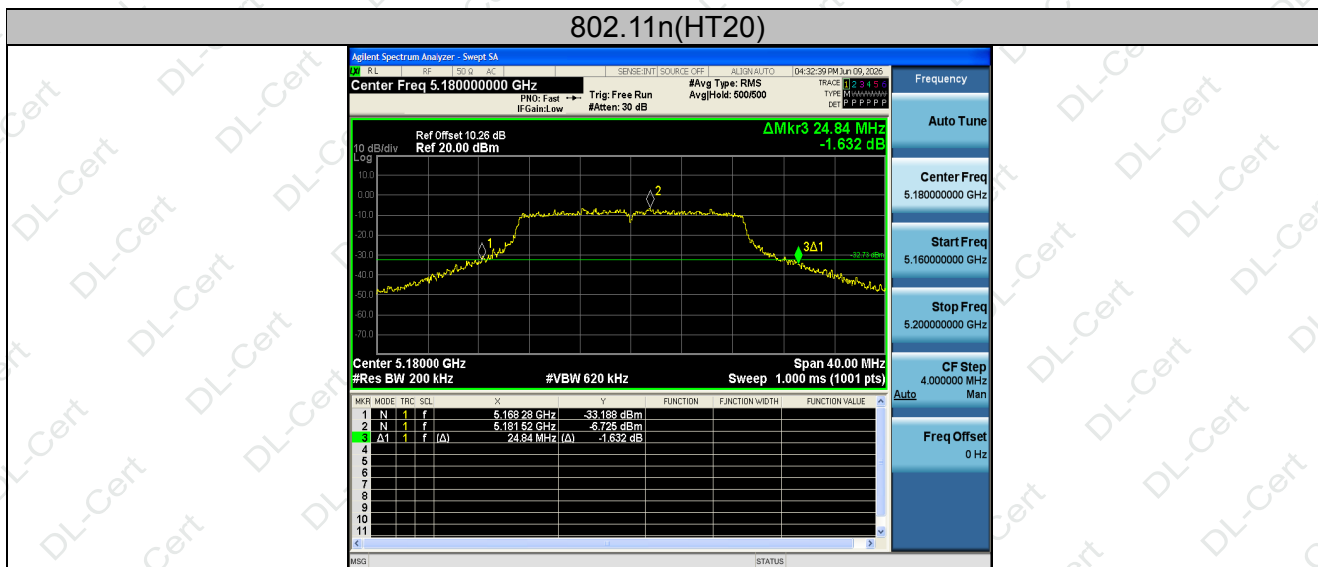
Mid



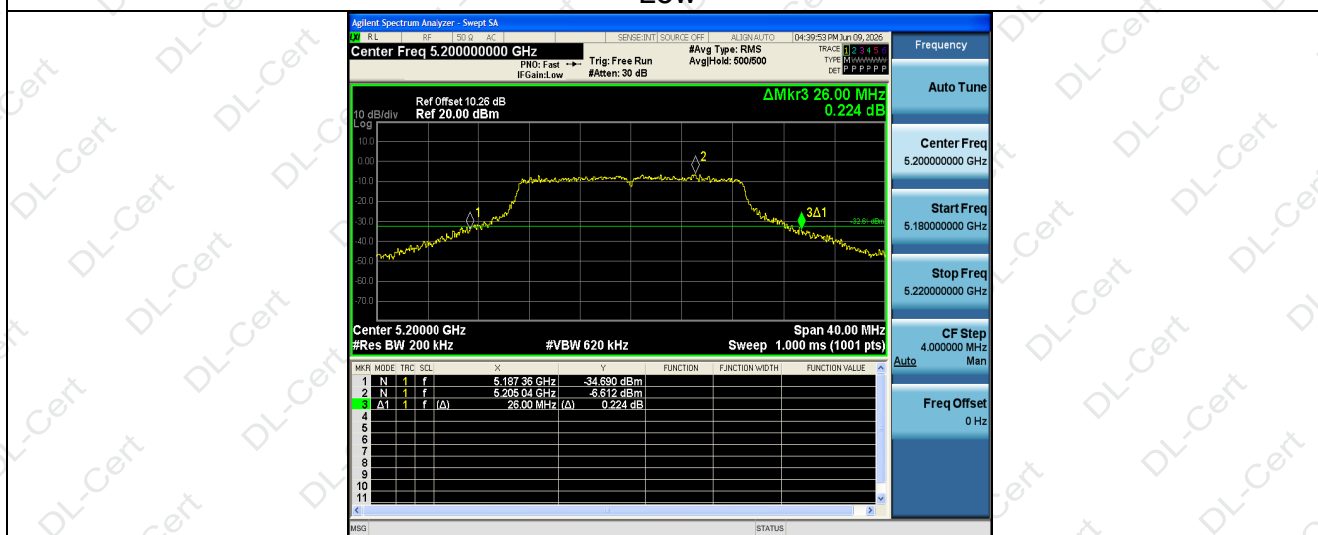
High



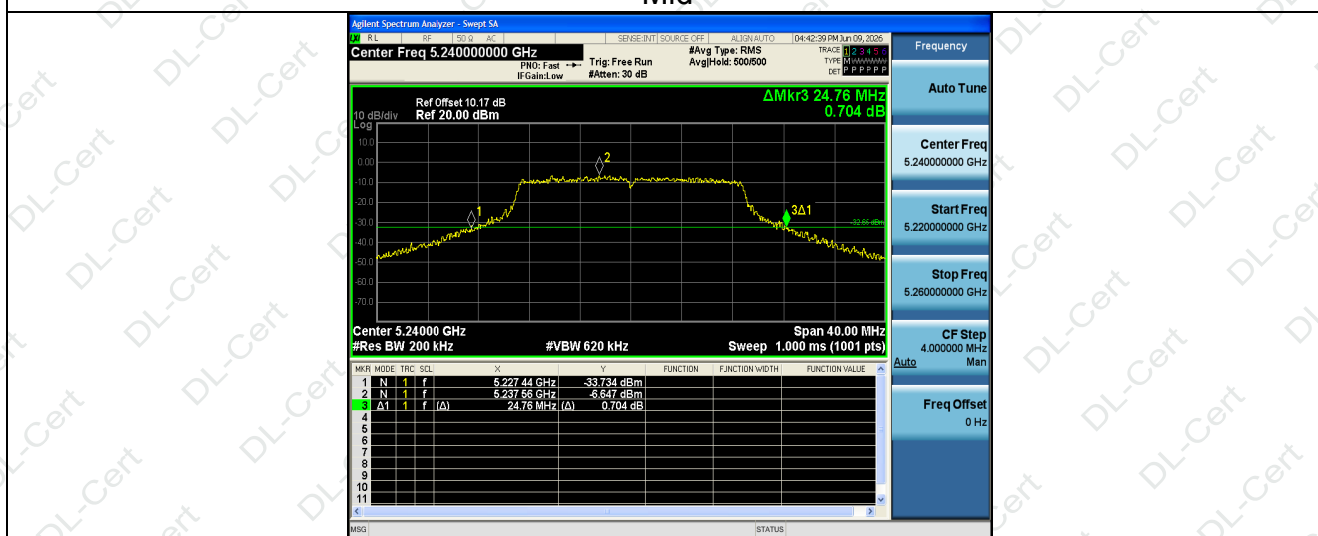
802.11n(HT20)



Low



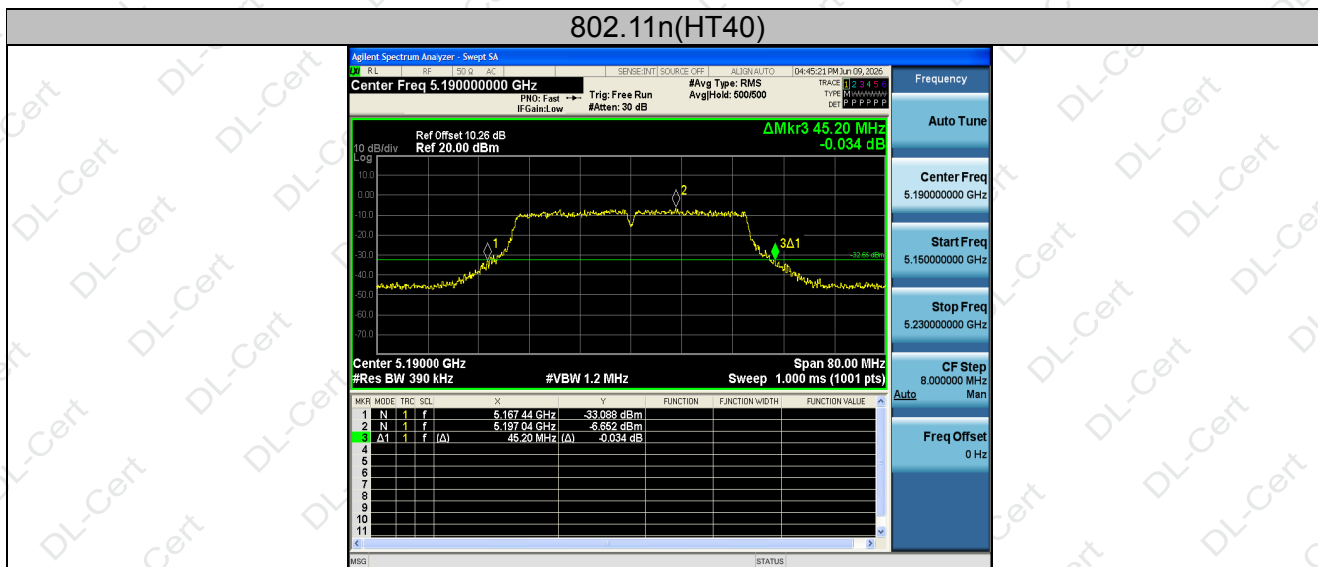
Mid



High



802.11n(HT40)



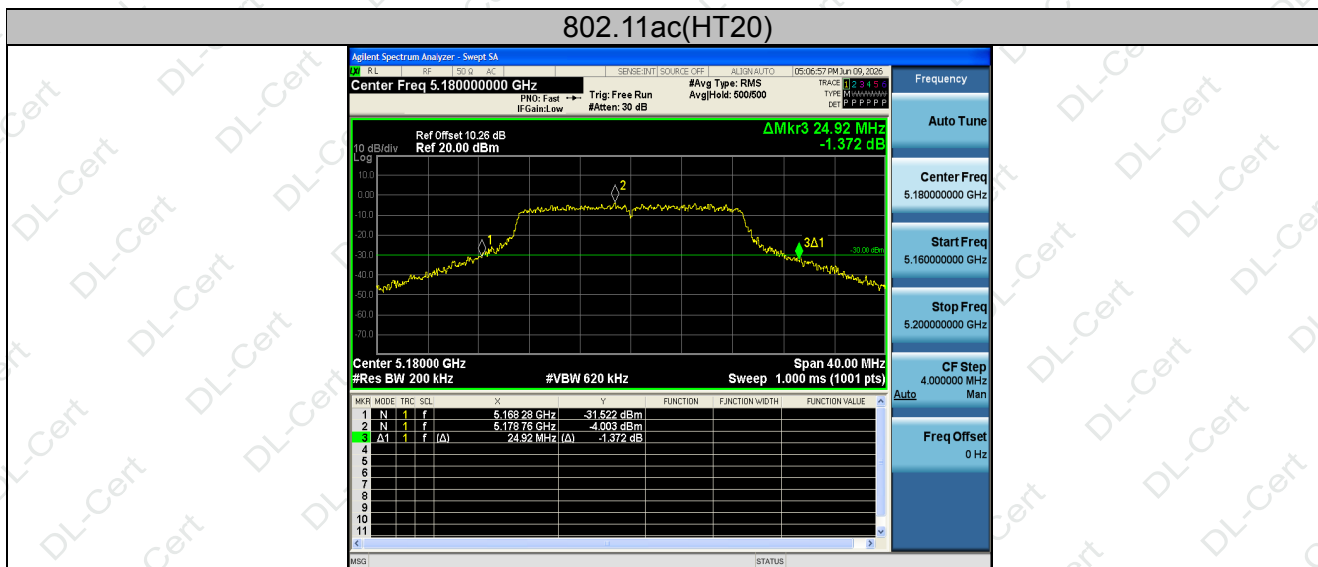
Low



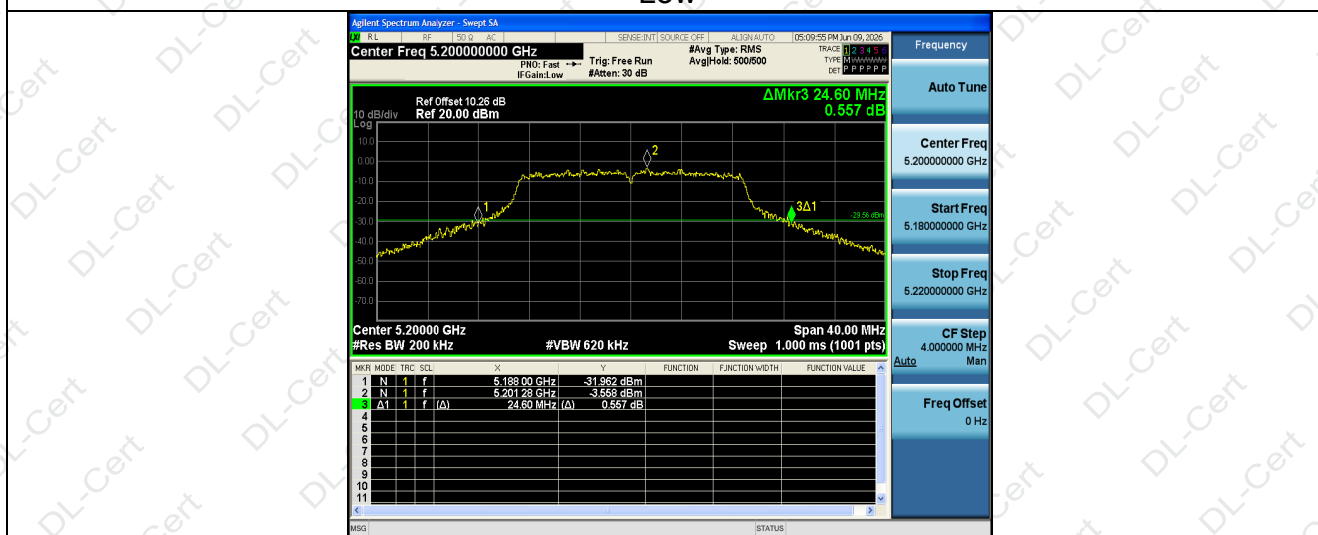
High



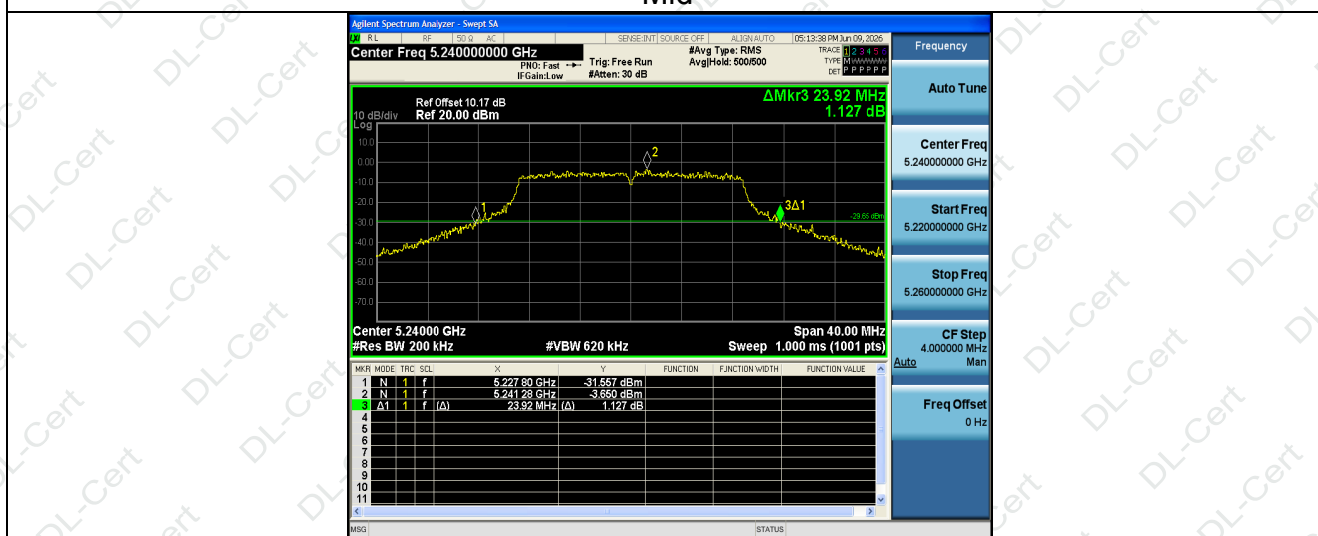
802.11ac(HT20)



Low



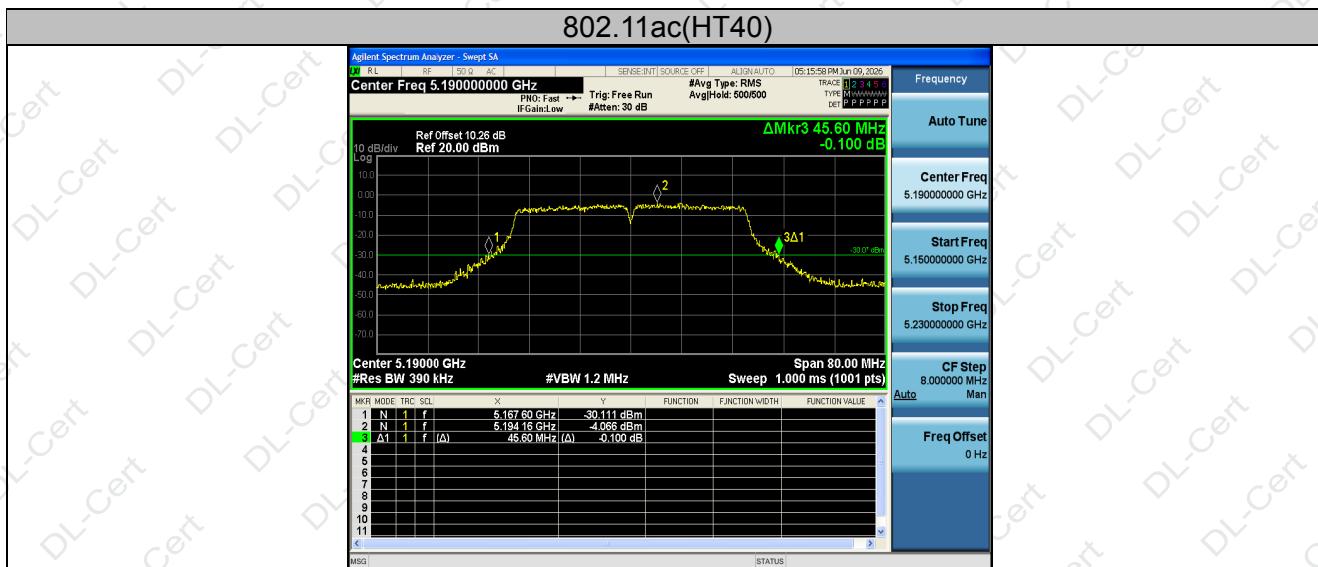
Mid



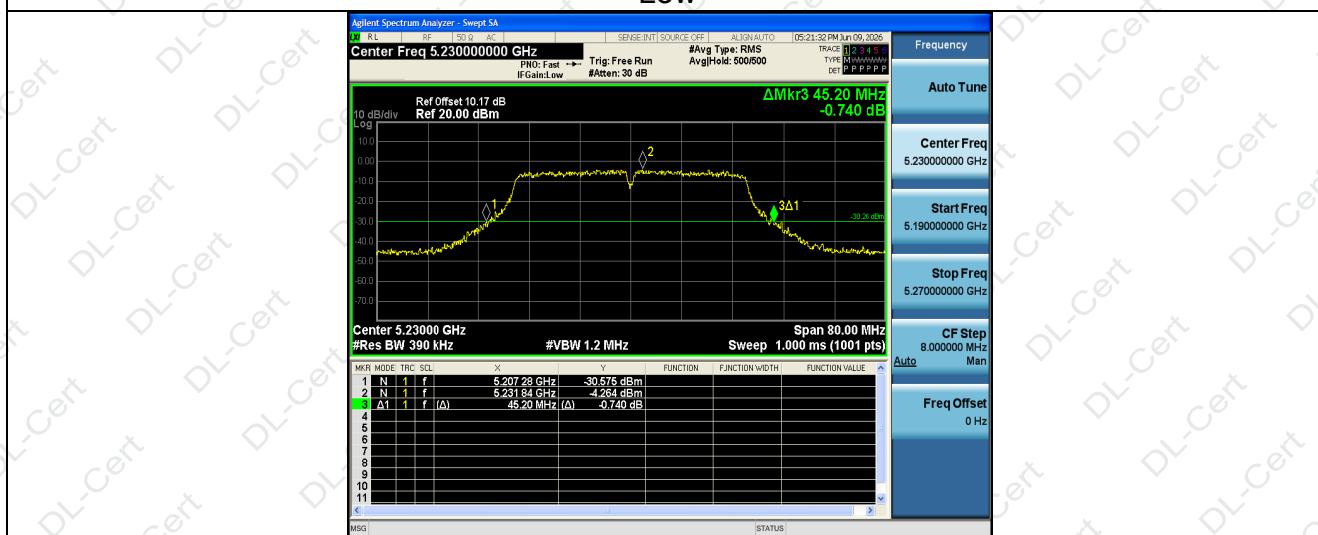
High



802.11ac(HT40)



Low



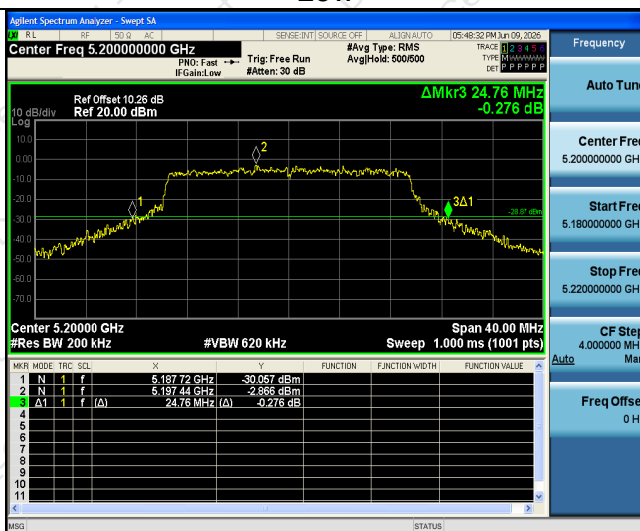
High



802.11ax(HE20)



Low



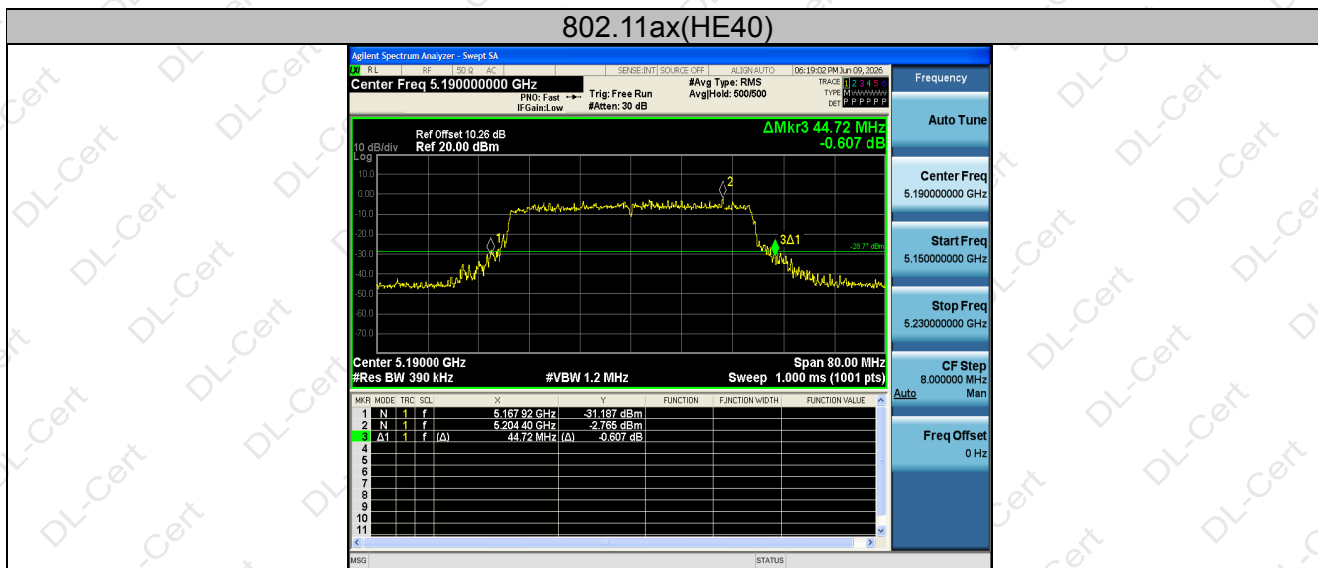
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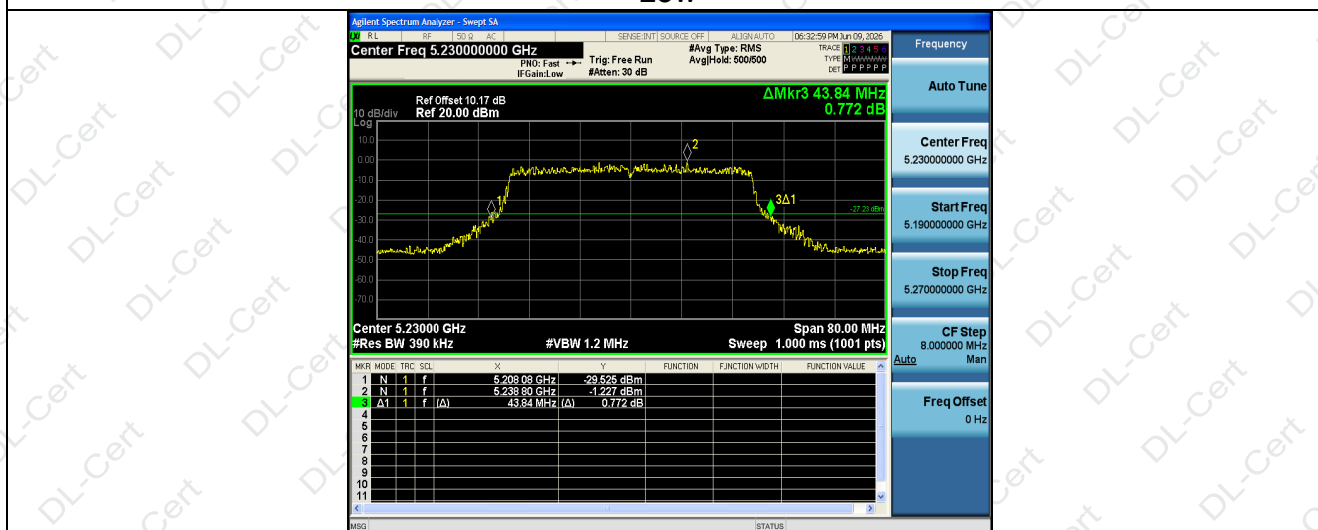
High



802.11ax(HE40)



Low



High



4.4 Power Spectral Density

4.4.1 Test Specification

Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F
Limit:	≤11.00dBm/MHz for Band I 5150MHz-5250MHz
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 2. Set RBW = 1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. 3. Allow the sweeps to continue until the trace stabilizes. 4. Use the peak marker function to determine the maximum amplitude level. 5. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.
Test Result:	PASS
Remark:	During the test, the "duty cycle factor" has already been added to the testing software.



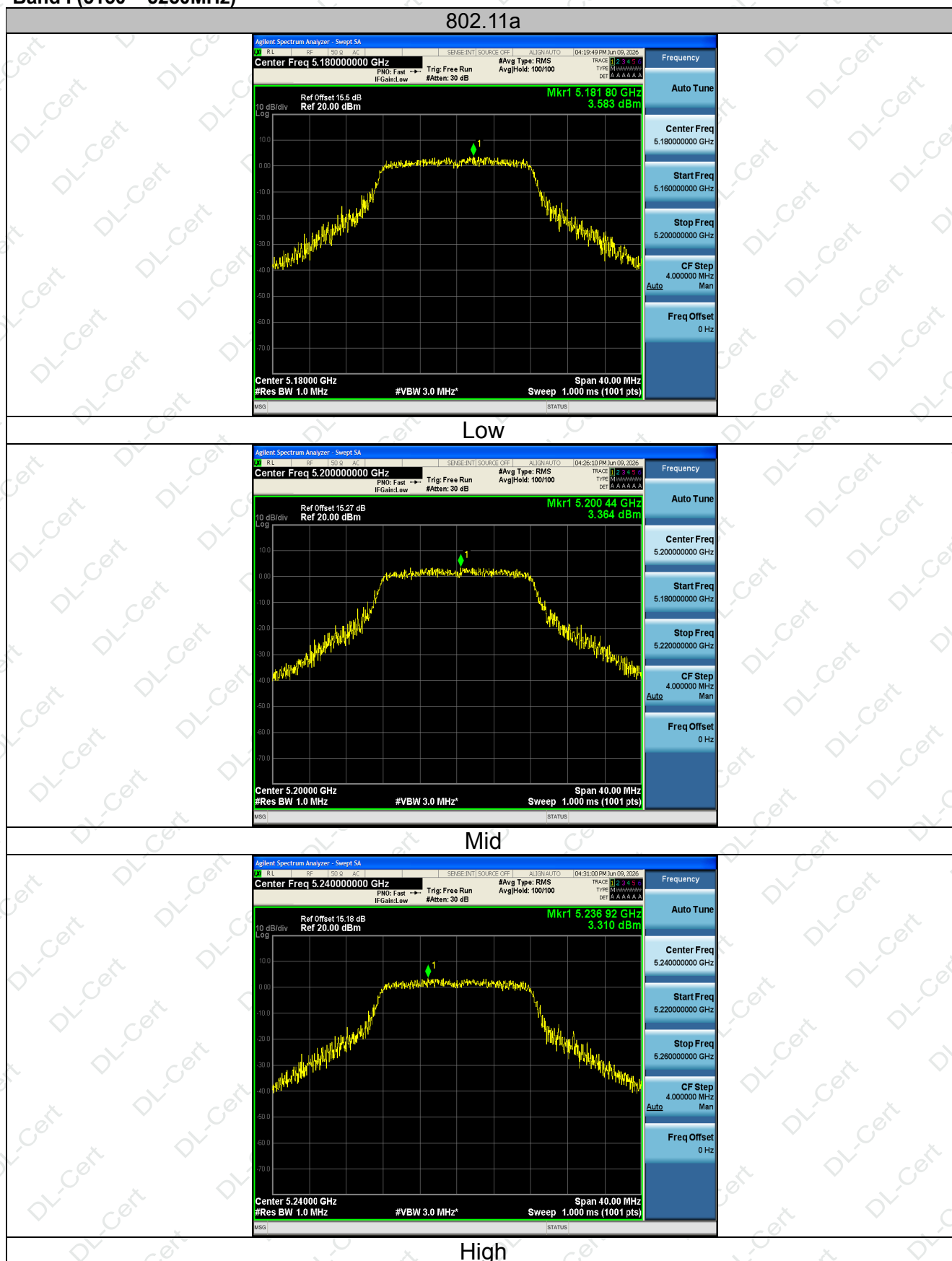
4.4.2 Test Data

Mode	Test Channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
802.11a	CH36	3.58	11	PASS
802.11a	CH40	3.36	11	PASS
802.11a	CH48	3.31	11	PASS
802.11n(HT20)	CH36	3.13	11	PASS
802.11n(HT20)	CH40	3.80	11	PASS
802.11n(HT20)	CH48	3.24	11	PASS
802.11n(HT40)	CH38	3.25	11	PASS
802.11n(HT40)	CH46	3.13	11	PASS
802.11ac(HT20)	CH36	5.90	11	PASS
802.11ac(HT20)	CH40	5.69	11	PASS
802.11ac(HT20)	CH48	6.28	11	PASS
802.11ac(HT40)	CH38	2.39	11	PASS
802.11ac(HT40)	CH46	3.05	11	PASS
802.11ax(HE20)	CH36	6.24	11	PASS
802.11ax(HE20)	CH40	6.04	11	PASS
802.11ax(HE20)	CH48	6.10	11	PASS
802.11ax(HE40)	CH38	6.90	11	PASS
802.11ax(HE40)	CH46	5.27	11	PASS

Note: Instrument attenuation and cable loss See test diagram

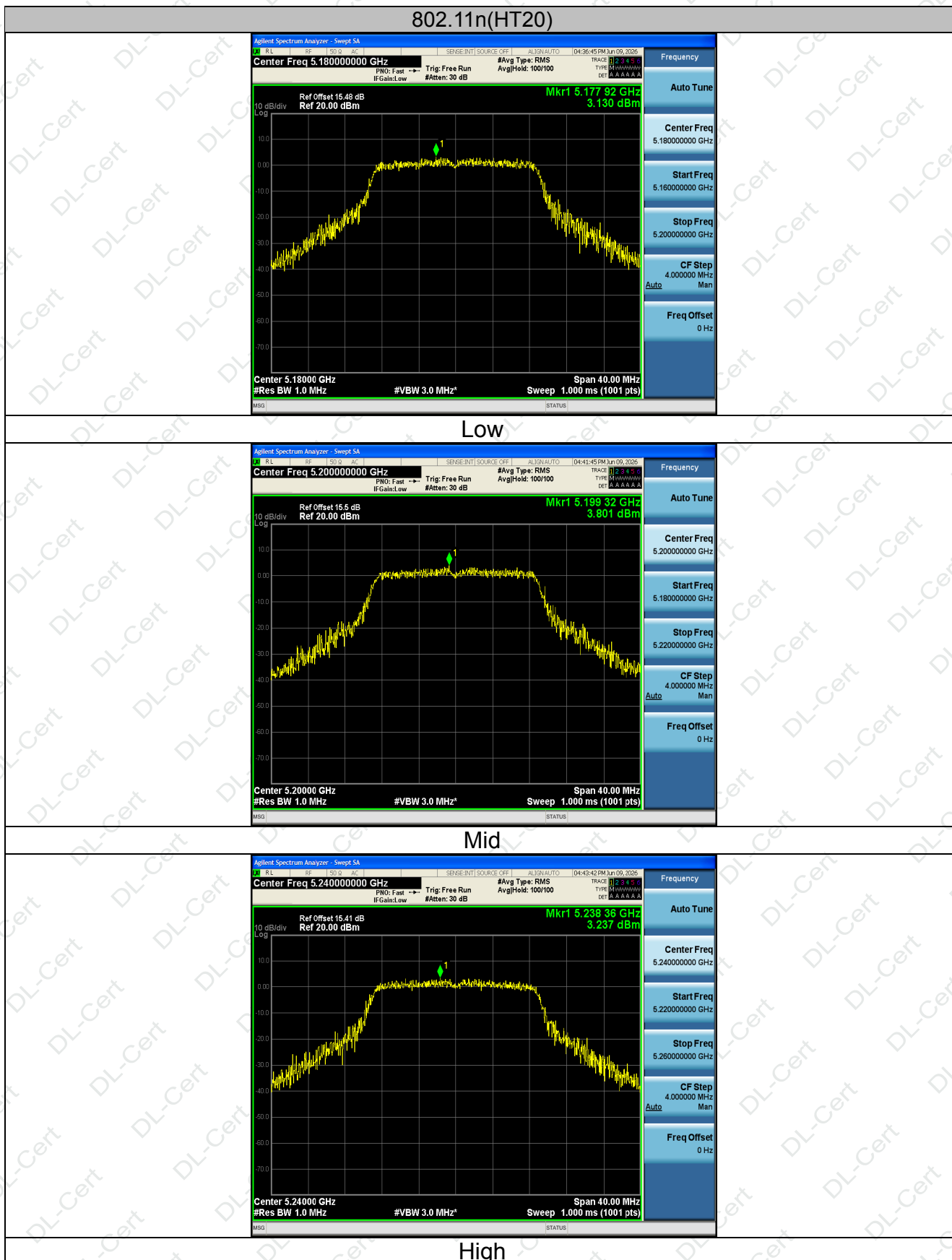


Test plots as follows:
Band I (5150 – 5250MHz)



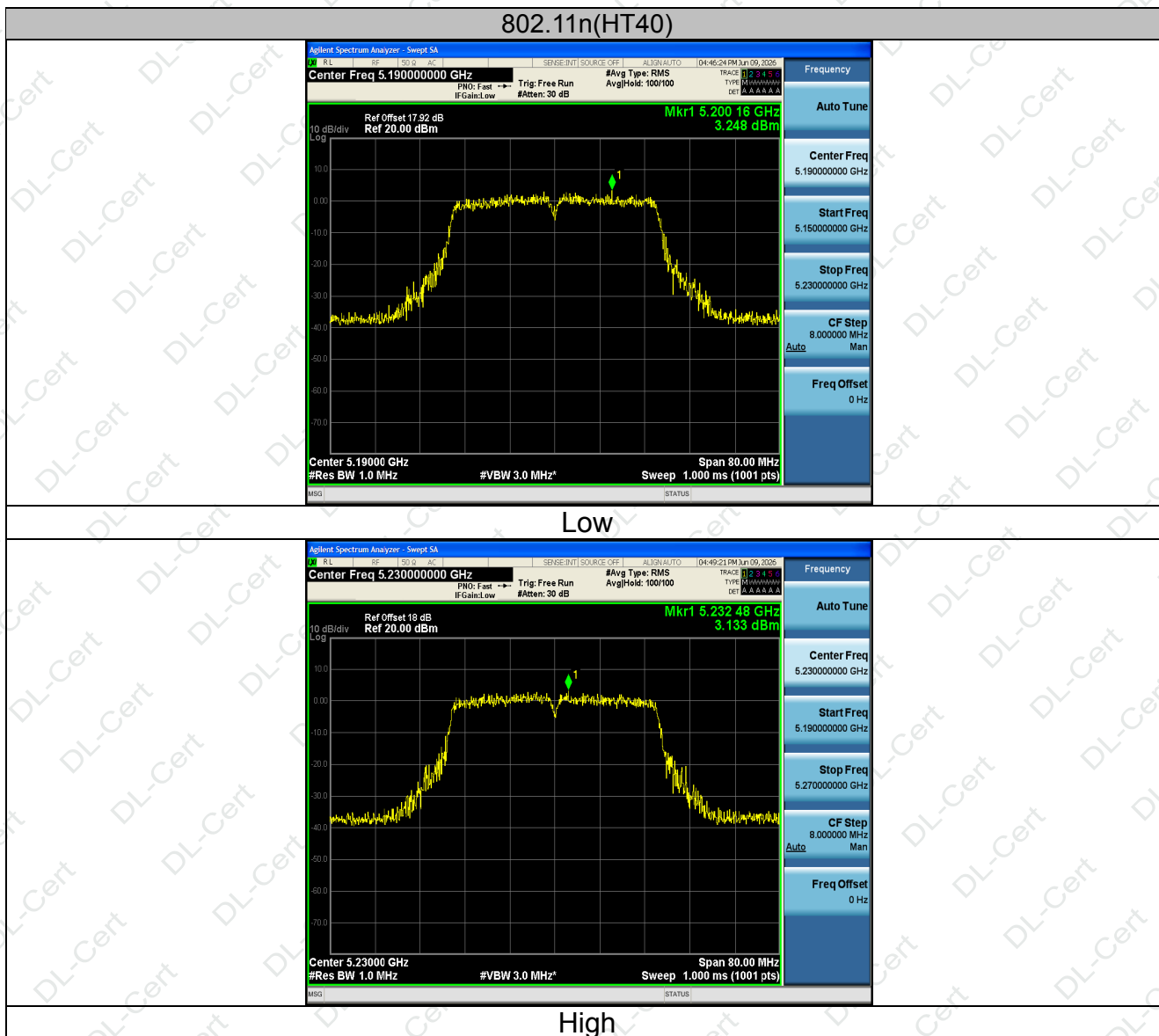


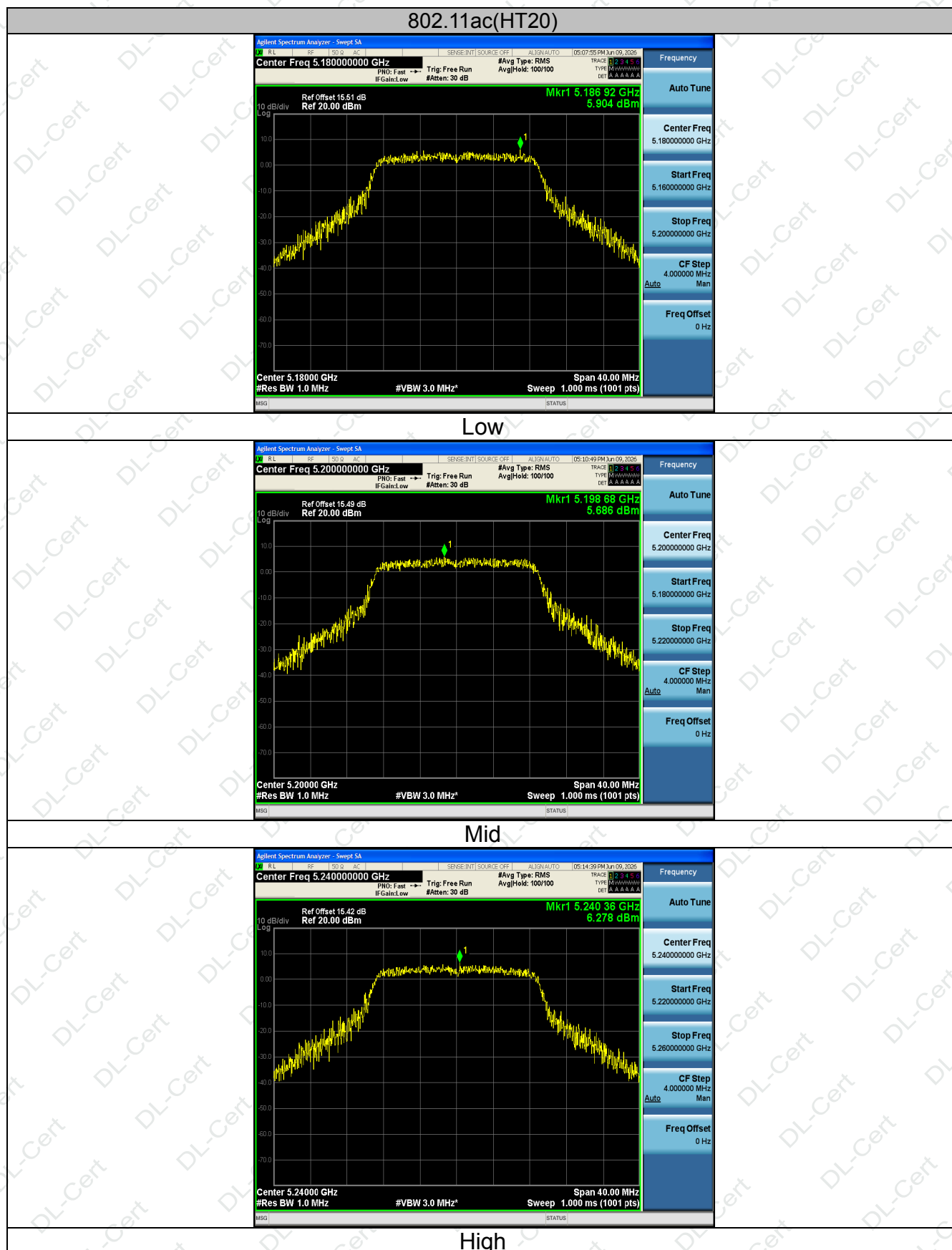
802.11n(HT20)





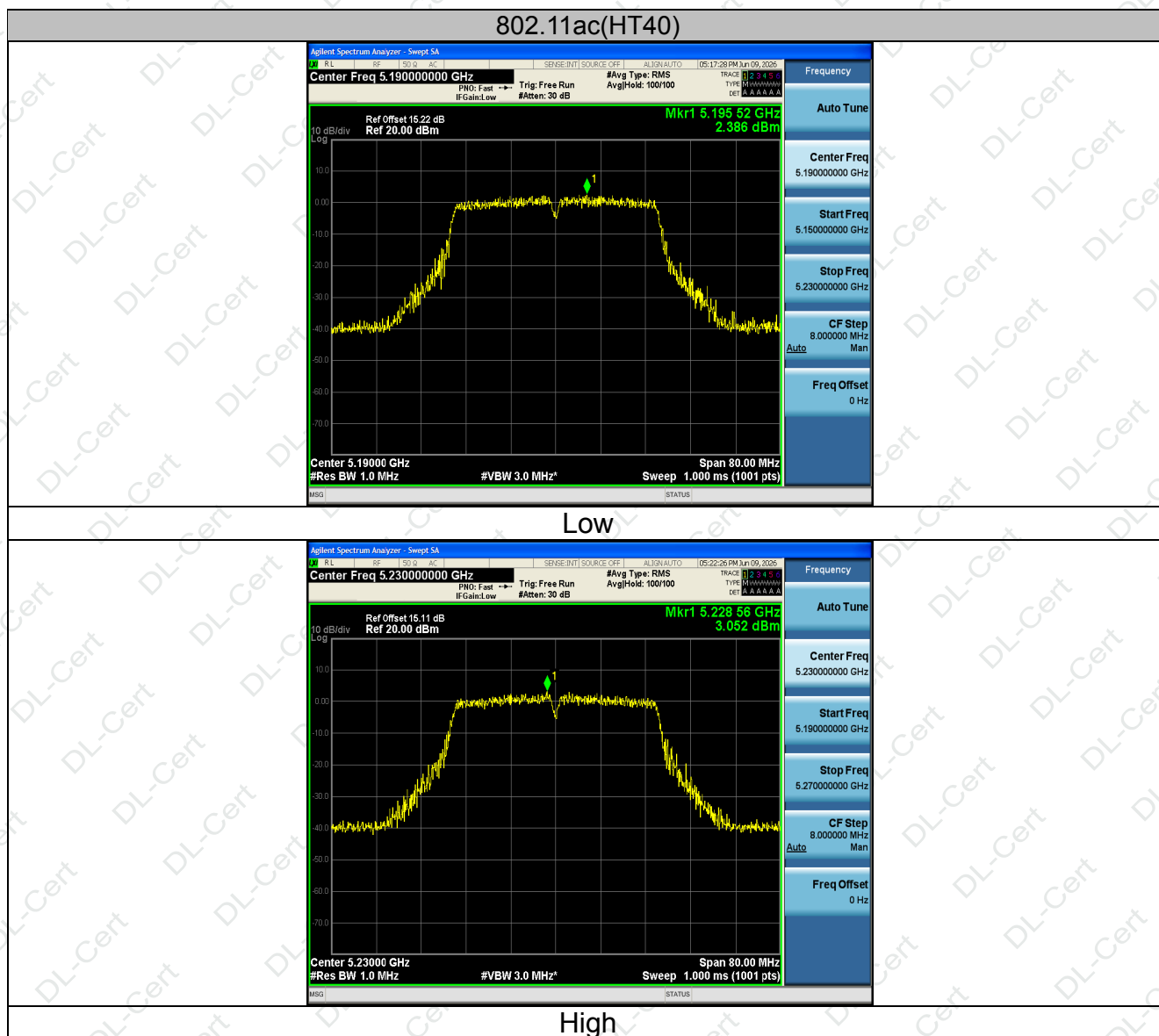
802.11n(HT40)

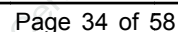






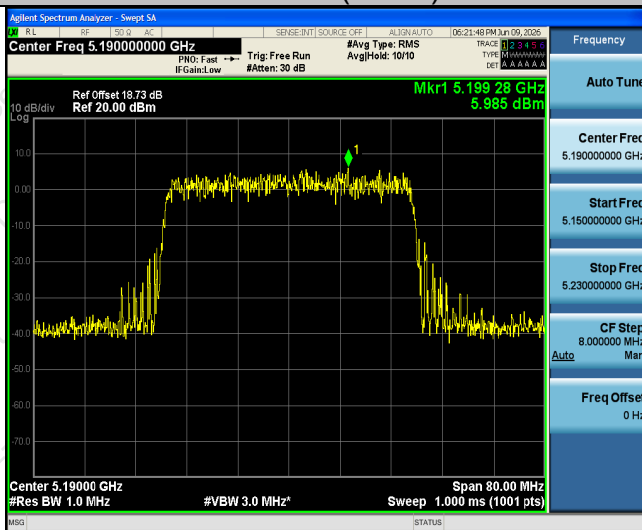
802.11ac(HT40)



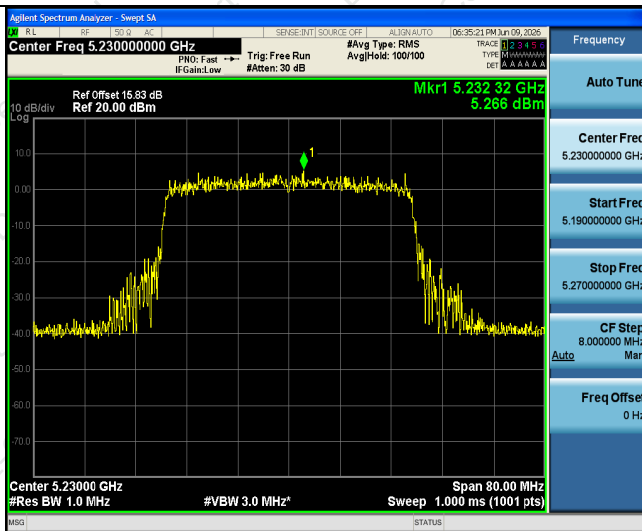




802.11ax(HE40)



Low



High



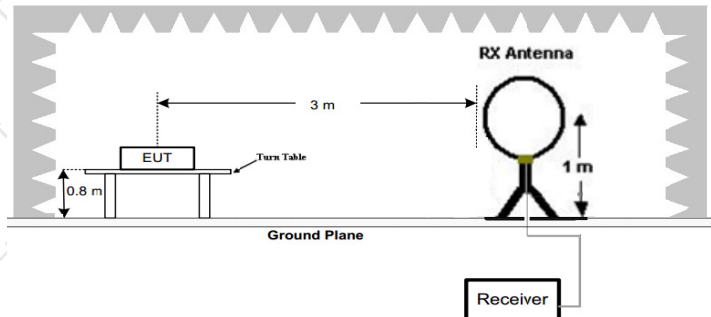
4.5 Spurious Emission

4.5.1 Test Specification

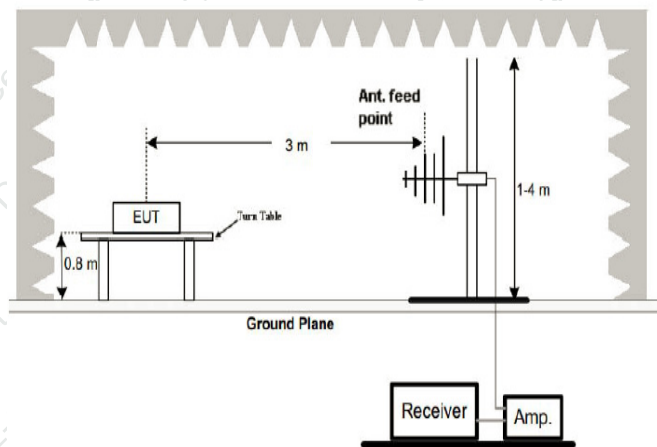
Test Requirement:	FCC CFR47 Part 15 Section 15.407				
Test Method:	KDB 789033 D02 v02r01				
Frequency Range:	9kHz to 40GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	(1) 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. (i) 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. The limit of frequency below 1GHz and which fall in restricted bands should complies 15.209.				

**Test Setup:**

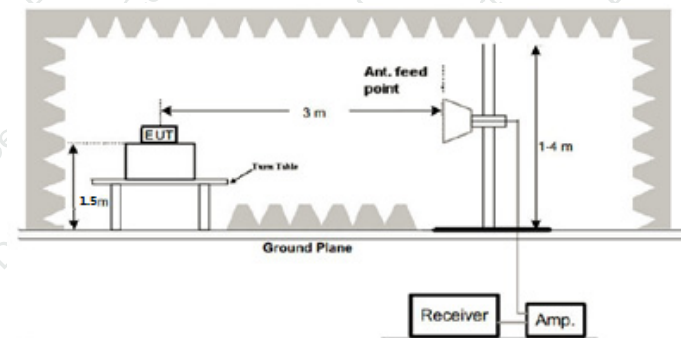
For Radiated Emissions below 30MHz



30MHz to 1GHz



Above 1GHz



**Test Procedure:**

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Test Results:

PASS

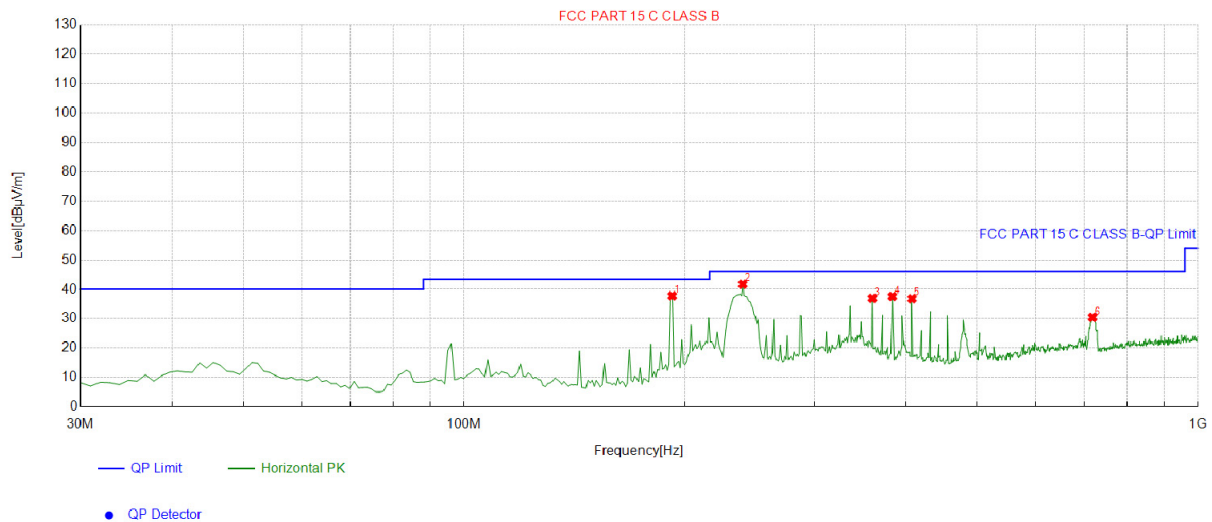


4.5.2 Test Data

Below 1GHz Test Results

All the test modes completed for test. Only the worst mode of 802.11a low channel TX is reflected.

Antenna polarity: Horizontal



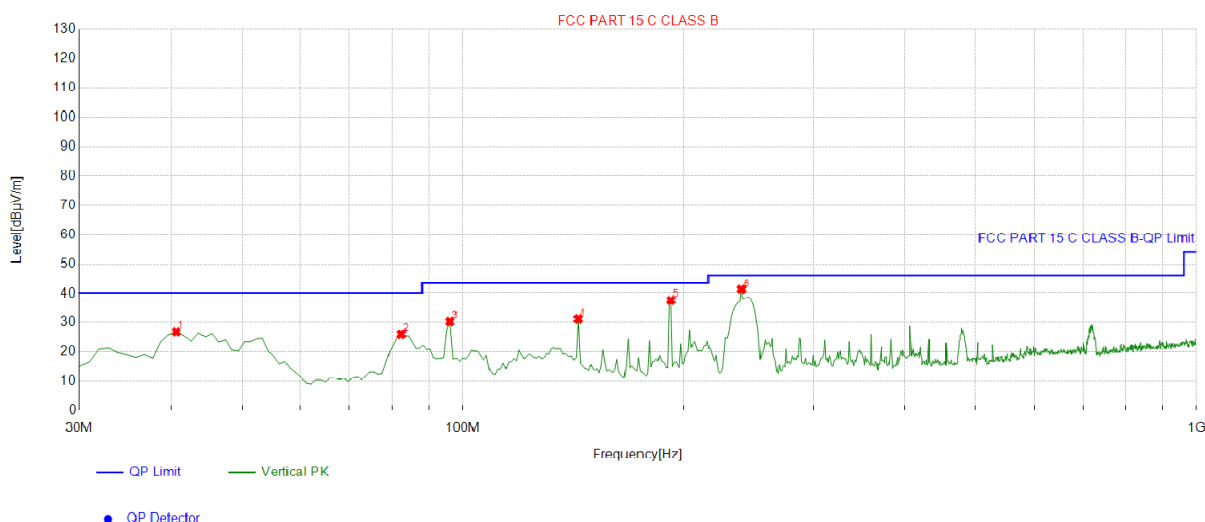
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	192.152	-15.24	53.02	37.78	43.50	5.72	100	144	Horizontal
2	239.730	-13.51	55.26	41.75	46.00	4.25	100	176	Horizontal
3	360.130	-10.47	47.43	36.96	46.00	9.04	100	201	Horizontal
4	383.433	-10.18	47.77	37.59	46.00	8.41	100	191	Horizontal
5	407.708	-9.42	46.23	36.81	46.00	9.19	100	184	Horizontal
6	718.418	-3.94	34.42	30.48	46.00	15.52	100	66	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.681	-13.43	40.27	26.84	40.00	13.16	100	59	Vertical
2	82.432	-18.34	44.33	25.99	40.00	14.01	100	119	Vertical
3	96.026	-15.16	45.50	30.34	43.50	13.16	100	129	Vertical
4	143.604	-18.41	49.63	31.22	43.50	12.28	100	76	Vertical
5	192.152	-15.24	52.89	37.65	43.50	5.85	100	34	Vertical
6	239.730	-13.51	54.85	41.34	46.00	4.66	100	133	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Harmonics and Spurious Emissions Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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--	--	--
--	--	--
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Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

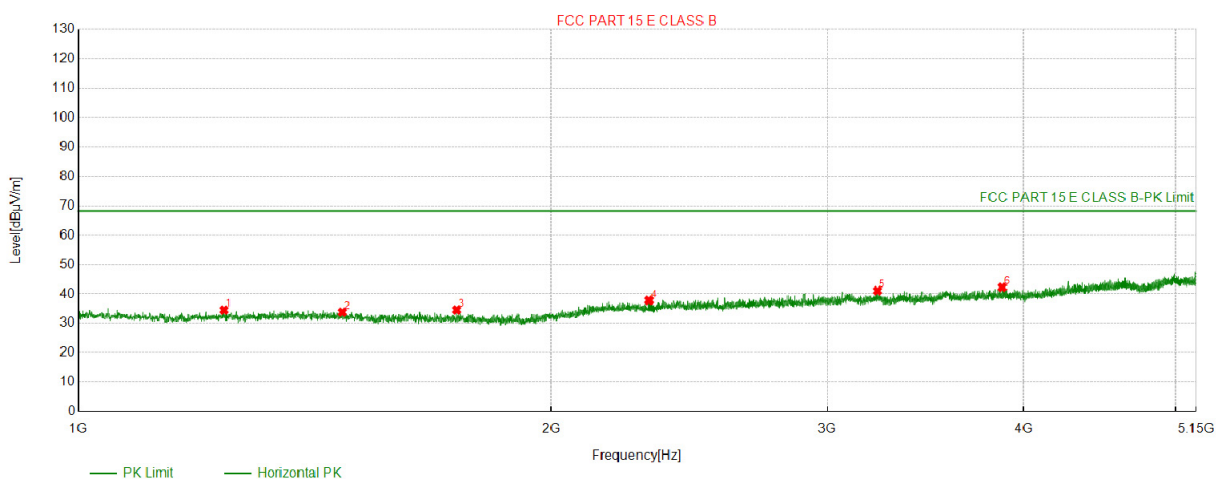


Above 1GHz Test Results

All the test modes completed for test. Only the worst mode of 802.11a low channel TX is reflected.

For 1GHz to 5.15GHz

Antenna polarity: Horizontal

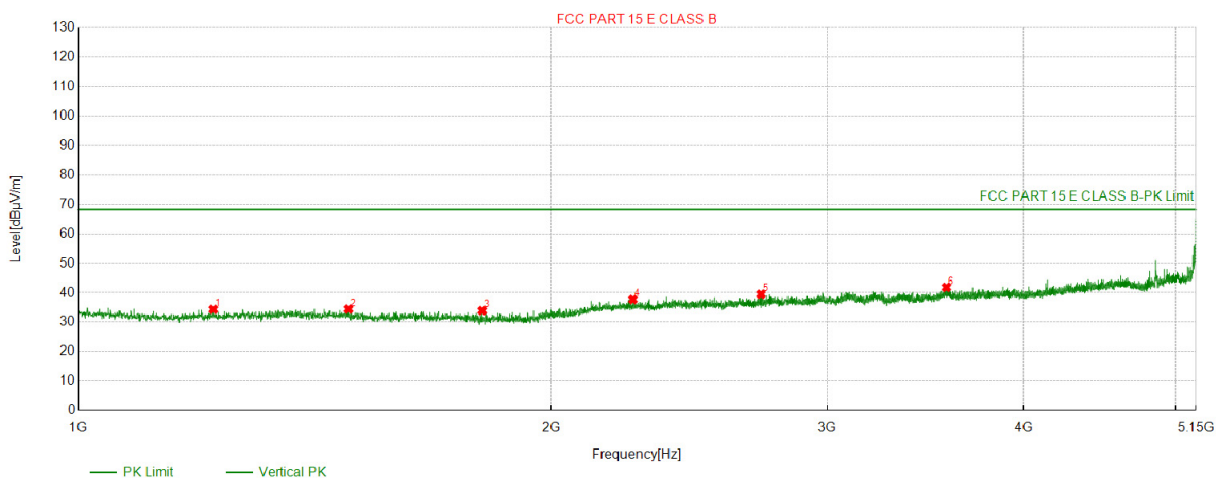


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1238.234	53.20	34.54	-18.66	68.20	33.66	150	210	Horizontal
2	1472.732	52.15	33.81	-18.34	68.20	34.39	150	230	Horizontal
3	1741.264	52.78	34.58	-18.20	68.20	33.62	150	20	Horizontal
4	2309.041	52.80	37.85	-14.95	68.20	30.35	150	200	Horizontal
5	3227.528	53.75	41.09	-12.66	68.20	27.11	150	180	Horizontal
6	3876.653	52.17	42.29	-9.88	68.20	25.91	150	140	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



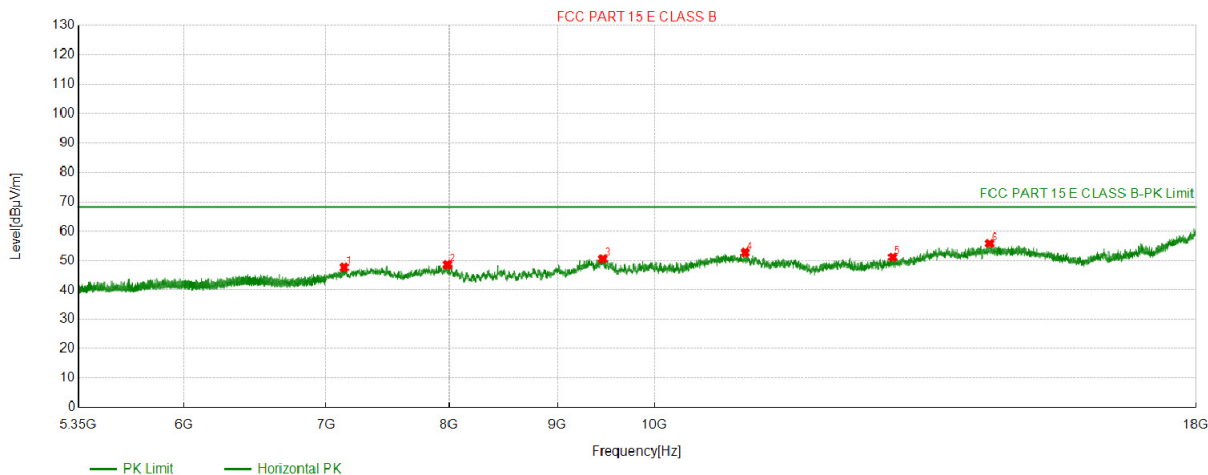
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1218.727	53.16	34.39	-18.77	68.20	33.81	150	40	Vertical
2	1486.014	52.90	34.49	-18.41	68.20	33.71	150	140	Vertical
3	1808.086	51.85	33.95	-17.90	68.20	34.25	150	0	Vertical
4	2255.086	52.55	37.74	-14.81	68.20	30.46	150	330	Vertical
5	2721.592	53.45	39.51	-13.94	68.20	28.69	150	40	Vertical
6	3572.012	52.88	41.83	-11.05	68.20	26.37	150	0	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



For 5.35GHz to 18GHz

Antenna polarity: Horizontal

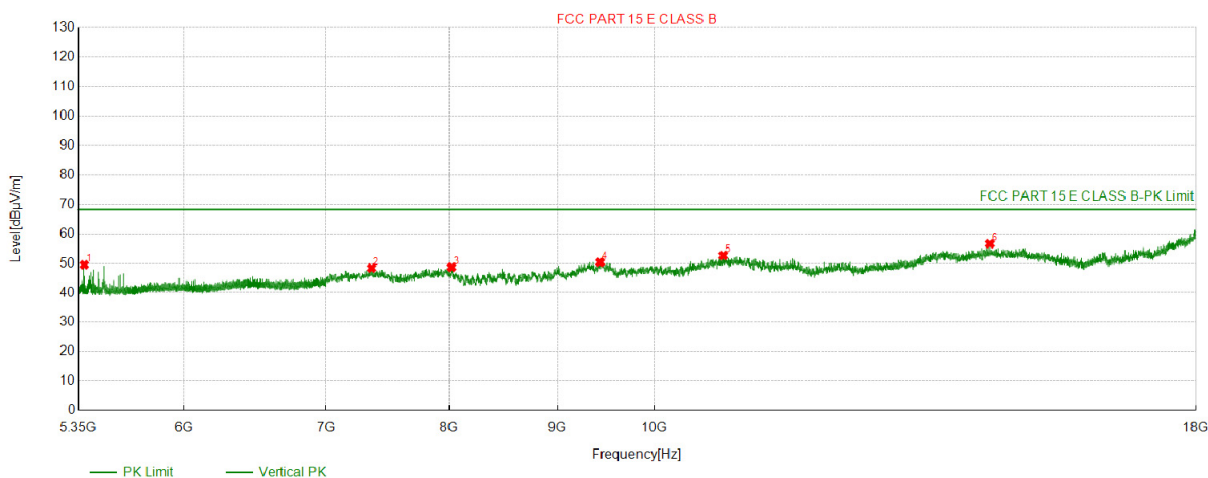


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7139.714	51.12	47.66	-3.46	68.20	20.54	150	321	Horizontal
2	7985.699	50.41	48.56	-1.85	68.20	19.64	150	285	Horizontal
3	9453.245	50.33	50.57	0.24	68.20	17.63	150	22	Horizontal
4	11035.204	49.98	52.71	2.73	68.20	15.49	150	72	Horizontal
5	12950.495	48.36	51.14	2.78	68.20	17.06	150	276	Horizontal
6	14387.239	48.41	55.77	7.36	68.20	12.43	150	356	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



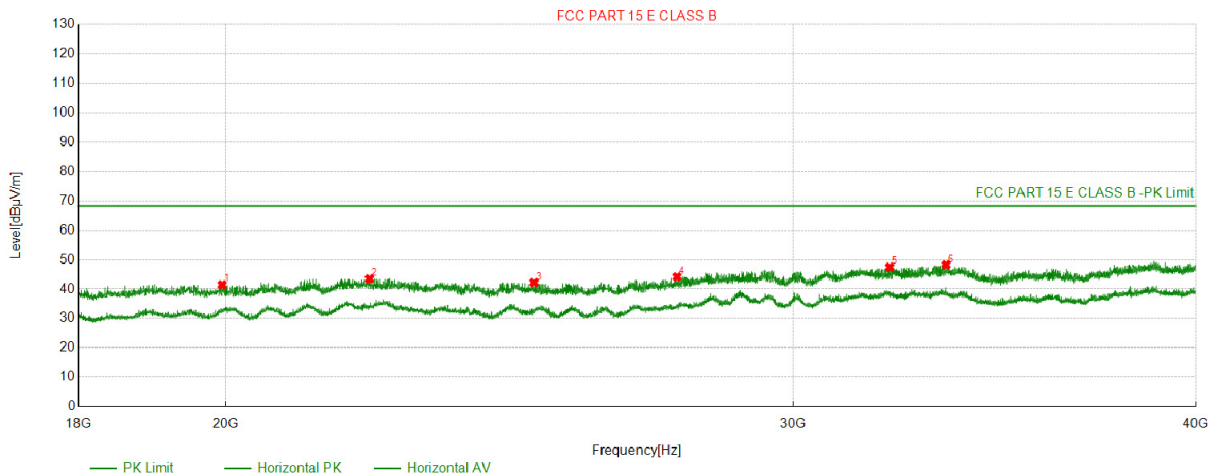
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5383.828	58.62	49.49	-9.13	68.20	18.71	150	39	Vertical
2	7354.235	51.50	48.36	-3.14	68.20	19.84	150	5	Vertical
3	8022.002	50.44	48.63	-1.81	68.20	19.57	150	73	Vertical
4	9425.743	50.29	50.38	0.09	68.20	17.82	150	55	Vertical
5	10774.477	50.59	52.63	2.04	68.20	15.57	150	196	Vertical
6	14391.639	49.26	56.64	7.38	68.20	11.56	150	91	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



For 18GHz to 40GHz

Antenna polarity: Horizontal

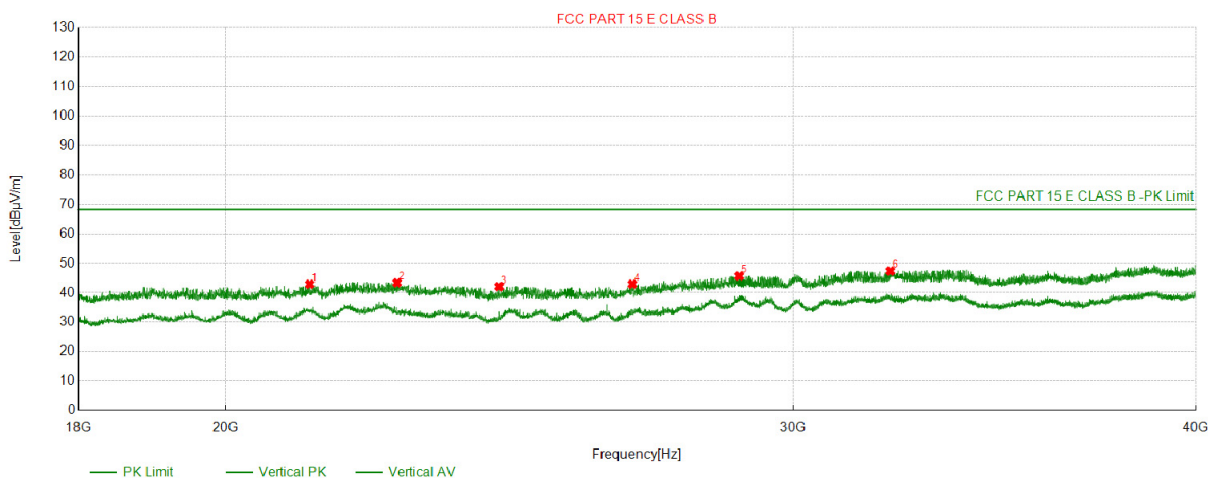


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19947.195	35.24	41.43	6.19	68.20	26.77	150	90	Horizontal
2	22160.616	37.73	43.47	5.74	68.20	24.73	150	260	Horizontal
3	24926.293	35.87	42.19	6.32	68.20	26.01	150	230	Horizontal
4	27608.361	35.88	44.16	8.28	68.20	24.04	150	230	Horizontal
5	32138.614	37.48	47.41	9.93	68.20	20.79	150	100	Horizontal
6	33458.746	37.30	48.22	10.92	68.20	19.98	150	360	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Antenna polarity: Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	21236.524	37.62	42.90	5.28	68.20	25.30	150	270	Vertical
2	22602.860	37.79	43.39	5.60	68.20	24.81	150	130	Vertical
3	24312.431	36.56	42.10	5.54	68.20	26.10	150	10	Vertical
4	26739.274	35.64	42.93	7.29	68.20	25.27	150	130	Vertical
5	28862.486	36.74	45.69	8.95	68.20	22.51	150	350	Vertical
6	32154.015	37.44	47.39	9.95	68.20	20.81	150	50	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level