

TEST REPORT

Report Number: 15605535-E13V3

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU
SUWON-SI, GYEONGGI-DO, 16677, KOREA

Model : SM-X626B

FCC ID : A3LSMX626B

EUT Description : GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII
a/b/g/n/ac/ax and Digitizer

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E

Date Of Issue:
2025-02-24

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025-02-14	Initial Issue	--
V2	2025-02-18	Section 6.3 Updated	Henry Lau
V3	2025-02-24	Section 1 Updated Section 10 Updated	Henry Lau Glenn Escano Gerardo Abrego

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU
SUWON-SI, GYEONGGI-DO, 16677, KOREA

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII
a/b/g/n/ac/ax and Digitizer

MODEL: SM-X626B

SERIAL NUMBER: Radiated: R32XC0006AD
Conducted: R32XC00055M

SAMPLE RECEIPT DATE: 2024-12-13

DATE TESTED: 2024-12-19 to 2025-02-24

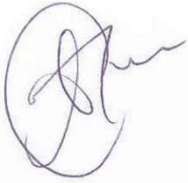
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released For
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2. TEST RESULT SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by.

Below is a list of the data provided by the customer:

- 1) Antenna gain and type (see section 6.3)
- 2) Cable Loss (see section 6.3)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 12.2.
See Comment	26dB BW/99% OBW	Reporting purposes only	Per ANSI C63.10 Sections 6.9.2 and 6.9.3
15.407 (e)	6 dB BW	Complies	None.
15.407 (a) (1-3), (h) (1)	Output Power	Complies	None.
15.407 (a) (1-3, 5)	PSD	Complies	None.
15.209, 15.205, 15.407 (b)(1-5)	Radiated Emissions	Complies	None.
15.207	AC Mains Conducted Emissions	Complies	None.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with:

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15E
- FCC KDB 662911 Measurement of Transmitters with Multiple Output, MIMO
- FCC KDB 905462 D02/D03/D06
- FCC KDB 789033 D02 UNII Test Procedures New Rules
- FCC KDB 414788 D01 Radiated Test Site
- FCC KDB 291074 D02 EMC Measurement v01 for 5.9GHz Device
- ANSI C63.10-2020

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Power Spectral Density	2.47 dB
RF Power Measurement Direct Method Using Power Meter	1.3 dB (PK) / 0.45 dB (AV)
Unwanted Emissions, Conducted	1.94 dB
Worst Case Conducted Disturbance, 9kHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9kHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB
Time Domain Measurements	3.39%
Temperature	0.57°C
Relative Humidity	3.39%
DC Supply Voltages	0.57%

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable
Loss (dB) – Preamp Gain (dB)

$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) +
LISN Insertion Loss.

$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII a/b/g/n/ac/ax and Digitizer.

This report covers ax 5GHz Wifi radio

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

5.2GHz BAND 802.11 ax MODE 2TX

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.2 GHz band, 2TX CDD			
5180-5240	802.11ax HE20 SU	18.29	67.45
	802.11ax HE20 OFDMA, 242-Tones	13.61	22.96
	802.11ax HE20 OFDMA, 106-Tones	13.55	22.65
	802.11ax HE20 OFDMA, 52-Tones	13.43	22.03
	802.11ax HE20 OFDMA, 26-Tones	13.49	22.34
5190-5230	802.11ax HE40 SU	15.67	36.90
	802.11ax HE40 OFDMA, 484-Tones	12.91	19.54
5210	802.11ax HE80 SU	13.94	24.77
	802.11ax HE80 OFDMA, 996-Tones	11.36	13.68

5.3GHz BAND 802.11 ax MODE 2TX

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.3 GHz band, 2TX CDD			
5260-5320	802.11ax HE20 SU	17.74	59.43
	802.11ax HE20 OFDMA, 242-Tones	13.07	20.28
	802.11ax HE20 OFDMA, 106-Tones	13.26	21.18
	802.11ax HE20 OFDMA, 52-Tones	13.27	21.23
	802.11ax HE20 OFDMA, 26-Tones	13.18	20.80
5270-5310	802.11ax HE40 SU	16.18	41.50
	802.11ax HE40 OFDMA, 484-Tones	12.94	19.68
5290	802.11ax HE80 SU	13.88	24.43
	802.11ax HE80 OFDMA, 996-Tones	11.99	15.81

5.6GHz BAND 802.11 ax MODE 2TX

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.6 GHz band, 2TX CDD			
5500-5720	802.11ax HE20 SU	18.55	71.61
	802.11ax HE20 OFDMA, 242-Tones	13.99	25.06
	802.11ax HE20 OFDMA, 106-Tones	13.99	25.06
	802.11ax HE20 OFDMA, 52-Tones	13.85	24.27
	802.11ax HE20 OFDMA, 26-Tones	13.98	25.00
5510-5710	802.11ax HE40 SU	16.39	43.55
	802.11ax HE40 OFDMA, 484-Tones	12.96	19.77
5530-5690	802.11ax HE80 SU	15.73	37.41
	802.11ax HE80 OFDMA, 996-Tones	11.71	14.83

5.8GHz BAND 802.11 ax MODE 2TX

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.8 GHz band, 2TX CDD			
5745-5825	802.11ax HE20 SU	16.18	41.50
	802.11ax HE20 OFDMA, 242-Tones	13.87	24.38
	802.11ax HE20 OFDMA, 106-Tones	13.91	24.60
	802.11ax HE20 OFDMA, 52-Tones	13.91	24.60
	802.11ax HE20 OFDMA, 26-Tones	13.93	24.72
5755-5795	802.11ax HE40 SU	15.79	37.93
	802.11ax HE40 OFDMA, 484-Tones	12.65	18.41
5775	802.11ax HE80 SU	14.11	25.76
	802.11ax HE80 OFDMA, 996-Tones	11.96	15.70

5.9GHz BAND 802.11 ax MODE 2TX

The transmitter has a maximum EIRP as follows:

Frequency Range (MHz)	Mode	EIRP Output Power (dBm)	EIRP Output Power (mW)
5.9 GHz band, 2TX CDD			
5845-5885	802.11ax HE20 SU	14.43	27.73
	802.11ax HE20, 242-Tones	9.86	9.68
	802.11ax HE20, 106-Tones	9.87	9.71
	802.11ax HE20, 52-Tones	9.83	9.62
	802.11ax HE20, 26-Tones	9.87	9.71
5835-5875	802.11ax HE40 SU	12.77	18.92
	802.11ax HE40, 484-Tones	8.90	7.76
5855	802.11ax HE80 SU	11.20	13.18
	802.11ax HE80, 996-Tones	7.04	5.06

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

The antenna(s) gain, type and cable loss, as provided by the manufacturer' are as follows:

Frequency Band (GHz)	Antenna Type	Antenna 1	Antenna 2
		Antenna Gain (dBi)	Antenna Gain (dBi)
5180-5240	Internal	-3.2	-3
5260-5320		-3	-3.4
5500-5720		-3.3	-3.8
5745-5825		-3.9	-3.8
5845-5885		-4.5	-3.6

Cable Losses provided below.

Frequency (GHz)		Insertion Loss				
		#1	#2	#3	#4	#5
1	0.80	-0.350	-0.380	-0.375	-0.368	-0.347
2	0.90	-0.379	-0.408	-0.405	-0.397	-0.376
3	1.70	-0.527	-0.560	-0.555	-0.549	-0.529
4	1.80	-0.560	-0.591	-0.585	-0.587	-0.563
5	1.90	-0.570	-0.627	-0.594	-0.598	-0.574
6	2.00	-0.593	-0.649	-0.620	-0.628	-0.599
7	2.10	-0.620	-0.676	-0.646	-0.653	-0.624
8	2.50	-0.661	-0.708	-0.681	-0.683	-0.656
9	2.60	-0.730	-0.762	-0.736	-0.741	-0.709
10	2.70	-0.709	-0.764	-0.721	-0.725	-0.694
11	3.40	-0.811	-0.850	-0.830	-0.874	-0.816
12	3.50	-0.901	-0.940	-0.913	-0.958	-0.898
13	3.60	-0.896	-0.932	-0.900	-0.934	-0.887
14	3.70	-0.858	-0.906	-0.865	-0.881	-0.849
15	3.80	-0.775	-0.847	-0.802	-0.809	-0.787
16	3.90	-0.827	-0.889	-0.852	-0.850	-0.382
17	4.70	-0.684	-0.776	-0.726	-0.718	-0.710
18	4.80	-0.859	-0.899	-0.881	-0.921	-0.867
19	4.90	-1.064	-1.052	-1.053	-1.135	-1.046
20	5.00	-1.222	-1.180	-1.152	-1.254	-1.166
21	5.10	-1.129	-1.111	-1.037	-1.115	-1.067
22	5.50	-1.139	-1.291	-1.292	-1.294	-1.190
23	5.60	-1.106	-1.271	-1.238	-1.238	-1.153
24	5.70	-1.036	-1.182	-1.137	-1.146	-1.076
25	6.00	-1.002	-1.065	-1.047	-1.067	-1.016
26	6.50	-1.007	-1.073	-1.033	-1.035	-1.017
27	7.00	-1.311	-1.353	-1.389	-1.486	-1.349
28	7.25	-1.325	-1.303	-1.347	-1.437	-1.337
29	7.50	-1.147	-1.222	-1.226	-1.206	-1.209

6.4. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

For all modes, tests were performed with the EUT set at the 2Tx MIMO mode with power setting equal to SISO modes as the worst case scenario thus MIMO is representative of SISO.

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle and high channels.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that Y orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Y orientation.

Worst-case data rates as provided by the client were:

802.11ax HE20 mode: MCS0
802.11ax HE40 mode: MCS0
802.11ax HE80 mode: MCS0

Plots included in the report are representative of the method and settings parameters used for the test.

6.5. TEST REDUCTIONS CASES

Testing was performed at 802.11ax HE20 26T, 52T, 106T, 242T to cover HE40 26T, 52T, 106T and 242T due to HE40 26T, 52T, 106T, and 242T being the same or lower power

Testing was performed 802.11ax HE20 26T, 52T, 106T, 242T, HE40 484T to cover HE80 26T, 52T, 106T, 242T and 484T due to HE80 26T, 52T, 106T, 242T and 484T being the same or lower power.

For all tones, where applicable, each Low, Mid, High RU allocation is tested to their respective Low, Mid and High channel.

6dB Bandwidth:

- For OFDMA, the narrowest (26T) tone was tested as worst case.

Radiated Spurious Emissions

- The narrowest (26T) and widest SU mode were tested to cover HE20 52T, 106T, 242T, HE40 484T, and HE80 996T due to worst-case PSD and worst-case Power cases.

6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT				
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC
AC Adapter	Samsung	EP-TA800	R37WBAA004BDKA	N/A
S-Pen	Samsung	N/A	N/A	N/A
Keyboard	Samsung	DX625	N/A	N/A

I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	SMA Cable	1	SMA	Shielded	1.0	Conducted Switch Box to Spectrum Analyzer
2	Antenna	2	RF	Unshielded	0.2	EUT to Coax cable
3	SMA Cable	2	SMA	Shielded	1.0	Coax Cable to Conducted Switch Box
4	USB-C	1	USB-C	Shielded	1	EUT to AC Mains

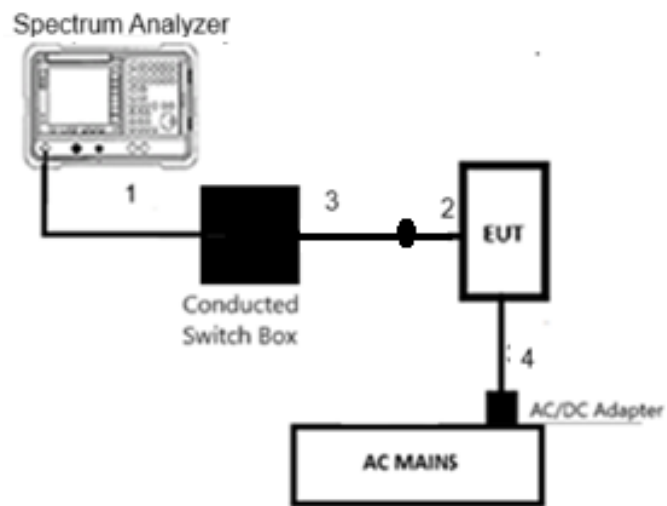
I/O CABLES (RF RADIATED and AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	1	N/A

TEST SETUP

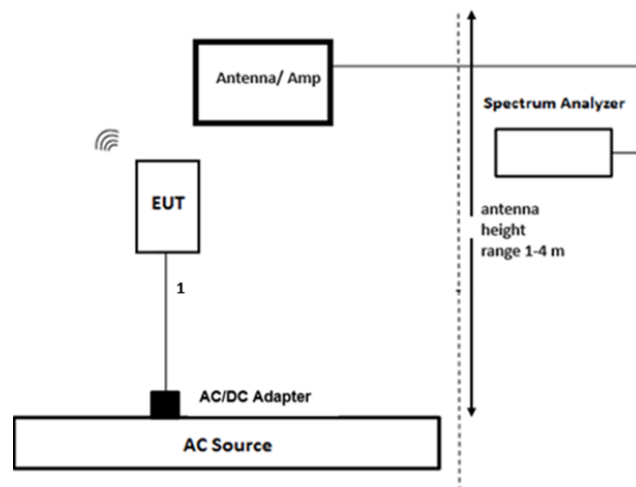
The EUT is a stand-alone device configured and tested in a worst-case setup. Worst case is using Y orientation with AC charger attached to the EUT. Test software exercised the radio card.

SETUP DIAGRAMS

Conducted Configuration



Radiated Configuration/AC Line



7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02, Section B.

6 dB Emission BW: KDB 789033 D02, Section C.2

26 dB Emission BW: KDB 789033 D02, Section C.1

99% Occupied BW: KDB 789033 D02, Section D.

Conducted Output Power: KDB 789033 D02, Section E.3.b (Method PM-G)

Power Spectral Density: KDB 789033 D02, Section F

Unwanted emissions in restricted bands: KDB 789033 D02, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10 Section 6.4

8. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO METRICS	EM-6871	219908	2025-05-31	2023-05-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO METRICS	EM-6872	219910	2025-05-31	2023-05-31
Antenna, Broadband Hybrid, 30MHz to 1000MHz	Sunol Sciences Corp.	JB1	80293	2025-04-30	2023-04-11
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	170647	2025-03-31	2024-03-25
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80707	2025-06-30	2024-06-07
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206808	2025-04-30	2024-04-23
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	79834	2026-07-31	2024-07-09
RF Filter Box, 1-18GHz	UL-FR1	n/a	171875	2025-03-31	2024-03-23
RF Filter Box, 1-18GHz	UL-FR1	SAC 8 port rf box 1	197920	2025-03-31	2024-03-30
RF Filter Box, 1-18GHz	UL-FR1	SAC 8 port rf box 1	237579	2025-10-31	2024-10-03
EMI TEST RECEIVER, with B8 option	Rohde & Schwarz	ESW44	245268	2025-02-28	2024-02-15
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	225688	2025-02-28	2024-02-11
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	2025-02-28	2024-02-11
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199658	2025-02-28	2024-02-02
Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB	AMPLICAL	AMP18G26.5- 60	234683	2025-05-31	2024-05-13
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	199660	2026-02-28	2024-02-02
RF Device, Active, Amplifier	AMPLICAL	AMP26G40- 60	224141	2025-01-31*	2023-01-25
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80396	2025-02-28	2024-02-21
Conducted Switch Box	N/A	CSB	245774	2025-05-31	2024-05-16
Power Meter, P-series single channel	Keysight Technologies Inc	N1921A	90391	2025-06-30	2024-06-17
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1911A	90754	2025-01-31*	2024-01-25
AC Line Conducted					
LISN	Fischer Custom Communications, Inc	FCC-LISN- 50/250-25-2- 01-480V	175765	2026-01-31	2025-01-28
EMI TEST RECEIVER	Rohde & Schwarz	ESR	171646	2025-02-28	2024-02-27
Transient Limiter	TE	TBFL1	207996	2025-09-30	2024-09-24
UL TEST SOFTWARE LIST					
Radiated Software	UL	UL EMC	Ver 2024-08-15, 2023-03, 2023-05-01		
Antenna Port Software	UL	UL RF	Ver 2022-08-16		
AC Line Conducted Software	UL	UL EMC	Rev 9.5, 2023-03		

*Tests performed within cal date.

9.2. 26 dB BANDWIDTH & 6 dB BANDWIDTH

26dB BANDWIDTH LIMITS

None; for reporting purposes only.

6 dB BANDWIDTH LIMITS

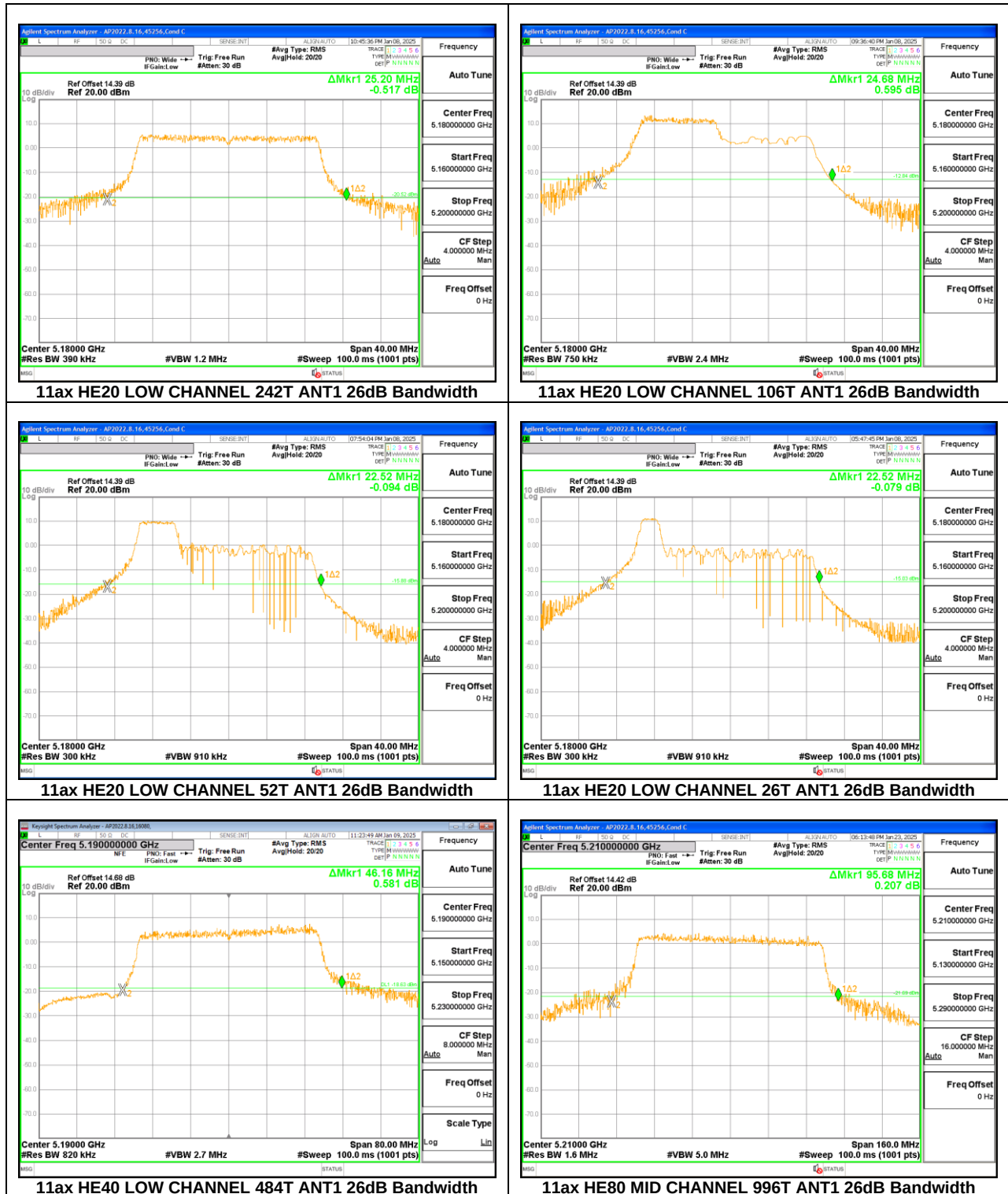
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

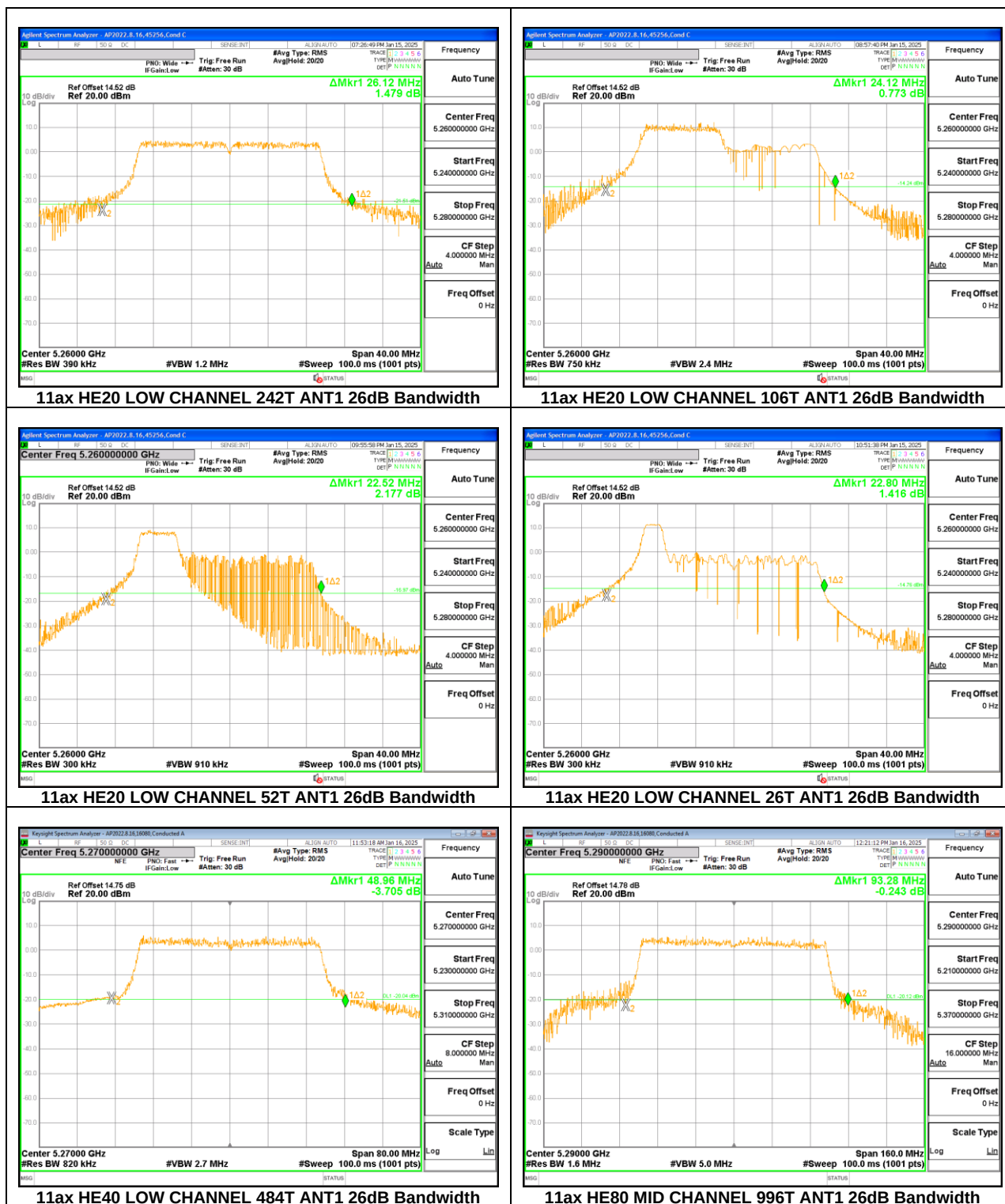
9.2.1. 5.2 GHz BAND

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	26dB Bandwidth (MHz)	
							Ant1	Ant2
5.2	2	11ax HE20	36	5180	SU		25.28	25.24
			40	5200			25.56	24.76
			48	5240			24.44	23.92
			36	5180	242T	61	25.20	25.56
			40	5200			25.84	25.60
			48	5240			24.88	25.40
			36	5180	106T	53	24.68	23.88
			40	5200			24.00	23.88
			48	5240		54	23.12	24.84
			36	5180	52T	37	22.52	22.00
			40	5200		38	18.92	18.64
			48	5240		40	22.28	21.72
			36	5180	26T	0	22.52	21.44
			40	5200		4	18.68	18.56
			48	5240		8	21.96	21.64
		11ax HE40	38	5190	SU		50.96	46.72
			46	5230			49.76	49.84
			38	5190	484T	65	46.16	44.88
			46	5230			60.88	60.08
		11ax HE80	42	5210	SU		98.56	100.16
			42	5210	996T	67	95.68	102.08



9.2.2. 5.3 GHz BAND

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	26dB Bandwidth (MHz)	
							Ant1	Ant2
5.3	2	11ax HE20	52	5260	SU		32.72	27.64
			60	5300			26.80	26.68
			64	5320			26.60	25.12
			52	5260	242T	61	26.12	26.00
			60	5300			26.64	27.92
			64	5320			26.32	24.72
			52	5260	106T	53	24.12	23.32
			60	5300			24.20	25.60
			64	5320		54	23.36	25.24
			52	5260	52T	37	22.52	21.84
			60	5300		38	18.92	18.52
			64	5320		40	21.92	21.96
			52	5260	26T	0	22.80	21.68
			60	5300		4	18.72	18.48
			64	5320		8	22.56	21.72
		11ax HE40	54	5270	SU		50.24	45.84
			62	5310			47.68	45.52
			54	5270	484T	65	48.96	47.76
			62	5310			48.00	47.04
		11ax HE80	58	5290	SU		92.80	93.92
			58	5290	996T	67	93.28	97.44



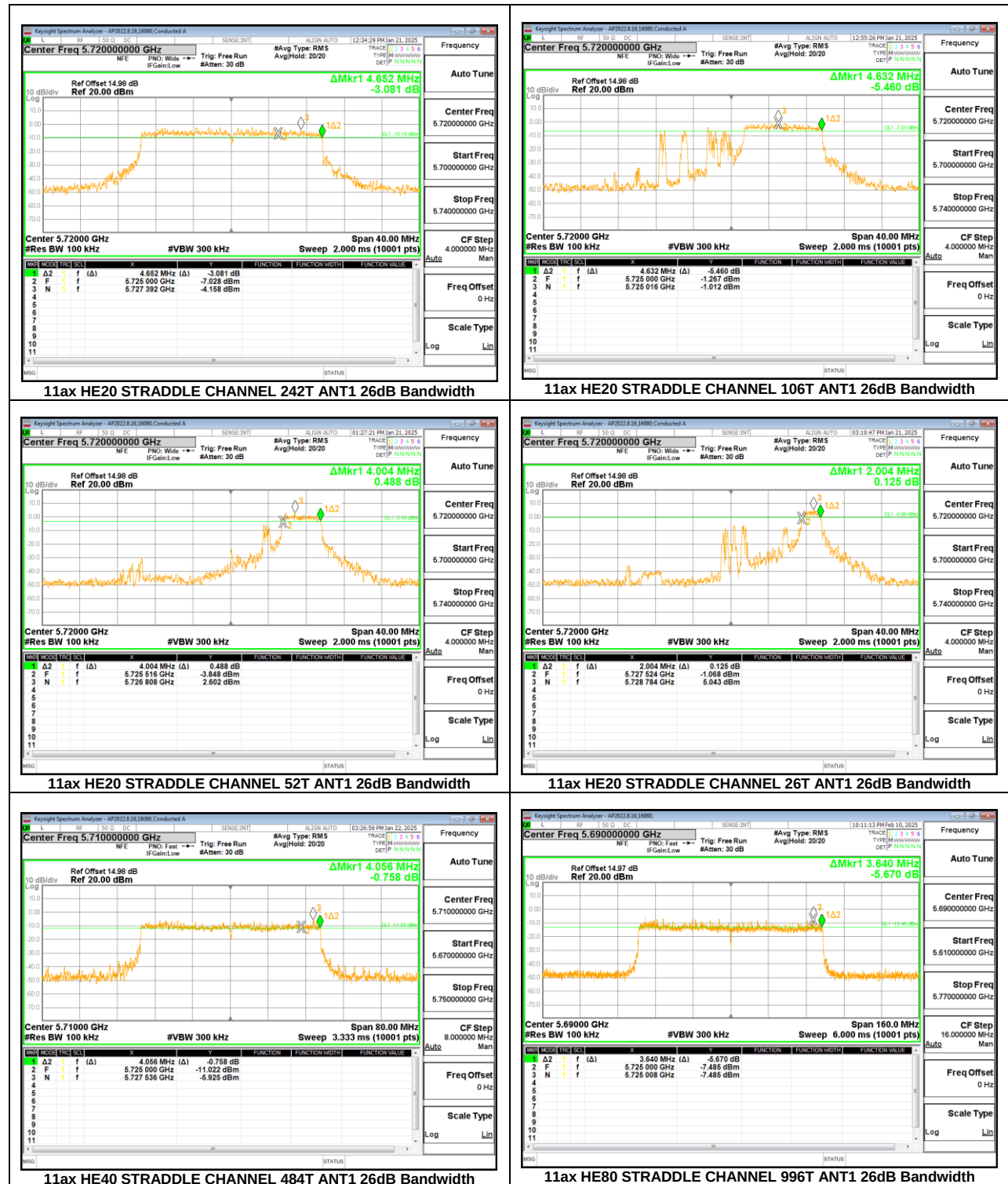
9.2.3. 5.6 GHz BAND

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	26dB Bandwidth (MHz)		6dB Bandwidth (MHz)		6dB Minimum Limit (MHz)
							Ant1	Ant2	Ant1	Ant2	
5.6	2	11ax HE20	100	5500	SU		25.28	25.80			
			116	5580			27.92	24.64			
			140	5700			28.00	27.84			
			144	5720			25.12	23.20	3.676	4.544	0.5
			100	5500	242T	61	25.72	25.84			
			116	5580			25.68	26.24			
			140	5700			25.84	26.96			
			144	5720			24.32	23.44	4.652	4.576	0.5
			100	5500	106T	53	24.52	25.68			
			116	5580			25.16	24.08			
			140	5700		54	23.68	24.72			
			144	5720			22.20	22.12	4.632	4.592	0.5
			100	5500	52T	37	23.16	21.60			
			116	5580		38	18.96	18.68			
			140	5700		40	22.88	21.76			
			144	5720			21.08	20.80	4.004	4.016	0.5
			100	5500	26T	0	22.32	21.60			
			116	5580		4	18.72	18.44			
			140	5700		8	22.40	21.72			
			144	5720			21.12	20.68	2.004	1.996	0.5
		11ax HE40	102	5510	SU		43.84	43.36			
			110	5550			44.56	43.68			
			134	5670			43.36	43.36			
			142	5710			44.08	42.72	4.048	4.064	0.5
			102	5510	484T	65	43.60	43.44			
			110	5550			45.68	44.72			
			134	5670			44.40	43.92			
			142	5710			44.08	44.96	4.056	4.016	0.5
		11ax HE80	106	5530	SU		87.68	86.24			
			122	5610			86.56	88.16			
			138	5690			86.88	87.20	4.024	3.992	0.5
			106	5530	996T	67	86.88	87.20			
			122	5610			86.40	87.20			
			138	5690			87.04	87.04	3.640	3.752	0.5

26dB Bandwidth

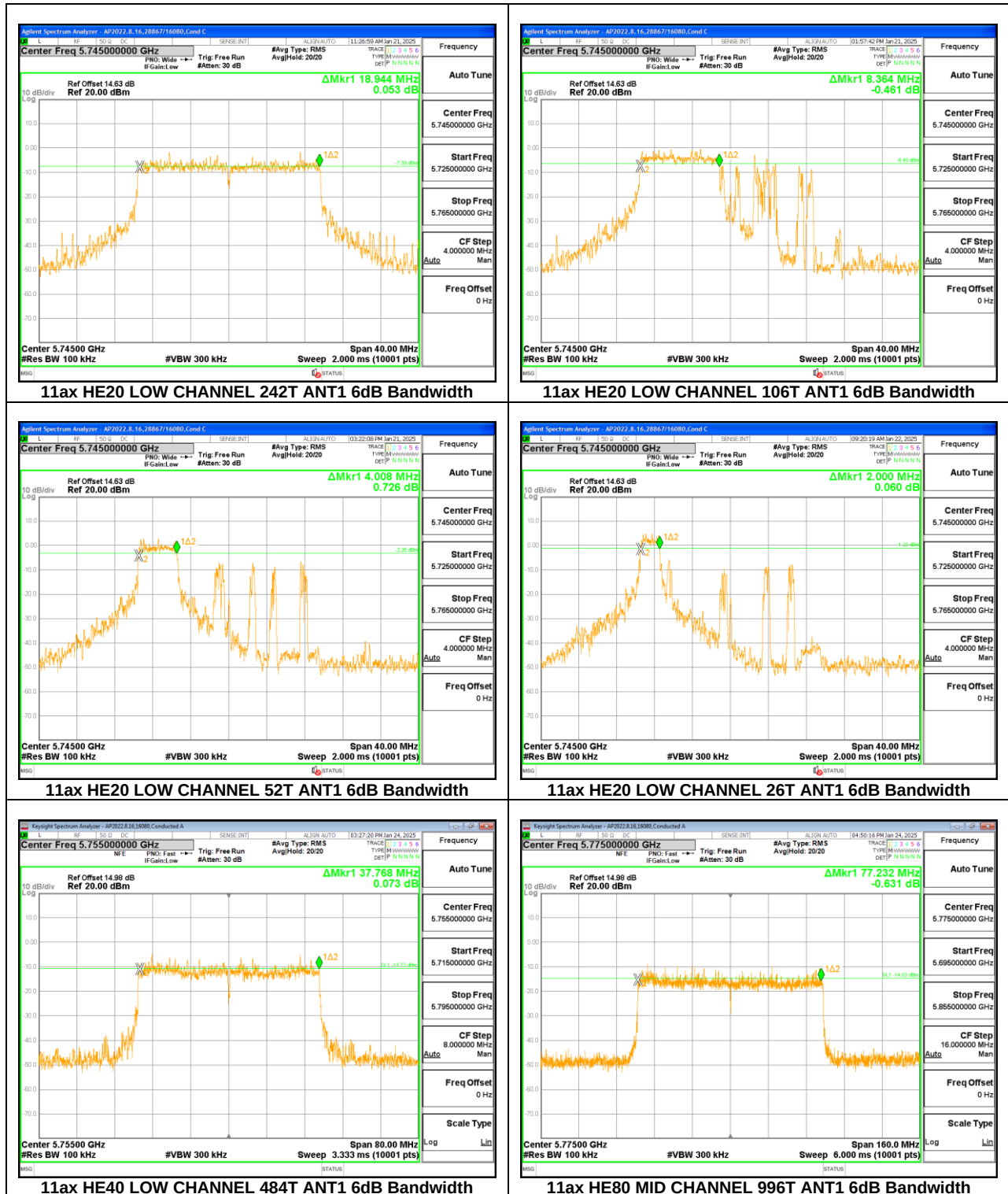


6dB Bandwidth



9.2.4. 5.8 GHz BAND

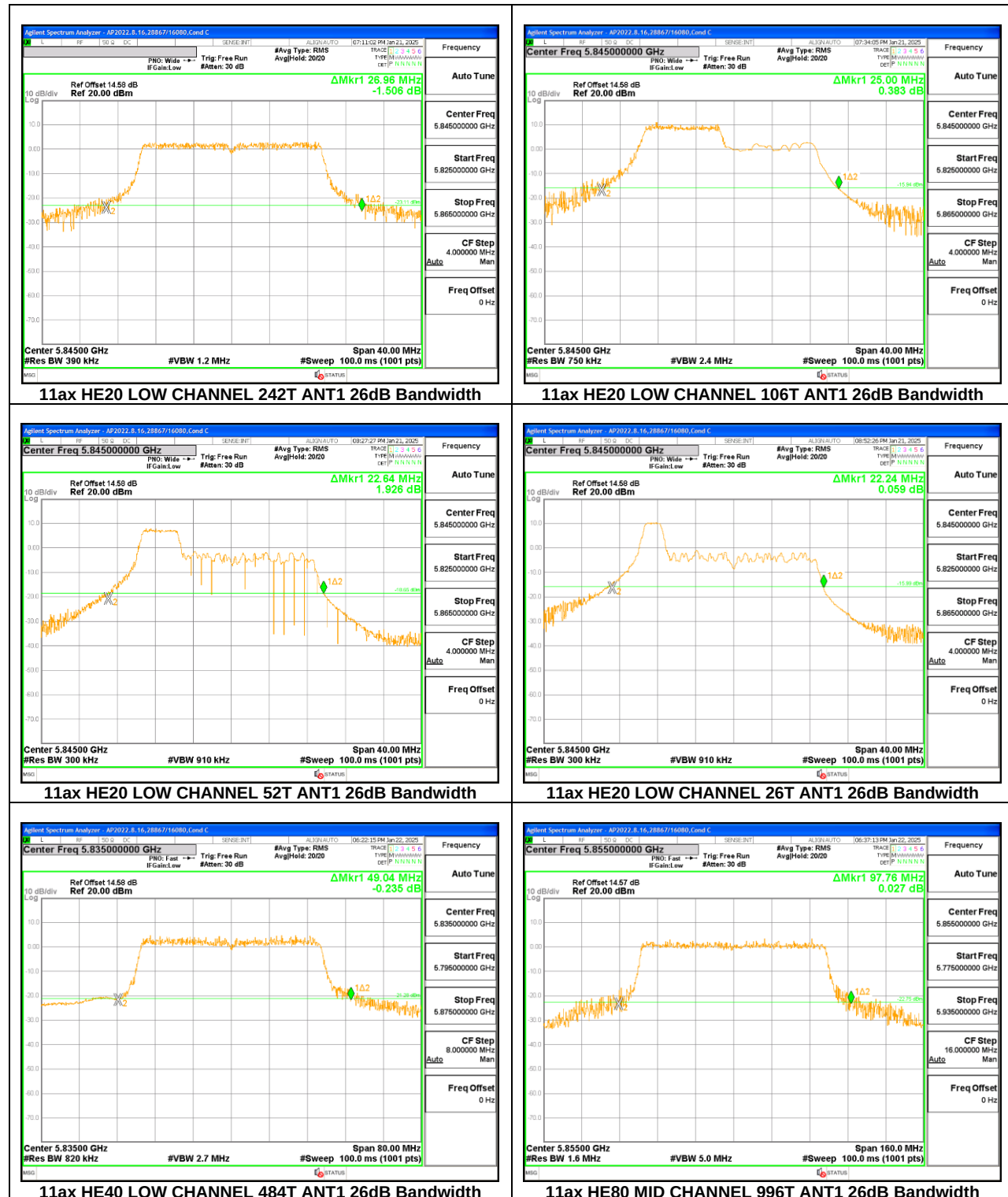
Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	6dB Bandwidth (MHz)		6dB Minimum Limit (MHz)
							Ant1	Ant2	
5.8	2	11ax HE20	149	5745	SU		18.824	18.860	0.5
			157	5785			18.828	18.976	0.5
			165	5825			19.092	19.092	0.5
			149	5745	242T	61	18.944	18.956	0.5
			157	5785			19.024	18.888	0.5
			165	5825			18.792	18.940	0.5
			149	5745	106T	53	8.364	8.288	0.5
			157	5785			8.336	8.200	0.5
			165	5825		54	8.272	8.348	0.5
			149	5745	52T	37	4.008	4.056	0.5
			157	5785		38	4.072	4.020	0.5
			165	5825		40	3.988	4.160	0.5
			149	5745	26T	0	2.000	2.092	0.5
			157	5785		4	2.524	2.528	0.5
			165	5825		8	2.064	2.060	0.5
		11ax HE40	151	5755	SU		37.816	37.960	0.5
			159	5795			37.832	38.048	0.5
			151	5755	484T	65	37.768	37.904	0.5
			159	5795			38.032	38.000	0.5
		11ax HE80	155	5775	SU		77.552	76.288	0.5
			155	5775	996T	67	77.232	77.712	0.5



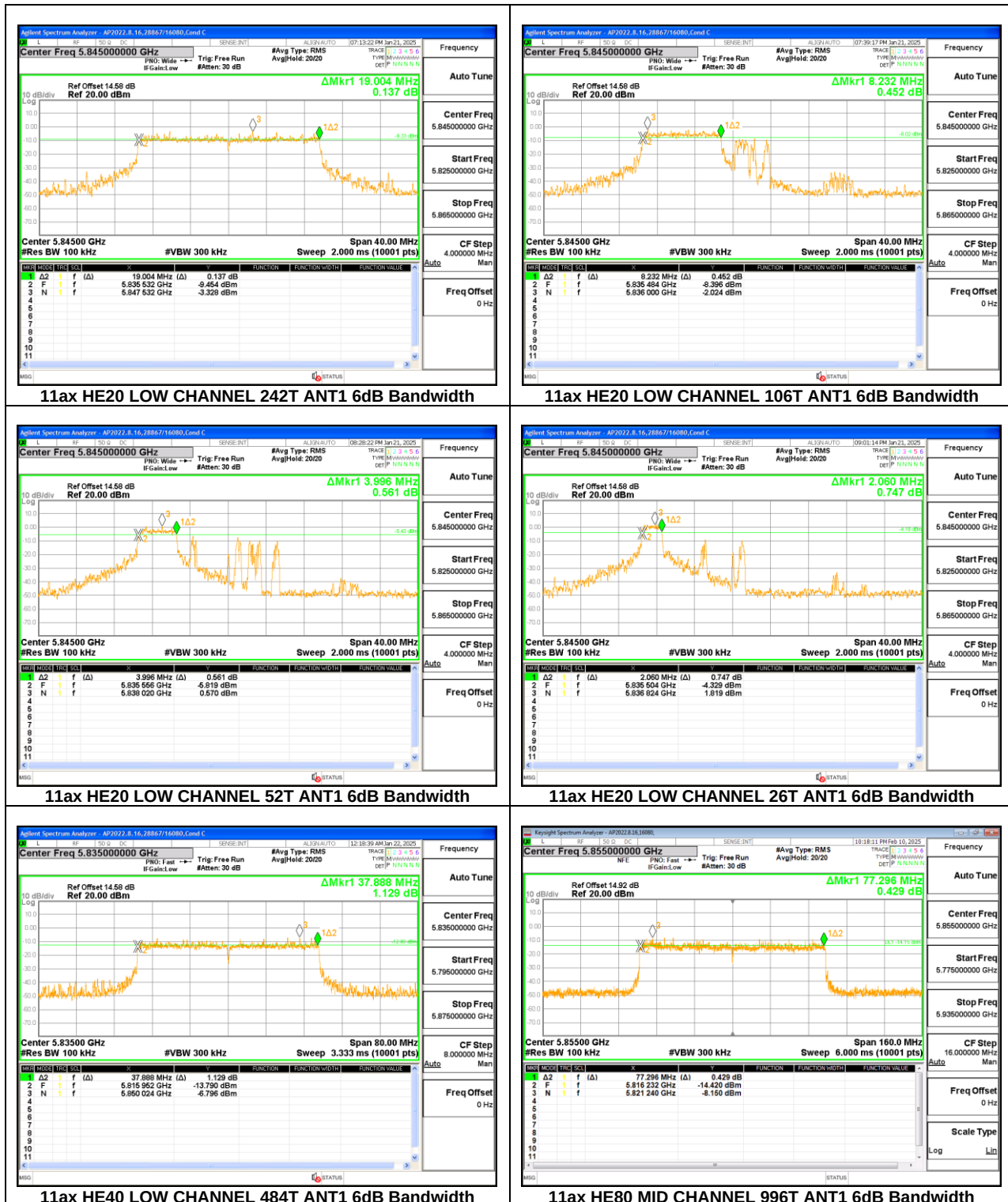
9.2.5. 5.9 GHz BAND

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	26dB Bandwidth (MHz)		6dB Bandwidth (MHz)		6dB Minimu m Limit (MHz)
							Ant1	Ant2	Ant1	Ant2	
5.9	2	11ax HE20	169	5845	SU		26.36	25.96	19.000	18.920	0.5
			173	5865			26.40	26.28	19.036	18.784	0.5
			177	5885			26.36	26.36	19.136	19.084	0.5
			169	5845	242T	61	26.96	25.44	19.004	19.096	0.5
			173	5865			26.80	25.92	19.076	18.904	0.5
			177	5885			26.56	24.92	18.216	19.140	0.5
			169	5845	106T	53	25.00	24.24	8.232	8.256	0.5
			173	5865			25.52	24.08	8.240	8.252	0.5
			177	5885			24.04	24.12	8.252	8.152	0.5
			169	5845	52T	37	22.64	21.28	3.996	4.064	0.5
			173	5865			19.12	18.60	4.016	4.044	0.5
			177	5885			22.16	21.48	3.968	4.020	0.5
			169	5845	26T	0	22.24	21.28	2.060	2.020	0.5
			173	5865			18.68	18.40	2.620	2.564	0.5
			177	5885			22.20	21.80	1.984	1.996	0.5
		11ax HE40	167	5835	SU		49.68	48.64	37.816	37.920	0.5
			175	5875			47.60	50.00	37.552	37.824	0.5
			167	5835	484T	65	49.04	48.56	37.888	37.856	0.5
			175	5875			50.72	49.12	37.568	37.832	0.5
		11ax HE80	171	5855	SU		95.36	92.64	77.664	76.576	0.5
			171	5855	996T	67	97.76	99.20	77.296	77.488	0.5

26dB Bandwidth



6dB Bandwidth



9.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. 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.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, 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.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. 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.

Band 5.85-5.895 GHz

(3)(iii) For client devices operating under the control of an indoor access point in the 5.850 - 5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1 - megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 27 dBm. Client devices operating on a channel that spans the 5.725 - 5.850 GHz and 5.850 - 5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Gated average output power was read directly from power meter.

For all straddle channels, full bandwidth power and PSD/MHz are reported in the 5.6GHz section because the combined 5.6GHz and 5.8GHz power and PSD/MHz already passed the worst-case 5.6GHz power and 5.8 GHz PSD/500kHz limits.

DIRECTIONAL ANTENNA GAIN

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Directional Gain value was determined using the following formula:

Uncorrelated Directional Gain dBi = $10 \log [(10^{(\text{Ant } 1/10)} + 10^{(\text{Ant } 2/10)} + \dots + 10^{(\text{Ant } N/10)})/N]$

Correlated Directional Gain dBi = $10 \log [(10^{(\text{Ant } 1/20)} + 10^{(\text{Ant } 2/20)} + \dots + 10^{(\text{Ant } N/20)^2})/N]$

N=Number of antennas

Uncorrelated Directional Gain sample calculation for 2 antenna system:

$10 \log [(10^{(-3.2/10)} + 10^{(-3/10)})/2] = -3.1 \text{ dBi}$

Correlated Directional Gain sample calculation for 2 antenna system:

$10 \log [(10^{(-3.2/20)} + 10^{(-3/20)^2})/2] = -0.09 \text{ dBi}$

Frequency Range (MHz)	Antenna 1 (dBi)	Antenna 2 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-3.2	-3	-3.10	-0.09
5250 - 5350 UNII - 2a	-3	-3.4	-3.20	-0.19
5500 - 5700 UNII - 2c	-3.3	-3.8	-3.54	-0.54
5725 - 5825 UNII 3	-3.9	-3.8	-3.85	-0.84
5845-5885 UNII 4	-4.5	-3.6	-4.03	-1.03

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Gain (dBi)	Correlated Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)
5.2	2	11ax HE20	36	5180	SU		-3.20	-3.00	-3.10	-0.09	24.00	11.00
			40	5200			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			48	5240			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			36	5180	242T	61	-3.20	-3.00	-3.10	-0.09	24.00	11.00
			40	5200			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			48	5240			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			36	5180	106T	53	-3.20	-3.00	-3.10	-0.09	24.00	11.00
			40	5200			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			48	5240			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			36	5180	52T	37	-3.20	-3.00	-3.10	-0.09	24.00	11.00
			40	5200			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			48	5240			-3.20	-3.00	-3.10	-0.09	24.00	11.00
		11ax HE40	36	5180	26T	0	-3.20	-3.00	-3.10	-0.09	24.00	11.00
			40	5200			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			48	5240			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			38	5190	SU		-3.20	-3.00	-3.10	-0.09	24.00	11.00
			46	5230			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			38	5190	484T	65	-3.20	-3.00	-3.10	-0.09	24.00	11.00
		11ax HE80	46	5230			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			42	5210			-3.20	-3.00	-3.10	-0.09	24.00	11.00
			42	5210	996T	67	-3.20	-3.00	-3.10	-0.09	24.00	11.00

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Min 26% BW (MHz)	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Gain (dBi)	Correlated Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)
5.3	2	11ax HE20	52	5260	SU		27.64	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			60	5300			26.68	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			64	5320			25.12	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			52	5260	242T	61	26.00	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			60	5300			26.64	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			64	5320			24.72	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			52	5260	106T	53	23.32	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			60	5300			24.20	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			64	5320			23.36	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			52	5260	52T	37	21.84	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			60	5300			18.52	-3.00	-3.40	-3.20	-0.19	23.68	11.00
			64	5320			21.92	-3.00	-3.40	-3.20	-0.19	24.00	11.00
		11ax HE40	52	5260	26T	0	21.68	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			60	5300			18.48	-3.00	-3.40	-3.20	-0.19	23.67	11.00
			64	5320			21.72	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			54	5270	SU		45.84	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			62	5310			45.52	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			54	5270			47.76	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			62	5310	484T	65	47.04	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			58	5290			92.80	-3.00	-3.40	-3.20	-0.19	24.00	11.00
			58	5290			93.28	-3.00	-3.40	-3.20	-0.19	24.00	11.00
5.6	2	11ax HE20	100	5500	SU		25.28	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			116	5580			24.64	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			140	5700			27.84	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			144	5720	242T	61	23.20	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			100	5500			25.72	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			116	5580			25.68	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			140	5700			25.84	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			144	5720	106T	53	23.44	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			100	5500			24.52	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			116	5580			24.08	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			140	5700	52T	54	23.68	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			144	5720			22.12	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			100	5500			21.60	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			116	5580	26T	38	18.68	-3.30	-3.80	-3.54	-0.54	23.71	11.00
			140	5700			21.76	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			144	5720			20.80	-3.30	-3.80	-3.54	-0.54	24.00	11.00
		11ax HE40	100	5500	0	4	21.60	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			116	5580			18.44	-3.30	-3.80	-3.54	-0.54	23.66	11.00
			140	5700			21.72	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			144	5720	8		20.68	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			102	5510			43.36	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			110	5550			43.68	-3.30	-3.80	-3.54	-0.54	24.00	11.00
		11ax HE80	134	5670	SU		43.36	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			142	5710			42.72	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			102	5510			43.44	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			110	5550	484T	65	44.72	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			134	5670			43.92	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			142	5710			44.08	-3.30	-3.80	-3.54	-0.54	24.00	11.00
		11ax HE80	106	5530	SU		86.24	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			122	5610			86.56	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			138	5690			86.88	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			106	5530	996T	67	86.88	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			122	5610			86.40	-3.30	-3.80	-3.54	-0.54	24.00	11.00
			138	5690			87.04	-3.30	-3.80	-3.54	-0.54	24.00	11.00

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Gain (dBi)	Correlated Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/500kHz)
5.8	2	11ax HE20	149	5745	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE20	149	5745	242T	61	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	106T	53	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	52T	37	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	26T	0	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE40	151	5755	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
			159	5795			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			151	5755	484T	65	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			159	5795			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			155	5775	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE80	155	5775			-3.90	-3.80	-3.85	-0.84	30.00	30.00

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC EIRP Power Limit (dBm)	FCC EIRP PSD Limit (dBm/1MHz)
5.9	2	11ax HE20	169	5845	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	242T	61	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	106T	53	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	52T	37	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	26T	0	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
		11ax HE40	167	5835	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
			175	5875			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			167	5835	484T	65	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			175	5875			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			171	5855	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
		11ax HE80	171	5855			-4.50	-3.60	-4.03	-1.03	30.00	14.00

RESULTS

Partial plots included in PSD for each band are representative of the method and settings parameters used for the test.

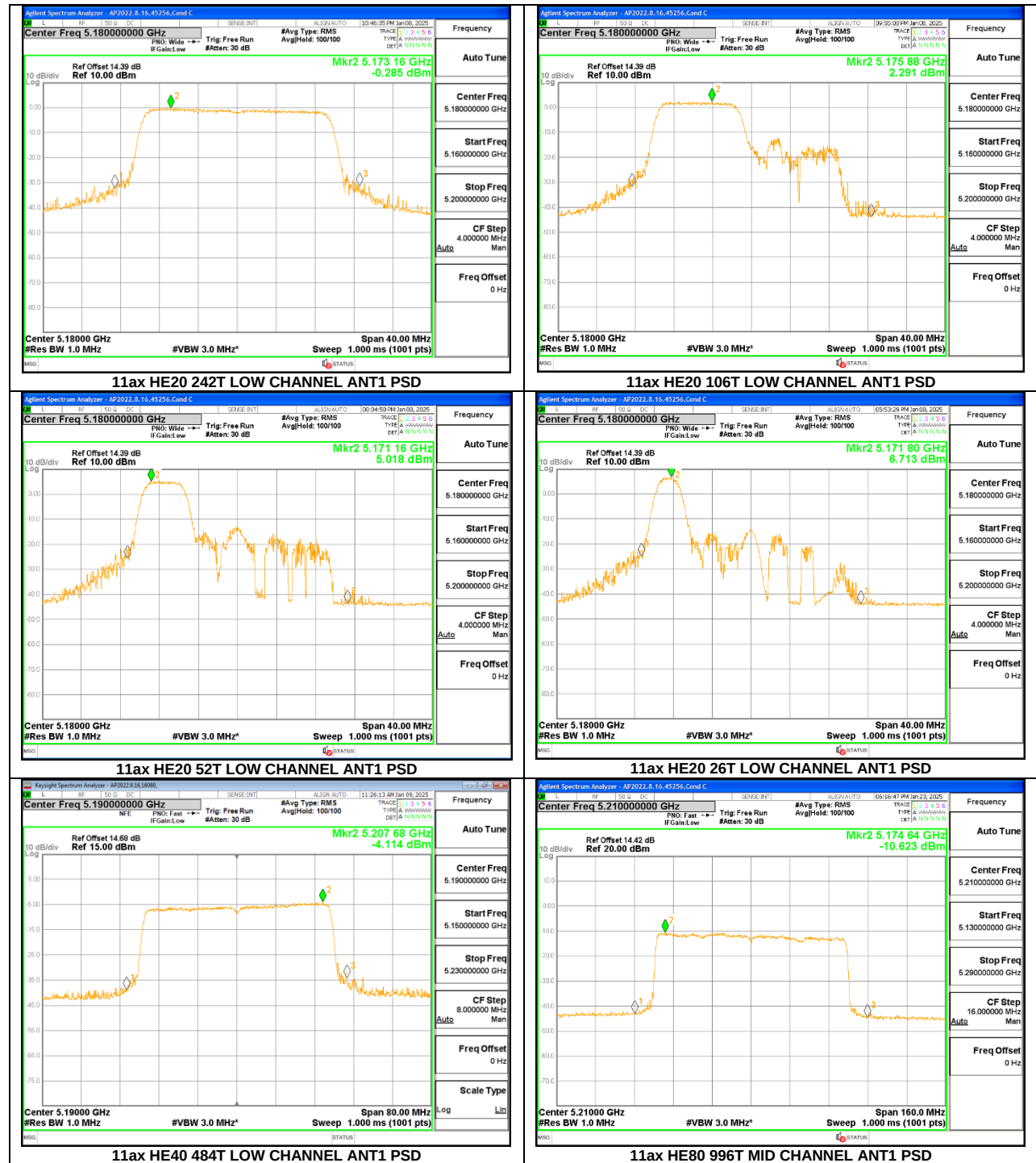
9.3.1. 5.2 GHz BAND

2TX Ant1 + Ant2 CDD MODE (FCC)

Test Engineer:	JB 45256
Test Date:	2025-01-06 to 2025-01-23

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.2	11ax HE20	36	5180	SU		15.06	13.61	17.41	24.00	-6.59	-0.028	-3.498	2.37	11.00	-8.63
		40	5200			16.05	14.34	18.29	24.00	-5.71	-1.724	-3.591	1.23	11.00	-9.77
		48	5240			14.64	13.75	17.23	24.00	-6.77	1.758	0.602	5.01	11.00	-5.99
		36	5180	242T	61	11.37	9.67	13.61	24.00	-10.39	-0.285	-3.531	2.05	11.00	-8.95
		40	5200			11.10	9.01	13.19	24.00	-10.81	-1.968	-3.909	0.83	11.00	-10.17
		48	5240			10.68	10.00	13.36	24.00	-10.64	-2.327	-3.506	0.78	11.00	-10.22
		36	5180	106T	53	10.82	9.41	13.18	24.00	-10.82	2.291	0.081	4.62	11.00	-6.38
		40	5200			11.01	9.21	13.21	24.00	-10.79	1.626	0.120	4.23	11.00	-6.77
		48	5240			10.93	10.11	13.55	24.00	-10.45	2.781	-0.359	4.78	11.00	-6.22
		36	5180	52T	37	11.01	9.30	13.25	24.00	-10.75	5.018	3.083	7.32	11.00	-3.68
		40	5200			11.27	9.12	13.34	24.00	-10.66	4.588	3.215	7.12	11.00	-3.88
		48	5240			10.65	10.17	13.43	24.00	-10.57	5.541	3.226	7.70	11.00	-3.30
		36	5180	26T	0	11.08	9.46	13.36	24.00	-10.64	6.713	6.027	9.39	11.00	-1.61
		40	5200			11.42	9.29	13.49	24.00	-10.51	5.411	4.509	7.99	11.00	-3.01
		48	5240			10.88	10.01	13.48	24.00	-10.52	6.865	5.445	9.22	11.00	-1.78
	11ax HE40	38	5190	SU		10.60	10.27	13.45	24.00	-10.55	-3.165	-5.710	-0.01	11.00	-11.01
		46	5230			13.44	11.72	15.67	24.00	-8.33	-1.607	-3.667	1.73	11.00	-9.27
		38	5190			10.55	8.62	12.70	24.00	-11.30	-4.114	-6.640	-1.10	11.00	-12.10
		46	5230			10.60	9.06	12.91	24.00	-11.09	-4.779	-7.850	-1.95	11.00	-12.95
	11ax HE80	42	5210	SU		11.39	10.41	13.94	24.00	-10.06	-7.464	-8.684	-3.10	11.00	-14.10
		42	5210			9.30	7.13	11.36	24.00	-12.64	-10.623	-12.273	-6.59	11.00	-17.59

PSD



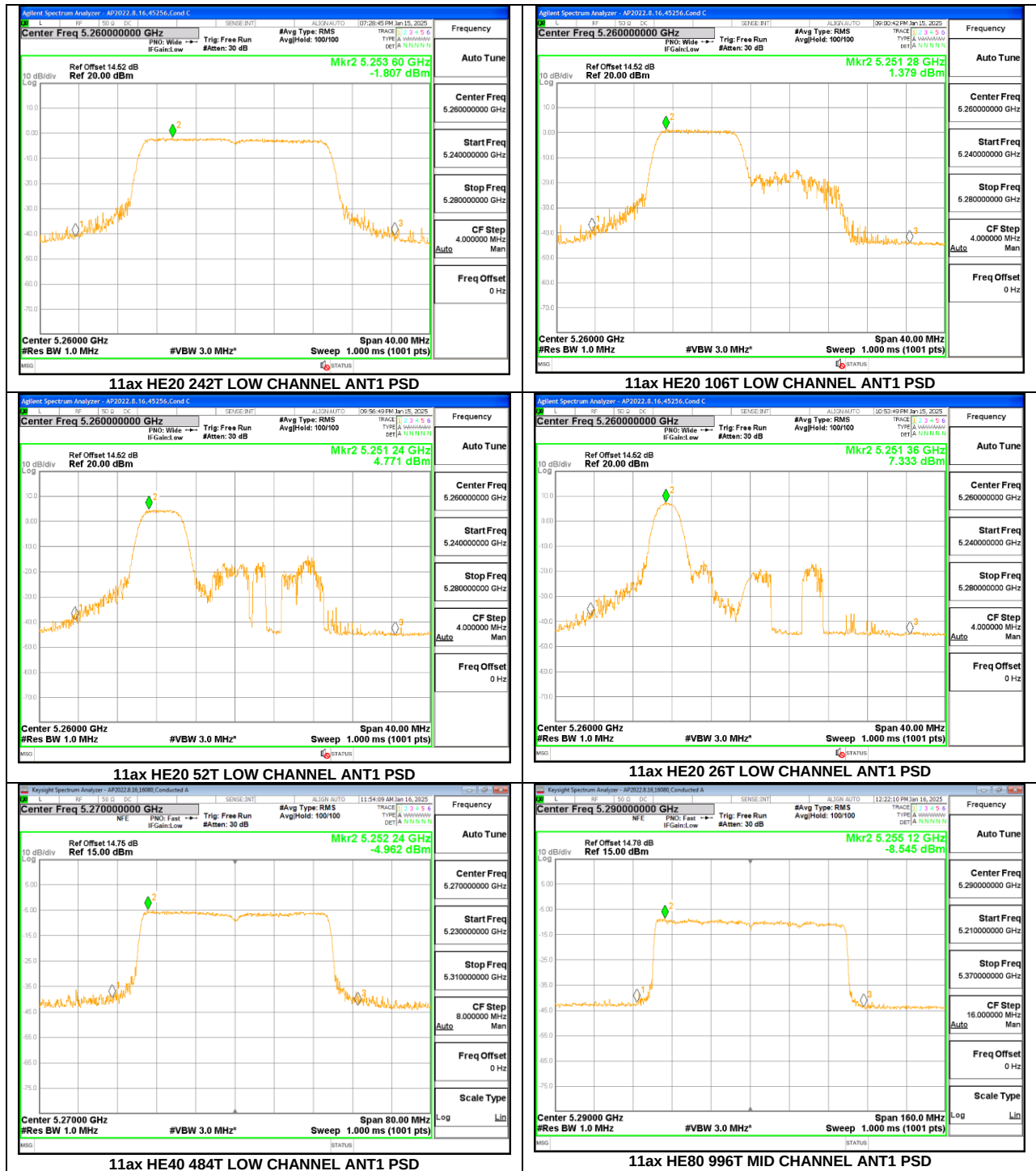
9.3.2. 5.3 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	JB 45256 & ZS 16080
Test Date:	2025-01-15 to 2025-01-16

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.3	11ax HE20	52	5260	SU		14.78	13.86	17.35	24.00	-6.65	2.367	0.460	5.31	11.00	-5.69
		60	5300			15.33	14.03	17.74	24.00	-6.26	1.986	1.196	5.40	11.00	-5.60
		64	5320			14.70	13.46	17.13	24.00	-6.87	1.929	0.471	5.05	11.00	-5.95
		52	5260	242T	61	10.80	8.71	12.89	24.00	-11.11	-1.807	-3.911	0.92	11.00	-10.08
		60	5300			10.80	9.16	13.07	24.00	-10.93	-2.288	-3.874	0.65	11.00	-10.35
		64	5320			10.05	9.29	12.70	24.00	-11.30	-2.877	-3.625	0.42	11.00	-10.58
		52	5260	106T	53	10.44	8.68	12.66	24.00	-11.34	1.379	-0.103	3.99	11.00	-7.01
		60	5300			11.07	9.23	13.26	24.00	-10.74	1.444	0.205	4.16	11.00	-6.84
		64	5320			10.03	8.57	12.37	24.00	-11.63	1.218	-0.437	3.76	11.00	-7.24
		52	5260	52T	37	10.21	8.41	12.41	24.00	-11.59	4.771	2.970	7.13	11.00	-3.87
		60	5300			11.04	9.32	13.27	23.68	-10.40	4.337	3.160	6.96	11.00	-4.04
		64	5320			10.05	8.22	12.24	24.00	-11.76	3.760	2.805	6.48	11.00	-4.52
		52	5260	26T	0	10.98	9.17	13.18	24.00	-10.82	7.333	5.786	9.64	11.00	-1.36
		60	5300			10.77	9.06	13.01	23.67	-10.66	5.706	4.455	8.14	11.00	-2.86
	64	5320	10.84			9.23	13.12	24.00	-10.88	6.587	5.036	8.89	11.00	-2.11	
	11ax HE40	54	5270	SU		14.29	11.65	16.18	24.00	-7.82	-2.761	-3.284	1.23	11.00	-9.77
		62	5310			13.68	12.19	16.01	24.00	-7.99	-1.964	-3.786	1.46	11.00	-9.54
		54	5270	484T	65	10.47	9.03	12.82	24.00	-11.18	-4.962	-6.736	-1.66	11.00	-12.66
		62	5310			10.48	9.30	12.94	24.00	-11.06	-4.761	-6.188	-1.32	11.00	-12.32
	11ax HE80	58	5290	SU		12.09	9.17	13.88	24.00	-10.12	-5.820	-8.021	-1.85	11.00	-12.85
58		5290	996T	67		9.97	7.70	11.99	24.00	-12.01	-8.545	-10.631	-4.69	11.00	-15.69

PSD



9.3.3. 5.6 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	JB 45256 & ZS 16080
Test Date:	2025-01-23 to 2025-01-25

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.6	11ax HE20	100	5500	SU		15.29	15.77	18.55	24.00	-5.45	2.469	2.795	6.43	11.00	-4.57
		116	5580			15.69	14.66	18.22	24.00	-5.78	3.125	2.430	6.58	11.00	-4.42
		140	5700			15.08	15.46	18.28	24.00	-5.72	2.268	2.324	6.09	11.00	-4.91
		144	5720			15.68	14.82	18.28	24.00	-5.72	3.876	2.843	7.18	11.00	-3.82
		100	5500	242T	61	11.06	10.63	13.86	24.00	-10.14	-2.089	-3.970	0.73	11.00	-10.27
		116	5580			11.57	10.30	13.99	24.00	-10.01	-1.198	-2.063	2.05	11.00	-8.95
		140	5700			10.20	10.61	13.42	24.00	-10.58	-2.018	-1.917	1.69	11.00	-9.31
		144	5720(Straddle)			10.34	9.73	13.06	24.00	-10.94	-0.604	-1.834	2.48	11.00	-8.52
		100	5500	106T	53	11.00	10.89	13.96	24.00	-10.04	1.278	1.353	4.61	11.00	-6.39
		116	5580			11.47	10.43	13.99	24.00	-10.01	2.246	1.341	5.11	11.00	-5.89
		140	5700			10.84	10.78	13.82	24.00	-10.18	1.024	1.422	4.52	11.00	-6.48
		144	5720(Straddle)			11.34	10.07	13.76	24.00	-10.24	2.653	1.712	5.50	11.00	-5.50
		100	5500	52T	37	10.82	10.55	13.70	24.00	-10.30	4.398	4.650	7.69	11.00	-3.31
		116	5580			11.09	10.12	13.64	23.71	-10.07	5.137	4.792	8.14	11.00	-2.86
		140	5700			10.40	10.56	13.49	24.00	-10.51	4.932	4.747	8.01	11.00	-2.99
		144	5720(Straddle)			11.37	10.24	13.85	24.00	-10.15	6.473	5.463	9.16	11.00	-1.84
		100	5500	26T	0	10.71	10.98	13.86	24.00	-10.14	6.950	6.861	9.92	11.00	-1.08
		116	5580			11.48	10.40	13.98	23.66	-9.67	7.066	6.438	9.77	11.00	-1.23
		140	5700			10.47	10.58	13.54	24.00	-10.46	6.837	6.778	9.82	11.00	-1.18
		144	5720(Straddle)			11.30	9.44	13.48	24.00	-10.52	7.114	5.794	9.51	11.00	-1.49
	11ax HE40	102	5510	SU		12.96	13.74	16.38	24.00	-7.62	-3.433	-3.232	0.91	11.00	-10.09
		110	5550			13.57	12.39	16.03	24.00	-7.97	-2.244	-3.516	1.41	11.00	-9.59
		134	5670			13.42	13.02	16.23	24.00	-7.77	-3.502	-2.663	1.18	11.00	-9.82
		142	5710			13.57	13.19	16.39	24.00	-7.61	-1.412	-1.689	2.69	11.00	-8.31
		102	5510	484T	65	7.33	6.82	10.09	24.00	-13.91	-9.385	-8.811	-4.99	11.00	-15.99
		110	5550			10.21	9.28	12.78	24.00	-11.22	-4.593	-5.910	-1.10	11.00	-12.10
		134	5670			9.48	9.75	12.63	24.00	-11.37	-6.128	-5.795	-1.86	11.00	-12.86
		142	5710(Straddle)			10.12	9.77	12.96	24.00	-11.04	-3.257	-4.186	0.40	11.00	-10.60
	11ax HE80	106	5530	SU		12.59	12.30	15.46	24.00	-8.54	-6.464	-6.581	-1.59	11.00	-12.59
		122	5610			12.15	12.55	15.36	24.00	-8.64	-7.120	-6.805	-2.03	11.00	-13.03
		138	5690			12.21	13.18	15.73	24.00	-8.27	-4.854	-5.959	-0.44	11.00	-11.44
		106	5530	996	67	7.67	7.57	10.63	24.00	-13.37	-12.101	-11.635	-7.08	11.00	-18.08
		122	5610			8.74	8.65	11.71	24.00	-12.29	-11.879	-11.595	-6.96	11.00	-17.96
		138	5690(Straddle)			8.24	9.08	11.69	24.00	-12.31	-9.627	-10.364	-5.20	11.00	-16.20