



FCC RF Test Report

APPLICANT : Vantiva USA LLC
EQUIPMENT : Ethernet Gateway
BRAND NAME : Vantiva
MODEL NAME : VTER11QELxyzn (xyz: each character cab be a-z or A-Z; n: 1-4 or blank)
FCC ID : G95231BX
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Sep. 25, 2024 ~ Nov. 11, 2024

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR483017B	Rev. 01	Initial issue of report	Dec. 09, 2024

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit for U-NII-1/2A/2C	Limit for U-NII-3	Result	Remark
3.1	2.1049 & 15.403(i)	6dB, 26dB & 99% Bandwidth	-	6dB Bandwidth > 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm for UNII-1, and 24 dBm for UNII-2A/2C	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 17 dBm/MHz for UNII-1, and 11 dBm/MHz for UNII-2A/2C	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	15.407(b)(4)(i) & 15.209(a)	Pass	Under limit 0.10 dB at 5440.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	15.207(a)	Pass	Under limit 13.48 dB at 0.153 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	15.203 & 15.407(a)	Pass	-

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Vantiva USA LLC

4855 Peachtree Industrial Blvd. Suite 200 Norcross, Georgia 30092

1.2 Manufacturer

Vantiva USA LLC

4855 Peachtree Industrial Blvd. Suite 200 Norcross, Georgia 30092

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Ethernet Gateway
Brand Name	Vantiva
Model Name	VTER11QELxyzn (xyz: each character cab be a-z or A-Z; n: 1-4 or blank)
FCC ID	G95231BX
SN Code	Conducted: F061F3000A5E Conduction: F061F3000B42 Radiation: F061F3000A0A
HW Version	Lab3
SW Version	2022_SPF_12_2_CS_U3
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5250 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	<MIMO 1S4T>: <5180 MHz – 5250 MHz> 802.11a : 28.60 dBm / 0.7244 W 802.11n HT20 : 28.27 dBm / 0.6714 W 802.11n HT40 : 28.52 dBm / 0.7112 W 802.11ac VHT20: 28.33 dBm / 0.6808 W 802.11ac VHT40: 28.58 dBm / 0.7211 W 802.11ac VHT80: 25.17 dBm / 0.3289 W 802.11ac VHT160: 23.13 dBm / 0.2056 W 802.11ax HE20: 28.96 dBm / 0.7870 W 802.11ax HE40: 28.65 dBm / 0.7328 W 802.11ax HE80: 25.73 dBm / 0.3741 W 802.11ax HE160: 23.71 dBm / 0.2350 W 802.11be EHT20: 29.22 dBm / 0.8356 W 802.11be EHT40: 29.05 dBm / 0.8035 W 802.11be EHT80: 25.76 dBm / 0.3767 W 802.11be EHT160: 23.87 dBm / 0.2438 W <5260 MHz – 5320 MHz> 802.11a : 22.67 dBm / 0.1849 W 802.11n HT20 : 22.39 dBm / 0.1734 W 802.11n HT40 : 23.19 dBm / 0.2084 W 802.11ac VHT20: 22.44 dBm / 0.1754 W 802.11ac VHT40: 23.24 dBm / 0.2109 W 802.11ac VHT80: 23.23 dBm / 0.2104 W 802.11ac VHT160: 23.13 dBm / 0.2056 W 802.11ax HE20: 23.12 dBm / 0.2051 W 802.11ax HE40: 23.30 dBm / 0.2138 W 802.11ax HE80: 23.87 dBm / 0.2438 W 802.11ax HE160: 23.71 dBm / 0.2350 W 802.11be EHT20: 23.15 dBm / 0.2065 W 802.11be EHT40: 23.81 dBm / 0.2404 W 802.11be EHT80: 23.96 dBm / 0.2489 W <5500 MHz – 5720 MHz > 802.11a : 22.57 dBm / 0.1807 W 802.11n HT20 : 22.36 dBm / 0.1722 W 802.11n HT40 : 23.34 dBm / 0.2158 W 802.11ac VHT20: 22.42 dBm / 0.1746 W 802.11ac VHT40: 23.39 dBm / 0.2183 W 802.11ac VHT80: 23.30 dBm / 0.2138 W 802.11ac VHT160: 23.45 dBm / 0.2213 W 802.11ax HE20: 22.96 dBm / 0.1977 W 802.11ax HE40: 23.36 dBm / 0.2168 W 802.11ax HE80: 23.84 dBm / 0.2421 W 802.11ax HE160: 23.88 dBm / 0.2443 W 802.11be EHT20: 23.01 dBm / 0.2000 W 802.11be EHT40: 23.80 dBm / 0.2399 W 802.11be EHT80: 23.96 dBm / 0.2489 W



802.11be EHT160: 23.90 dBm / 0.2455 W

<5745 MHz – 5825 MHz>

802.11a : 29.22 dBm / 0.8356 W

802.11n HT20 : 28.81 dBm / 0.7603 W

802.11n HT40 : 28.13 dBm / 0.6501 W

802.11ac VHT20: 28.86 dBm / 0.7691 W

802.11ac VHT40: 28.18 dBm / 0.6577 W

802.11ac VHT80: 28.00 dBm / 0.6310 W

802.11ax HE20: 29.13 dBm / 0.8185 W

802.11ax HE40: 28.08 dBm / 0.6427 W

802.11ax HE80: 28.58 dBm / 0.7211 W

802.11be EHT20: 29.39 dBm / 0.8690 W

802.11be EHT40: 28.54 dBm / 0.7145 W

802.11be EHT80: 28.68 dBm / 0.7379 W

<TX Beamforming 1S4T>

<5180 MHz – 5250 MHz>

802.11ac VHT20: 26.95 dBm / 0.4955 W

802.11ac VHT40: 25.89 dBm / 0.3882 W

802.11ac VHT80: 22.84 dBm / 0.1923 W

802.11ac VHT160: 22.81 dBm / 0.1910 W

802.11ax HE20: 26.97 dBm / 0.4977 W

802.11ax HE40: 25.77 dBm / 0.3776 W

802.11ax HE80: 22.81 dBm / 0.1910 W

802.11ax HE160: 22.85 dBm / 0.1928 W

802.11be EHT20: 27.71 dBm / 0.5902 W

802.11be EHT40: 26.85 dBm / 0.4842 W

802.11be EHT80: 23.71 dBm / 0.2350 W

802.11be EHT160: 23.55 dBm / 0.2265 W

<5260 MHz – 5320 MHz>

802.11ac VHT20: 21.70 dBm / 0.1479 W

802.11ac VHT40: 22.66 dBm / 0.1845 W

802.11ac VHT80: 22.87 dBm / 0.1936 W

802.11ac VHT160: 22.81 dBm / 0.1910 W

802.11ax HE20: 22.15 dBm / 0.1641 W

802.11ax HE40: 22.87 dBm / 0.1936 W

802.11ax HE80: 23.01 dBm / 0.2000 W

802.11ax HE160: 22.85 dBm / 0.1928 W

802.11be EHT20: 22.69 dBm / 0.1858 W

802.11be EHT40: 23.55 dBm / 0.2265 W

802.11be EHT80: 23.64 dBm / 0.2312 W

802.11be EHT160: 23.55 dBm / 0.2265 W

<5500 MHz – 5720 MHz >

802.11ac VHT20: 21.74 dBm / 0.1493 W

802.11ac VHT40: 22.71 dBm / 0.1866 W

802.11ac VHT80: 22.81 dBm / 0.1910 W

802.11ac VHT160: 22.85 dBm / 0.1928 W

802.11ax HE20: 21.85 dBm / 0.1531 W

802.11ax HE40: 22.80 dBm / 0.1905 W

802.11ax HE80: 22.84 dBm / 0.1923 W

802.11ax HE160: 22.84 dBm / 0.1923 W

802.11be EHT20: 22.69 dBm / 0.1858 W

802.11be EHT40: 23.53 dBm / 0.2254 W

802.11be EHT80: 23.68 dBm / 0.2333 W

802.11be EHT160: 23.56 dBm / 0.2270 W



	<5745 MHz – 5825 MHz> 802.11ac VHT20: 28.47 dBm / 0.7031 W 802.11ac VHT40: 26.31 dBm / 0.4276 W 802.11ac VHT80: 26.32 dBm / 0.4285 W 802.11ax HE20: 28.46 dBm / 0.7015 W 802.11ax HE40: 26.37 dBm / 0.4335 W 802.11ax HE80: 26.38 dBm / 0.4345 W 802.11be EHT20: 29.28 dBm / 0.8472 W 802.11be EHT40: 27.20 dBm / 0.5248 W 802.11be EHT80: 27.29 dBm / 0.5358 W
99% Occupied Bandwidth	<5180 MHz – 5250 MHz> 802.11a : 17.600 MHz 802.11ac VHT20: 18.590 MHz 802.11ac VHT40: 37.371 MHz 802.11ac VHT80: 77.181 MHz 802.11ac VHT160: 157.562 MHz 802.11ax HE20: 19.371 MHz 802.11ax HE40: 38.552 MHz 802.11ax HE80: 78.400 MHz 802.11ax HE160: 158.933 MHz 802.11be EHT20: 19.390 MHz 802.11be EHT40: 38.476 MHz 802.11be EHT80: 78.400 MHz 802.11be EHT160: 159.238 MHz <5260 MHz – 5320 MHz> 802.11a : 17.600 MHz 802.11ac VHT20: 18.610 MHz 802.11ac VHT40: 37.486 MHz 802.11ac VHT80: 77.257 MHz 802.11ac VHT160: 157.562 MHz 802.11ax HE20: 19.390 MHz 802.11ax HE40: 38.552 MHz 802.11ax HE80: 78.552 MHz 802.11ax HE160: 158.933 MHz 802.11be EHT20: 19.390 MHz 802.11be EHT40: 38.590 MHz 802.11be EHT80: 78.552 MHz <5500 MHz – 5720 MHz> 802.11a : 17.562 MHz 802.11ac VHT20: 18.610 MHz 802.11ac VHT40: 37.486 MHz 802.11ac VHT80: 77.486 MHz 802.11ac VHT160: 157.562 MHz 802.11ax HE20: 19.371 MHz 802.11ax HE40: 38.629 MHz 802.11ax HE80: 78.552 MHz 802.11ax HE160: 158.781 MHz 802.11be EHT20: 19.390 MHz 802.11be EHT40: 38.552 MHz 802.11be EHT80: 78.476 MHz 802.11be EHT160: 158.629 MHz <5745 MHz – 5825 MHz> 802.11a : 17.562 MHz 802.11ac VHT20: 18.571 MHz 802.11ac VHT40: 37.486 MHz



802.11ac VHT80: 77.410 MHz
802.11ax HE20: 19.333 MHz
802.11ax HE40: 38.590 MHz
802.11ax HE80: 78.476 MHz
802.11be EHT20: 19.371 MHz
802.11be EHT40: 38.590 MHz
802.11be EHT80: 78.552 MHz

TX Beamforming

<5180 MHz – 5250 MHz>
802.11ac VHT20: 18.495 MHz
802.11ac VHT40: 37.333 MHz
802.11ac VHT80: 77.257 MHz
802.11ac VHT160: 158.019 MHz
802.11ax HE20: 19.352 MHz
802.11ax HE40: 38.667 MHz
802.11ax HE80: 78.324 MHz
802.11ax HE160: 158.933 MHz
802.11be EHT20: 19.429 MHz
802.11be EHT40: 38.667 MHz
802.11be EHT80: 78.705 MHz
802.11be EHT160: 160.000 MHz

<5260 MHz – 5320 MHz>
802.11ac VHT20: 18.400 MHz
802.11ac VHT40: 37.371 MHz
802.11ac VHT80: 77.333 MHz
802.11ac VHT160: 158.019 MHz
802.11ax HE20: 19.333 MHz
802.11ax HE40: 38.552 MHz
802.11ax HE80: 78.324 MHz
802.11ax HE160: 158.933 MHz
802.11be EHT20: 19.352 MHz
802.11be EHT40: 38.438 MHz
802.11be EHT80: 78.476 MHz

<5500 MHz – 5720 MHz>
802.11ac VHT20: 18.400 MHz
802.11ac VHT40: 37.524 MHz
802.11ac VHT80: 77.714 MHz
802.11ac VHT160: 157.714 MHz
802.11ax HE20: 19.390 MHz
802.11ax HE40: 38.552 MHz
802.11ax HE80: 78.705 MHz
802.11ax HE160: 159.390 MHz
802.11be EHT20: 19.429 MHz
802.11be EHT40: 38.629 MHz
802.11be EHT80: 78.781 MHz
802.11be EHT160: 159.390 MHz

<5745 MHz – 5825 MHz>
802.11ac VHT20: 18.514 MHz
802.11ac VHT40: 37.562 MHz
802.11ac VHT80: 77.333 MHz
802.11ax HE20: 19.371 MHz
802.11ax HE40: 38.476 MHz
802.11ax HE80: 78.476 MHz
802.11be EHT20: 19.505 MHz

	802.11be EHT40: 38.629 MHz 802.11be EHT80: 78.324 MHz				
Antenna Type	Dipole Antenna				
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) 802.11be: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)				
Antenna Function Description		Ant. 1	Ant. 2	Ant. 3	Ant. 4
	802.11 a/n/ac/ax/be SISO	V	V	V	V
	802.11 a/n/ac/ax/be CDD 1S4T	V	V	V	V
	802.11 ac/ax/be Tx Beamforming 1S4T	V	V	V	V

Note:

1. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to the higher normal output power.
2. WLAN MIMO support CDD mode for 802.11a/n/ac/ax/be and Tx Beamforming mode for 802.11ac/ax/be.
3. For 802.11n/ac mode, due to similar modulation, the power setting of 802.11n 20/40MHz mode are the same or lower than 802.11ac 20/40MHz mode. Therefore, the whole testing has assessed only 802.11ac VHT20/VHT40/VHT80/VHT160 mode.
4. For 802.11n/ac/ax/be 20MHz/40MHz/80MHz/160MHz mode, the whole testing have assessed only 802.11be EHT20/ EHT40/ EHT80/EHT160 by referring to their maximum conducted power for RSE testing.
5. The device supports multiple spatial streams, the worst cases directional gain will occur when NSS = 1, therefore, the 1S4T(CDD & TXBF) mode is the worst; 1S4T: NSS=1, MIMO 4Tx.
6. This device supports full RU and OFDMA modes for 802.11ax/be, the PSD of OFDMA modes is reduced to be smaller than full RU, therefore the full RU perform full test to cover OFDMA modes. In OFDMA mode, Resource Unit (RU) fill the entire frequency bandwidth. Supports up to 8 Resource Unit (RU) being used at the same time.
7. Please refer to the antenna report for the maximum Single antenna gain and CDD (Cyclic Delay Diversity) directional gain and TXBF (Tx Beamforming) directional gain.

Frequency Band	Max Single Antenna gain (dBi)				CDD DG (dBi)		TXBF DG (dBi)	
	ANT1	ANT2	ANT3	ANT4	For Power	For PSD	For Power	For PSD
5GHz UNII-1	3.39	3.99	3.38	3.93	0.62	3.71	3.71	3.71
5GHz UNII-2A	2.95	3.72	3.17	4.13	0.62	3.90	3.90	3.90
5GHz UNII-2C	3.70	4.43	3.28	4.23	1.68	4.45	4.45	4.45
5GHz UNII-3	3.27	3.54	3.25	4.05	0.87	4.56	4.56	4.56

8. 802.11be support Puncturing modes for 802.11be EHT80/EHT160 as below, which is less than full RU PSD, therefore have assessed only EIRP & PSD & RSE.

Puncturing 20MHz modes

BWs/channels	Tones			Index			For test modes configure
80MHz/ ch42/106/138/155	484		242	65		63	④
80MHz/ch58/122/155	484		242	66		62	①
160MHz/ch50/114	242-Left	484-Left	996-Right	62-Left	66-Left	67-Right	①
160MHz/ch50/114	242-Left	484-Left	996-Right	62-Left	66-Left	67-Right	⑧

Puncturing 40MHz modes

BWs/channels	Tones		Index		For test modes configure
160MHz/ch50/114	484-Left	996-Right	66-Left	67-Right	①
160MHz/ch50/114	996-Left	484-Right	67-Left	65-Right	④

Only the worse cases are shown in this report.

1.5 Specification of Accessory

Specification of Accessory				
Adapter 1	Brand Name	Netbit	Model Name	NBC36G120300VU
Adapter 2	Brand Name	ACBEL	Model Name	WAQ001

1.6 Modification of EUT

No modifications are made to the EUT during all test items.



1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH05-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	Tonscend	JS1120-3 test system China_210602	3.3.10
2.	03CH05-KS	AUDIX	E3	210616
3.	CO01-KS	AUDIX	E3	6.2009-8-24

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
5180-5250 MHz U-NII-1	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210	50 ^{##}	5250
Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
5250-5320 MHz U-NII-2A	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290	-	-
Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
5500-5720MHz U-NII-2C	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700
Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
5745-5825 MHz U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Frequency Band	Channel	Freq.(MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122 [#]	5610	128	5640
	-	-	114 ^{##}	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710	-	-

Note:

1. The above Frequency and Channel in "*" are 40MHz bandwidth.
2. The above Frequency and Channel in "[#]" are 80MHz bandwidth.
3. The above Frequency and Channel in "^{##}" are 160MHz bandwidth.

2.2 Test Mode

Final RSE test modes are considering the modulation and worse data rates refer to Appendix C.
For Radiated Test Cases, the tests were performance with Adapter 1 and RJ45 Cable.

Test Cases	
AC Conducted Emission	Mode 1 :WLAN Tx(5G) + LAN Port Link + WAN Port Link + Power From Adapter 1

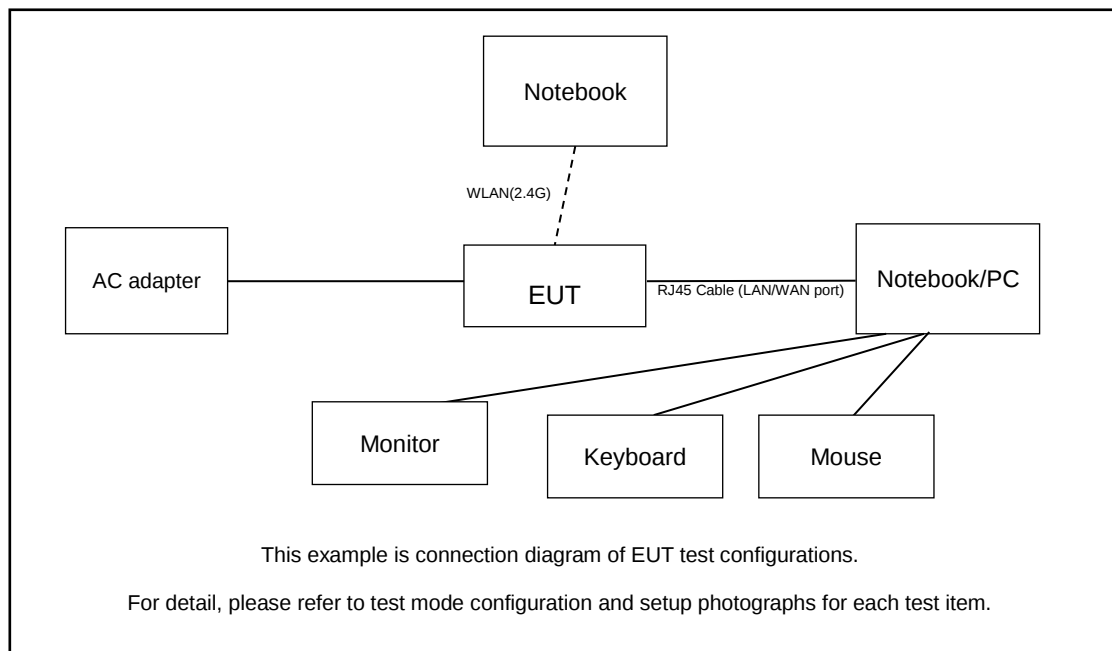
Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		20M BW	20M BW	20M BW	20M BW
L	Low	36	52	100	149
M	Middle	44	60	116	157
H	High	48	64	140	165
Straddle		-	-	144	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		40M BW	40M BW	40M BW	40M BW
L	Low	38	54	102	151
M	Middle	-	-	110	-
H	High	46	62	134	159
Straddle		-	-	142	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		80M BW	80M BW	80M BW	80M BW
L	Low	-	-	106	-
M	Middle	42	58	-	155
H	High	-	-	122	-
Straddle		-	-	138	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		160M BW		160M BW	160M BW
M	Middle	50		114	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
2.	PC	Advantech	IPC-610ML	N/A	N/A	N/A
3.	(USB)Mouse	Dell	MS111-P	Fcc DoC	Shielded, 1.8m	N/A
4.	(USB)Keyboard	Dell	SK-8120	Fcc DoC	Shielded, 1.8m	N/A



5.	Monitor	Dell	IN1930MWc	Fcc DoC	Shielded, 1.2m	Unshielded,1.8m
6.	RJ45 Cable	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program “QRCT TX Tool” was provided and enabled to make EUT continuously transmit.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.38 dB and 20dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.38 + 20 = 24.38 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

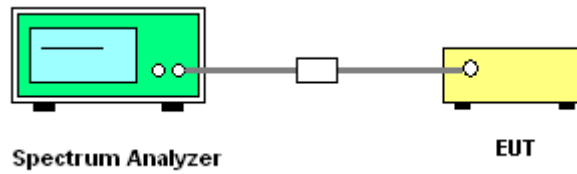
The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

☒	Section C) Bandwidth Measurement 1. Emission Bandwidth (EBW) and 99% OBW
	1. Set RBW = approximately 1% of the emission bandwidth. 2. Set the VBW > RBW. 3. Detector = Peak. 4. Trace mode = max hold 5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%. 6. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set to 1%~5% of the OBW and set the Video bandwidth (VBW) $\geq 3 * RBW$. 7. Measure and record the results in the test report.
☒	Section C) Bandwidth Measurement 2. Minimum Emission Bandwidth for the band 5.725 - 5.85 GHz
	1. Set RBW = 100kHz. 2. Set the VBW $\geq 3 \times RBW$. 3. Detector = Peak. 4. Trace mode = max hold 5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission. 6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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.

For the 5.25–5.725 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 log₁₀ B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

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3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

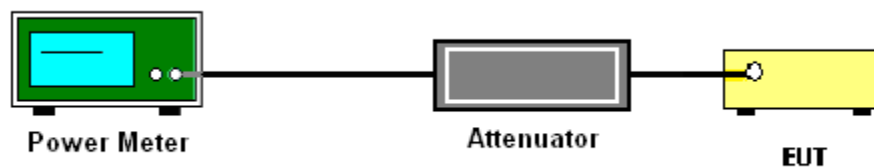
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

Section F) Maximum power spectral density.

For devices operating in the bands UNII-1/2A/2C

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

For devices operating in the band UNII-3

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

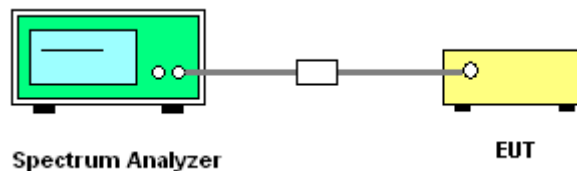
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500KHz (or 300 kHz if the SA can't set RBW=500KHz).
- Set VBW $\geq$ 1 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- If the SA can't set RBW=500KHz, then add $10 \log(500\text{kHz}/\text{RBW})$ to the test result.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part 15.205.

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz .

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz . Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz .

- (2) For transmitters operating in the 5.725-5.85 GHz band:
- 15.407(b)(4)(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.

- (3) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

(4) EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.2

Note: The following formula is used to convert the EIRP to field strength.

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

- (4) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

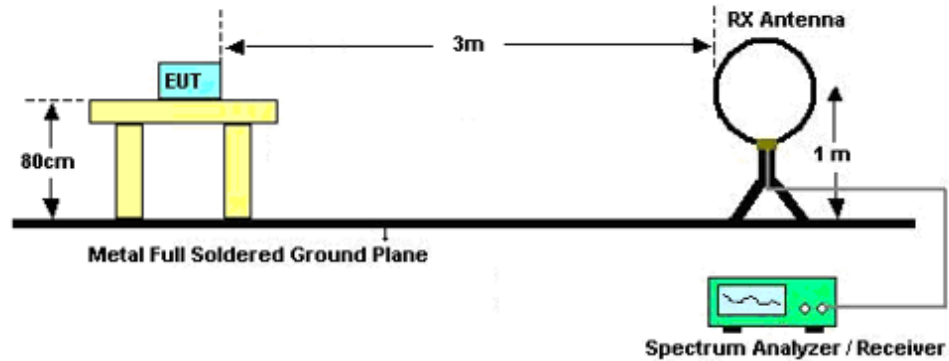
The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

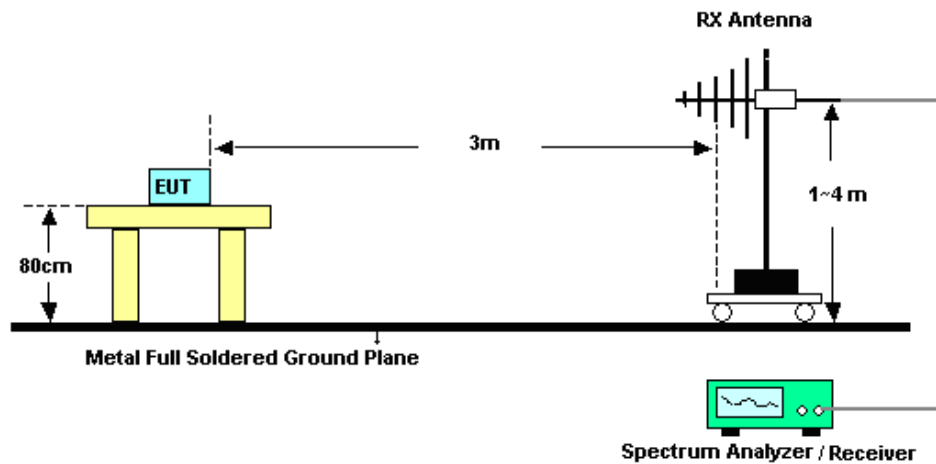
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

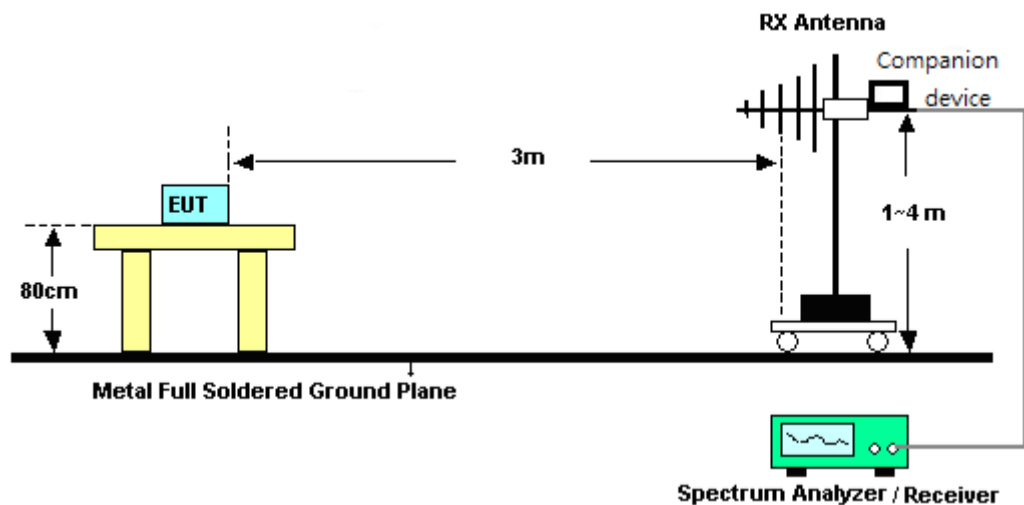
For radiated emissions below 30MHz



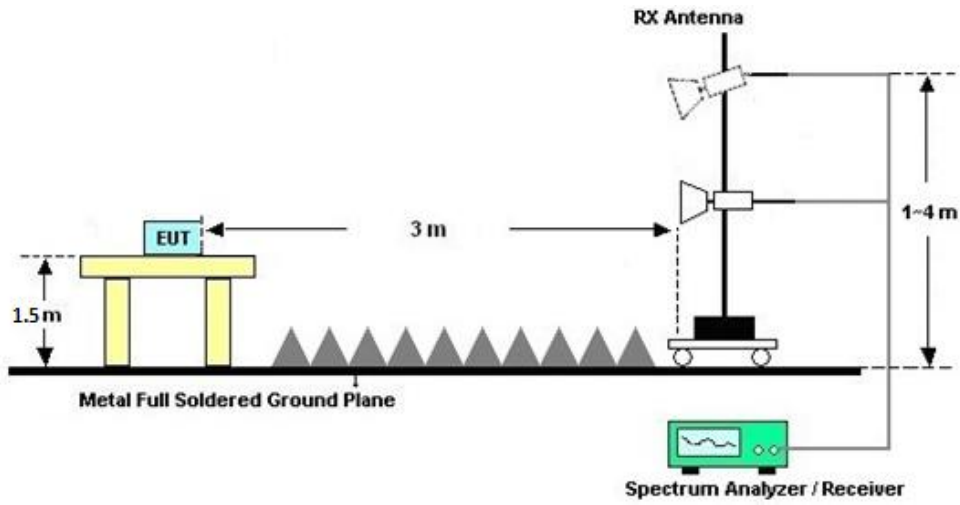
For radiated emissions from 30MHz to 1GHz



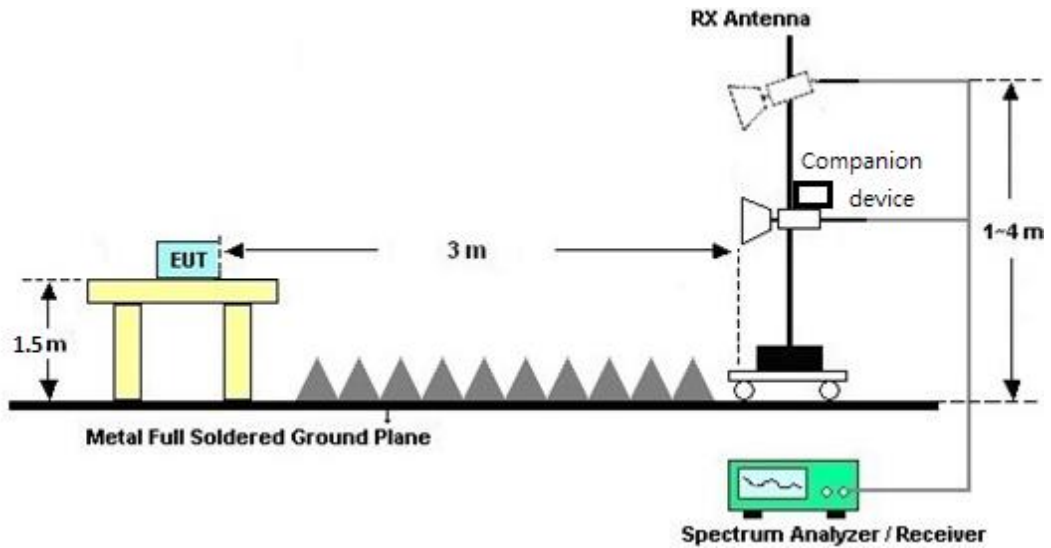
<TXBF Modes>



For radiated emissions above 1GHz



<TXBF Modes>



**3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

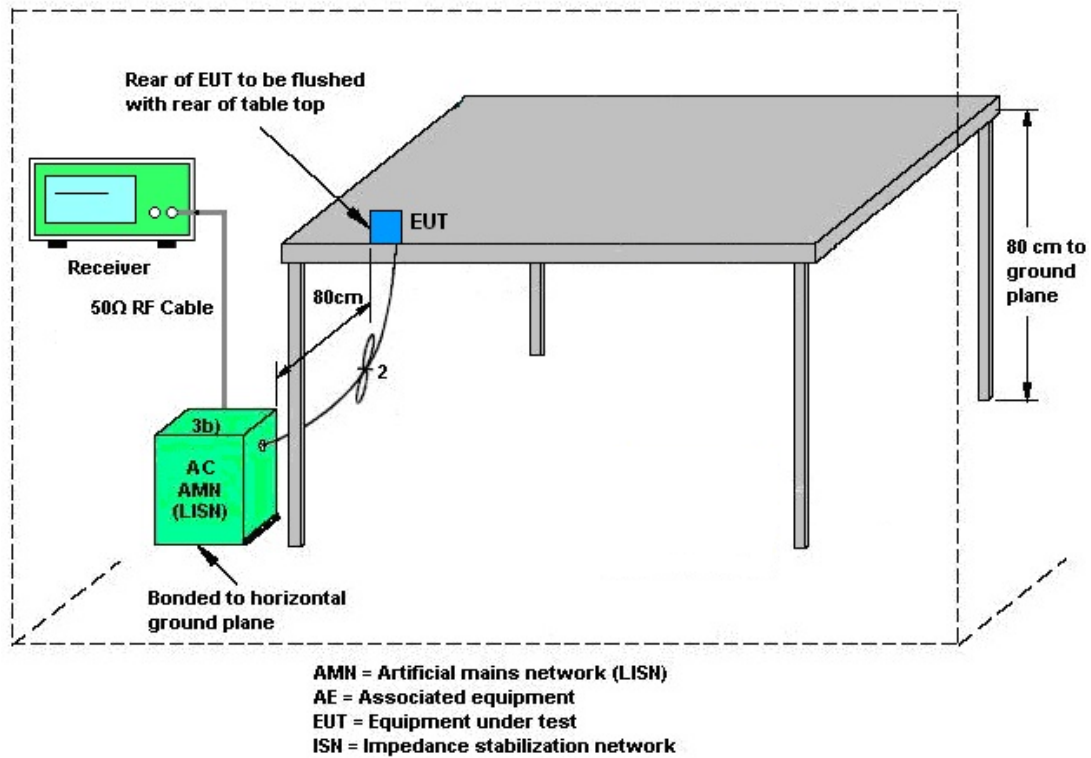
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2), if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

<TXBF Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For TXBF transmissions, directional gain is calculated as

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;

G_k is the gain in dBi of the k th antenna.

The EUT supports beamforming for 802.11n/ac/ax modes.

The directional gain calculation is following F)2)e)ii).

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

Frequency Band	Max Single Antenna gain (dBi)				CDD DG (dBi)		TXBF DG (dBi)	
	ANT1	ANT2	ANT3	ANT4	For Power	For PSD	For Power	For PSD
5GHz UNII-1	3.39	3.99	3.38	3.93	0.62	3.71	3.71	3.71
5GHz UNII-2A	2.95	3.72	3.17	4.13	0.62	3.90	3.90	3.90
5GHz UNII-2C	3.70	4.43	3.28	4.23	1.68	4.45	4.45	4.45
5GHz UNII-3	3.27	3.54	3.25	4.05	0.87	4.56	4.56	4.56

Note:

1. Please refer to the antenna report for the maximum Single antenna gain and CDD (Cyclic Delay Diversity) directional gain and TXBF (Tx Beamforming) directional gain.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Oct. 11 2024~Nov. 11, 2024	Oct. 09, 2025	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 02, 2024	Oct. 11 2024~Nov. 11, 2024	Jan. 01, 2025	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 02, 2024	Oct. 11 2024~Nov. 11, 2024	Jan. 01, 2025	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY57290151	3Hz~8.5GHz; Max 30dBm	Jul. 04, 2024	Oct. 31, 2024	Jul. 03, 2025	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY60242126	10Hz~44GHz, MAX 30dB	Oct. 10, 2024	Oct. 31, 2024	Oct. 09, 2025	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Oct. 31, 2024	Sep. 07, 2025	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49921	30MHz~1GHz	Apr. 18, 2024	Oct. 31, 2024	Apr. 17, 2025	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218642	1GHz~18GHz	Apr. 11, 2024	Oct. 31, 2024	Apr. 10, 2025	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 06, 2024	Oct. 31, 2024	Jan. 05, 2025	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	381512	9KHz~1GHz	Jan. 02, 2024	Oct. 31, 2024	Jan. 01, 2025	Radiation (03CH05-KS)
Amplifier	EM	EM18G40GA	060852	18~40GHz	Jan. 02, 2024	Oct. 31, 2024	Jan. 01, 2025	Radiation (03CH05-KS)
high gain Amplifier	EM	EM01G18GA	060843	1Ghz~18Ghz	Jan. 03, 2024	Oct. 31, 2024	Jan. 02, 2025	Radiation (03CH05-KS)
Amplifier	EM	EM01G18GA	060833	1Ghz~18Ghz	Jan. 03, 2024	Oct. 31, 2024	Jan. 02, 2025	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Oct. 31, 2024	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Oct. 31, 2024	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Oct. 31, 2024	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 18, 2024	Sep. 25, 2024	Apr. 17, 2025	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Aug. 20, 2024	Sep. 25, 2024	Aug. 19, 2025	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 18, 2024	Sep. 25, 2024	Apr. 17, 2025	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 09, 2024	Sep. 25, 2024	Oct. 08, 2025	Conduction (CO01-KS)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Conducted Power Spectral Density	±0.90 dB
Frequency	±0.4 Hz

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.84 dB
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Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.30 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.02 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.22 dB
---	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.34 dB
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----- THE END -----



Appendix A. Conducted Test Results

Report Number : FR483017B

Test Engineer:	Jiang Jun	Temperature:	21~25	°C
Test Date:	2024.10.11~2024.11.11	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

FCC Band I																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Ant	Average Conducted Power with duty factor (dBm)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
							Ant 1	Ant 2	Ant 3	Ant 4	SUM						
11a	6Mbps	4	36	5180		1+2+3+4	22.26	22.19	22.14	21.91	28.15	30.00	0.62	28.77	-	Pass	22.5
11a	6Mbps	4	44	5220		1+2+3+4	22.63	22.49	22.43	22.75	28.60	30.00	0.62	29.22	-	Pass	23
11a	6Mbps	4	48	5240		1+2+3+4	21.92	21.68	21.97	22.98	28.19	30.00	0.62	28.81	-	Pass	22.5
HT20	MCS0	4	36	5180		1+2+3+4	20.74	20.86	20.73	20.41	26.71	30.00	0.62	27.33	-	Pass	21.5
HT20	MCS0	4	44	5220		1+2+3+4	22.28	22.35	22.01	22.36	28.27	30.00	0.62	28.89	-	Pass	23
HT20	MCS0	4	48	5240		1+2+3+4	21.67	21.66	21.61	22.60	27.93	30.00	0.62	28.55	-	Pass	22.5
HT40	MCS0	4	38	5190		1+2+3+4	20.55	20.45	20.49	20.49	26.52	30.00	0.62	27.14	-	Pass	21
HT40	MCS0	4	46	5230		1+2+3+4	22.38	22.38	22.31	22.91	28.52	30.00	0.62	29.14	-	Pass	23
VHT20	MCS0	4	36	5180		1+2+3+4	20.77	20.90	20.77	20.45	26.75	30.00	0.62	27.37	-	Pass	21.5
VHT20	MCS0	4	44	5220		1+2+3+4	22.32	22.41	22.08	22.40	28.33	30.00	0.62	28.95	-	Pass	23
VHT20	MCS0	4	48	5240		1+2+3+4	21.72	21.69	21.67	22.64	27.97	30.00	0.62	28.59	-	Pass	22.5
VHT40	MCS0	4	38	5190		1+2+3+4	20.61	20.51	20.55	20.55	26.58	30.00	0.62	27.20	-	Pass	21
VHT40	MCS0	4	46	5230		1+2+3+4	22.44	22.42	22.37	22.97	28.58	30.00	0.62	29.20	-	Pass	23
VHT80	MCS0	4	42	5210		1+2+3+4	19.14	19.45	18.96	19.04	25.17	30.00	0.62	25.79	-	Pass	20
VHT160	MCS0	4	50	5250		1+2+3+4	16.93	17.02	16.91	17.53	23.13	30.00	0.62	23.75	-	Pass	17.5
HE20	MCS0	4	36	5180	Full	1+2+3+4	21.62	21.59	21.50	21.26	27.52	30.00	0.62	28.14	-	Pass	22
HE20	MCS0	4	36	5180	4*52ru	1+2+3+4	18.30	18.28	18.36	18.62	24.41	30.00	0.62	25.03	-	Pass	18.5
HE20	MCS0	4	44	5220	Full	1+2+3+4	22.92	22.90	22.85	23.08	28.96	30.00	0.62	29.58	-	Pass	23.5
HE20	MCS0	4	44	5220	4*52ru	1+2+3+4	22.06	22.05	22.00	21.99	28.05	30.00	0.62	28.67	-	Pass	22
HE20	MCS0	4	48	5240	Full	1+2+3+4	22.34	22.22	22.42	22.91	28.50	30.00	0.62	29.12	-	Pass	23
HE20	MCS0	4	48	5240	4*52ru	1+2+3+4	22.09	21.36	21.48	21.40	27.61	30.00	0.62	28.23	-	Pass	21.5
HE40	MCS0	4	38	5190	Full	1+2+3+4	20.14	20.33	20.48	20.62	26.42	30.00	0.62	27.04	-	Pass	21
HE40	MCS0	4	38	5190	8*52ru	1+2+3+4	19.54	19.56	19.64	19.89	25.68	30.00	0.62	26.30	-	Pass	20
HE40	MCS0	4	46	5230	Full	1+2+3+4	22.99	22.35	22.65	22.50	28.65	30.00	0.62	29.27	-	Pass	23
HE40	MCS0	4	46	5230	8*52ru	1+2+3+4	21.83	21.20	21.56	21.26	27.49	30.00	0.62	28.11	-	Pass	21.5
HE80	MCS0	4	42	5210	Full	1+2+3+4	19.47	19.79	19.86	19.72	25.73	30.00	0.62	26.35	-	Pass	20.5
HE80	MCS0	4	42	5210	8*106ru	1+2+3+4	18.58	18.71	18.83	18.68	24.72	30.00	0.62	25.34	-	Pass	19
HE160	MCS0	4	50	5250	Full	1+2+3+4	18.29	17.14	17.65	17.62	23.71	30.00	0.62	24.33	-	Pass	18
HE160	MCS0	4	50	5250	8*242ru	1+2+3+4	16.75	16.51	17.07	16.91	22.84	30.00	0.62	23.46	-	Pass	17
EHT20	MCS0	4	36	5180	Full	1+2+3+4	21.70	21.54	21.48	21.41	27.55	30.00	0.62	28.17	-	Pass	22
EHT20	MCS0	4	36	5180	4*52ru	1+2+3+4	18.49	18.53	18.58	18.73	24.60	30.00	0.62	25.22	-	Pass	18.5
EHT20	MCS0	4	44	5220	Full	1+2+3+4	23.12	23.14	23.11	23.42	29.22	30.00	0.62	29.84	-	Pass	23.5
EHT20	MCS0	4	44	5220	4*52ru	1+2+3+4	22.32	22.27	22.24	22.27	28.30	30.00	0.62	28.92	-	Pass	22
EHT20	MCS0	4	48	5240	Full	1+2+3+4	22.63	22.36	22.62	23.11	28.71	30.00	0.62	29.33	-	Pass	23
EHT20	MCS0	4	48	5240	4*52ru	1+2+3+4	21.61	21.43	21.68	22.25	27.77	30.00	0.62	28.39	-	Pass	21.5
EHT40	MCS0	4	38	5190	Full	1+2+3+4	20.70	20.80	20.78	20.95	26.83	30.00	0.62	27.45	-	Pass	21.5
EHT40	MCS0	4	38	5190	8*52ru	1+2+3+4	19.80	19.75	19.76	19.91	25.83	30.00	0.62	26.45	-	Pass	20
EHT40	MCS0	4	46	5230	Full	1+2+3+4	22.94	22.77	22.95	23.42	29.05	30.00	0.62	29.67	-	Pass	23.5
EHT40	MCS0	4	46	5230	8*52ru	1+2+3+4	22.04	21.98	22.00	22.43	28.14	30.00	0.62	28.76	-	Pass	22
EHT80	MCS0	4	42	5210	Full	1+2+3+4	19.76	19.89	19.72	19.60	25.76	30.00	0.62	26.38	-	Pass	20.5
EHT80	MCS0	4	42	5210	8*106ru	1+2+3+4	18.96	18.96	18.70	18.76	24.87	30.00	0.62	25.49	-	Pass	19
EHT80	MCS0	4	42	5210	Puncturing 20M ①	1+2+3+4	18.06	18.02	18.10	17.98	24.06	30.00	0.62	24.68	-	Pass	18
EHT160	MCS0	4	50	5250	Full	1+2+3+4	17.65	17.41	17.59	18.63	23.87	30.00	0.62	24.49	-	Pass	18
EHT160	MCS0	4	50	5250	8*242ru	1+2+3+4	17.10	16.92	17.35	17.14	23.15	30.00	0.62	23.77	-	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 20M ①	1+2+3+4	16.87	17.05	16.93	17.12	23.01	30.00	0.62	23.63	-	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 20M ②	1+2+3+4	17.03	17.09	16.99	17.30	23.12	30.00	0.62	23.74	-	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 40M ①	1+2+3+4	15.86	15.93	15.91	15.90	21.92	30.00	0.62	22.54	-	Pass	16
EHT160	MCS0	4	50	5250	Puncturing 40M ②	1+2+3+4	16.02	16.10	16.03	16.11	22.09	30.00	0.62	22.71	-	Pass	16

TEST RESULTS DATA
Average Power Table

FCC Band II																	
Mod.	Data Rate	Nrx	CH.	Freq. (MHz)	RU Config	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
							Ant 1	Ant 2	Ant 3	Ant 4	SUM						
11a	6Mbps	4	52	5260		1+2+3+4	16.39	16.23	16.45	16.23	22.35	23.98	0.62	22.97	30.00	Pass	17
11a	6Mbps	4	60	5300		1+2+3+4	16.80	16.47	16.51	16.82	22.67	23.98	0.62	23.29	30.00	Pass	17
11a	6Mbps	4	64	5320		1+2+3+4	16.60	16.00	15.98	16.35	22.26	23.98	0.62	22.88	30.00	Pass	17
HT20	MCS0	4	52	5260		1+2+3+4	16.02	16.08	16.13	15.97	22.07	23.98	0.62	22.69	30.00	Pass	17
HT20	MCS0	4	60	5300		1+2+3+4	16.51	16.34	16.12	16.50	22.39	23.98	0.62	23.01	30.00	Pass	17
HT20	MCS0	4	64	5320		1+2+3+4	16.36	15.79	15.64	16.07	21.99	23.98	0.62	22.61	30.00	Pass	17
HT40	MCS0	4	54	5270		1+2+3+4	17.13	17.07	17.02	17.37	23.17	23.98	0.62	23.79	30.00	Pass	18
HT40	MCS0	4	62	5310		1+2+3+4	17.57	16.93	16.76	17.35	23.19	23.98	0.62	23.81	30.00	Pass	18
VHT20	MCS0	4	52	5260		1+2+3+4	16.08	16.15	16.18	16.01	22.13	23.98	0.62	22.75	30.00	Pass	17
VHT20	MCS0	4	60	5300		1+2+3+4	16.54	16.38	16.18	16.55	22.44	23.98	0.62	23.06	30.00	Pass	17
VHT20	MCS0	4	64	5320		1+2+3+4	16.40	15.84	15.70	16.11	22.04	23.98	0.62	22.66	30.00	Pass	17
VHT40	MCS0	4	54	5270		1+2+3+4	17.17	17.13	17.06	17.43	23.22	23.98	0.62	23.84	30.00	Pass	18
VHT40	MCS0	4	62	5310		1+2+3+4	17.61	16.96	16.82	17.42	23.24	23.98	0.62	23.86	30.00	Pass	18
VHT80	MCS0	4	58	5290		1+2+3+4	17.38	17.31	16.89	17.25	23.23	23.98	0.62	23.85	30.00	Pass	18
VHT160	MCS0	4	50	5250		1+2+3+4	16.93	17.02	16.91	17.53	23.13	23.98	0.62	23.75	30.00	Pass	17.5
HE20	MCS0	4	52	5260	Full	1+2+3+4	16.75	16.76	16.90	17.05	22.89	23.98	0.62	23.51	30.00	Pass	17.5
HE20	MCS0	4	52	5260	4*52ru	1+2+3+4	15.46	15.72	16.03	16.03	21.84	23.98	0.62	22.46	30.00	Pass	16
HE20	MCS0	4	60	5300	Full	1+2+3+4	17.03	16.86	17.25	17.23	23.12	23.98	0.62	23.74	30.00	Pass	17.5
HE20	MCS0	4	60	5300	4*52ru	1+2+3+4	16.13	15.99	16.09	16.29	22.15	23.98	0.62	22.77	30.00	Pass	16
HE20	MCS0	4	64	5320	Full	1+2+3+4	16.93	16.27	16.60	16.93	22.71	23.98	0.62	23.33	30.00	Pass	17.5
HE20	MCS0	4	64	5320	4*52ru	1+2+3+4	16.11	15.43	15.66	15.94	21.81	23.98	0.62	22.43	30.00	Pass	16
HE40	MCS0	4	54	5270	Full	1+2+3+4	17.41	17.10	17.35	17.27	23.30	23.98	0.62	23.92	30.00	Pass	18
HE40	MCS0	4	54	5270	8*52ru	1+2+3+4	15.96	16.63	16.83	16.76	22.58	23.98	0.62	23.20	30.00	Pass	17
HE40	MCS0	4	62	5310	Full	1+2+3+4	17.52	16.75	17.05	17.44	23.22	23.98	0.62	23.84	30.00	Pass	18
HE40	MCS0	4	62	5310	8*52ru	1+2+3+4	16.42	15.85	16.16	16.33	22.22	23.98	0.62	22.84	30.00	Pass	16.5
HE80	MCS0	4	58	5290	Full	1+2+3+4	17.84	17.52	18.00	18.01	23.87	23.98	0.62	24.49	30.00	Pass	18.5
HE80	MCS0	4	58	5290	8*106ru	1+2+3+4	16.54	16.55	16.79	16.84	22.70	23.98	0.62	23.32	30.00	Pass	16.5
HE160	MCS0	4	50	5250	Full	1+2+3+4	18.29	17.14	17.65	17.62	23.71	23.98	0.62	24.33	30.00	Pass	18
HE160	MCS0	4	50	5250	8*242ru	1+2+3+4	16.75	16.51	17.07	16.91	22.84	23.98	0.62	23.46	30.00	Pass	17
EHT20	MCS0	4	52	5260	Full	1+2+3+4	16.77	16.68	16.94	17.10	22.90	23.98	0.62	23.52	30.00	Pass	17.5
EHT20	MCS0	4	52	5260	4*52ru	1+2+3+4	16.11	15.82	16.22	15.64	21.97	23.98	0.62	22.59	30.00	Pass	16
EHT20	MCS0	4	60	5300	Full	1+2+3+4	17.27	16.99	16.97	17.28	23.15	23.98	0.62	23.77	30.00	Pass	17.5
EHT20	MCS0	4	60	5300	4*52ru	1+2+3+4	16.59	16.12	16.17	16.42	22.35	23.98	0.62	22.97	30.00	Pass	16
EHT20	MCS0	4	64	5320	Full	1+2+3+4	17.16	16.36	16.55	16.89	22.77	23.98	0.62	23.39	30.00	Pass	17.5
EHT20	MCS0	4	64	5320	4*52ru	1+2+3+4	16.38	15.67	15.69	16.10	21.99	23.98	0.62	22.61	30.00	Pass	16
EHT40	MCS0	4	54	5270	Full	1+2+3+4	17.70	17.53	17.57	18.31	23.81	23.98	0.62	24.43	30.00	Pass	18.5
EHT40	MCS0	4	54	5270	8*52ru	1+2+3+4	16.77	16.80	16.86	16.22	22.69	23.98	0.62	23.31	30.00	Pass	17
EHT40	MCS0	4	62	5310	Full	1+2+3+4	18.06	17.36	17.37	17.86	23.69	23.98	0.62	24.31	30.00	Pass	18.5
EHT40	MCS0	4	62	5310	8*52ru	1+2+3+4	17.09	16.48	16.48	16.96	22.78	23.98	0.62	23.40	30.00	Pass	17
EHT80	MCS0	4	58	5290	Full	1+2+3+4	18.05	17.84	17.80	18.05	23.96	23.98	0.62	24.58	30.00	Pass	18.5
EHT80	MCS0	4	58	5290	8*106ru	1+2+3+4	17.23	17.00	16.91	17.09	23.08	23.98	0.62	23.70	30.00	Pass	17
EHT80	MCS0	4	58	5290	Puncturing 20M ①	1+2+3+4	16.48	16.41	16.24	16.52	22.43	23.98	0.62	23.05	30.00	Pass	16.5
EHT160	MCS0	4	50	5250	Full	1+2+3+4	17.65	17.41	17.59	18.63	23.87	23.98	0.62	24.49	30.00	Pass	18
EHT160	MCS0	4	50	5250	8*242ru	1+2+3+4	17.10	16.92	17.35	17.14	23.15	23.98	0.62	23.77	30.00	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 20M ①	1+2+3+4	16.87	17.05	16.93	17.12	23.01	23.98	0.62	23.63	30.00	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 20M ②	1+2+3+4	17.03	17.09	16.99	17.30	23.12	23.98	0.62	23.74	30.00	Pass	17
EHT160	MCS0	4	50	5250	Puncturing 40M ①	1+2+3+4	15.86	15.93	15.91	15.90	21.92	23.98	0.62	22.54	30.00	Pass	16
EHT160	MCS0	4	50	5250	Puncturing 40M ②	1+2+3+4	16.02	16.10	16.03	16.11	22.09	23.98	0.62	22.71	30.00	Pass	16

TEST RESULTS DATA
Average Power Table

FCC Band III																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
							Ant 1	Ant 2	Ant 3	Ant 4	SUM						
11a	6Mbps	4	100	5500		1+2+3+4	16.39	16.12	16.22	16.55	22.34	23.98	1.68	24.02	30.00	Pass	17
11a	6Mbps	4	116	5580		1+2+3+4	16.61	16.16	16.27	16.68	22.46	23.98	1.68	24.14	30.00	Pass	17
11a	6Mbps	4	140	5700		1+2+3+4	16.56	16.21	16.28	16.70	22.46	23.98	1.68	24.14	30.00	Pass	17
11a	6Mbps	4	144	5720		1+2+3+4	16.67	16.21	16.35	16.94	22.57	23.98	1.68	24.25	30.00	Pass	17.5
HT20	MCS0	4	100	5500		1+2+3+4	16.11	15.96	15.95	16.29	22.10	23.98	1.68	23.78	30.00	Pass	17
HT20	MCS0	4	116	5580		1+2+3+4	16.29	16.03	15.86	16.45	22.18	23.98	1.68	23.86	30.00	Pass	17
HT20	MCS0	4	140	5700		1+2+3+4	16.31	16.12	15.80	16.38	22.18	23.98	1.68	23.86	30.00	Pass	17
HT20	MCS0	4	144	5720		1+2+3+4	16.40	16.10	16.13	16.70	22.36	23.98	1.68	24.04	30.00	Pass	17.5
HT40	MCS0	4	102	5510		1+2+3+4	17.35	17.05	16.95	17.27	23.18	23.98	1.68	24.86	30.00	Pass	18
HT40	MCS0	4	110	5550		1+2+3+4	17.34	17.23	16.90	17.51	23.27	23.98	1.68	24.95	30.00	Pass	18
HT40	MCS0	4	134	5670		1+2+3+4	17.41	17.09	17.24	17.52	23.34	23.98	1.68	25.02	30.00	Pass	18
HT40	MCS0	4	142	5710		1+2+3+4	16.90	16.85	16.76	17.39	23.00	23.98	1.68	24.68	30.00	Pass	18
VHT20	MCS0	4	100	5500		1+2+3+4	16.15	16.00	16.01	16.35	22.15	23.98	1.68	23.83	30.00	Pass	17
VHT20	MCS0	4	116	5580		1+2+3+4	16.33	16.10	15.91	16.52	22.24	23.98	1.68	23.92	30.00	Pass	17
VHT20	MCS0	4	140	5700		1+2+3+4	16.34	16.15	15.86	16.44	22.22	23.98	1.68	23.90	30.00	Pass	17
VHT20	MCS0	4	144	5720		1+2+3+4	16.46	16.15	16.20	16.76	22.42	23.98	1.68	24.10	30.00	Pass	17.5
VHT40	MCS0	4	102	5510		1+2+3+4	17.39	17.10	17.00	17.32	23.23	23.98	1.68	24.91	30.00	Pass	18
VHT40	MCS0	4	110	5550		1+2+3+4	17.39	17.26	16.96	17.57	23.32	23.98	1.68	25.00	30.00	Pass	18
VHT40	MCS0	4	134	5670		1+2+3+4	17.45	17.13	17.30	17.58	23.39	23.98	1.68	25.07	30.00	Pass	18
VHT40	MCS0	4	142	5710		1+2+3+4	16.97	16.89	16.83	17.46	23.07	23.98	1.68	24.75	30.00	Pass	18
VHT80	MCS0	4	106	5530		1+2+3+4	17.11	16.86	16.85	17.19	23.03	23.98	1.68	24.71	30.00	Pass	18
VHT80	MCS0	4	122	5610		1+2+3+4	17.30	17.15	16.80	17.68	23.26	23.98	1.68	24.94	30.00	Pass	18
VHT80	MCS0	4	138	5690		1+2+3+4	17.24	17.37	17.11	17.39	23.30	23.98	1.68	24.98	30.00	Pass	18
VHT160	MCS0	4	114	5570		1+2+3+4	17.30	17.19	17.38	17.81	23.45	23.98	1.68	25.13	30.00	Pass	18
HE20	MCS0	4	100	5500	Full	1+2+3+4	16.68	16.55	16.63	17.06	22.76	23.98	1.68	24.44	30.00	Pass	17.5
HE20	MCS0	4	100	5500	4*52ru	1+2+3+4	15.12	15.26	15.33	15.48	21.32	23.98	1.68	23.00	30.00	Pass	15.5
HE20	MCS0	4	116	5580	Full	1+2+3+4	16.99	16.43	16.87	17.28	22.92	23.98	1.68	24.60	30.00	Pass	17.5
HE20	MCS0	4	116	5580	4*52ru	1+2+3+4	15.53	15.08	15.19	15.74	21.41	23.98	1.68	23.09	30.00	Pass	15.5
HE20	MCS0	4	140	5700	Full	1+2+3+4	16.82	16.62	16.70	17.15	22.85	23.98	1.68	24.53	30.00	Pass	17.5
HE20	MCS0	4	140	5700	4*52ru	1+2+3+4	15.99	15.80	15.85	16.09	21.95	23.98	1.68	23.63	30.00	Pass	16
HE20	MCS0	4	144	5720	Full	1+2+3+4	16.84	16.69	16.90	17.31	22.96	23.98	1.68	24.64	30.00	Pass	18
HE20	MCS0	4	144	5720	4*52ru	1+2+3+4	15.48	15.39	15.63	15.95	21.64	23.98	1.68	23.32	30.00	Pass	16
HE40	MCS0	4	102	5510	Full	1+2+3+4	17.17	17.07	17.24	17.45	23.26	23.98	1.68	24.94	30.00	Pass	18
HE40	MCS0	4	102	5510	8*52ru	1+2+3+4	16.27	16.08	16.26	16.27	22.24	23.98	1.68	23.92	30.00	Pass	16.5
HE40	MCS0	4	110	5550	Full	1+2+3+4	17.09	17.17	17.00	17.54	23.23	23.98	1.68	24.91	30.00	Pass	18
HE40	MCS0	4	110	5550	8*52ru	1+2+3+4	16.28	16.08	16.05	16.46	22.24	23.98	1.68	23.92	30.00	Pass	16.5
HE40	MCS0	4	134	5670	Full	1+2+3+4	17.44	17.05	17.41	17.44	23.36	23.98	1.68	25.04	30.00	Pass	18
HE40	MCS0	4	134	5670	8*52ru	1+2+3+4	16.55	16.17	16.30	16.47	22.40	23.98	1.68	24.08	30.00	Pass	16.5
HE40	MCS0	4	142	5710	Full	1+2+3+4	17.10	16.86	17.01	17.33	23.10	23.98	1.68	24.78	30.00	Pass	18
HE40	MCS0	4	142	5710	8*52ru	1+2+3+4	16.05	15.73	16.10	16.40	22.10	23.98	1.68	23.78	30.00	Pass	16.5
HE80	MCS0	4	106	5530	Full	1+2+3+4	17.46	17.41	17.62	17.99	23.65	23.98	1.68	25.33	30.00	Pass	18.5
HE80	MCS0	4	106	5530	8*106ru	1+2+3+4	16.42	16.15	16.44	16.78	22.47	23.98	1.68	24.15	30.00	Pass	16.5
HE80	MCS0	4	122	5610	Full	1+2+3+4	18.12	17.46	17.58	17.98	23.81	23.98	1.68	25.49	30.00	Pass	18.5
HE80	MCS0	4	122	5610	8*106ru	1+2+3+4	16.75	16.34	16.46	16.82	22.62	23.98	1.68	24.30	30.00	Pass	16.5
HE80	MCS0	4	138	5690	Full	1+2+3+4	17.74	17.73	17.87	17.94	23.84	23.98	1.68	25.52	30.00	Pass	18.5
HE80	MCS0	4	138	5690	8*106ru	1+2+3+4	16.71	16.59	16.71	16.71	22.70	23.98	1.68	24.38	30.00	Pass	16.5
HE160	MCS0	4	114	5570	Full	1+2+3+4	17.82	17.59	17.72	18.27	23.88	23.98	1.68	25.56	30.00	Pass	18.5
HE160	MCS0	4	114	5570	8*242ru	1+2+3+4	17.45	17.36	17.33	17.84	23.52	23.98	1.68	25.20	30.00	Pass	17.5
EHT20	MCS0	4	100	5500	Full	1+2+3+4	16.93	16.67	16.74	17.04	22.87	23.98	1.68	24.55	30.00	Pass	17.5
EHT20	MCS0	4	100	5500	4*52ru	1+2+3+4	15.53	15.43	15.45	15.50	21.50	23.98	1.68	23.18	30.00	Pass	15.5
EHT20	MCS0	4	116	5580	Full	1+2+3+4	17.13	16.65	16.75	17.24	22.97	23.98	1.68	24.65	30.00	Pass	17.5
EHT20	MCS0	4	116	5580	4*52ru	1+2+3+4	15.72	15.17	15.56	15.74	21.57	23.98	1.68	23.25	30.00	Pass	15.5
EHT20	MCS0	4	140	5700	Full	1+2+3+4	17.08	16.76	16.66	17.09	22.92	23.98	1.68	24.60	30.00	Pass	17.5
EHT20	MCS0	4	140	5700	4*52ru	1+2+3+4	16.20	16.00	16.02	16.16	22.12	23.98	1.68	23.80	30.00	Pass	16
EHT20	MCS0	4	144	5720	Full	1+2+3+4	17.02	16.68	16.93	17.29	23.01	23.98	1.68	24.69	30.00	Pass	18
EHT20	MCS0	4	144	5720	4*52ru	1+2+3+4	15.86	15.47	15.77	15.96	21.79	23.98	1.68	23.47	30.00	Pass	16
EHT40	MCS0	4	102	5510	Full	1+2+3+4	17.72	17.50	17.55	17.78	23.66	23.98	1.68	25.34	30.00	Pass	18.5
EHT40	MCS0	4	102	5510	8*52ru	1+2+3+4	16.87	16.53	16.78	16.97	22.81	23.98	1.68	24.49	30.00	Pass	17
EHT40	MCS0	4	110	5550	Full	1+2+3+4	17.76	17.57	17.42	17.98	23.71	23.98	1.68	25.39	30.00	Pass	18.5
EHT40	MCS0	4	110	5550	8*52ru	1+2+3+4	16.89	16.64	16.48	17.01	22.78	23.98	1.68	24.46	30.00	Pass	17
EHT40	MCS0	4	134	5670	Full	1+2+3+4	17.78	17.57	17.73	18.01	23.80	23.98	1.68	25.48	30.00	Pass	18.5
EHT40	MCS0	4	134	5670	8*52ru	1+2+3+4	17.07	16.63	16.80	17.14	22.94	23.98	1.68	24.62	30.00	Pass	17
EHT40	MCS0	4	142	5710	Full	1+2+3+4	17.40	17.27	17.41	17.86	23.51	23.98	1.68	25.19	30.00	Pass	18.

TEST RESULTS DATA
Average Power Table

Band IV																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power with duty factor (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)				Pass/ Fail	Power setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM		Ant 1	Ant 2	Ant 3	Ant 4		
11a	6Mbps	4	149	5745		23.25	23.01	23.17	23.37	29.22	30.00	0.87				Pass	24
11a	6Mbps	4	157	5785		23.22	22.68	22.94	23.35	29.08	30.00	0.87				Pass	24
11a	6Mbps	4	165	5825		22.53	22.07	22.40	22.59	28.42	30.00	0.87				Pass	23.5
HT20	MCS0	4	149	5745		22.84	22.72	22.82	22.78	28.81	30.00	0.87				Pass	23.5
HT20	MCS0	4	157	5785		22.69	22.19	22.46	22.67	28.53	30.00	0.87				Pass	23.5
HT20	MCS0	4	165	5825		22.62	22.17	22.49	22.58	28.49	30.00	0.87				Pass	23.5
HT40	MCS0	4	151	5755		22.21	22.03	22.01	22.18	28.13	30.00	0.87				Pass	23
HT40	MCS0	4	159	5795		21.90	21.51	21.70	22.08	27.82	30.00	0.87				Pass	23
VHT20	MCS0	4	149	5745		22.90	22.77	22.86	22.84	28.86	30.00	0.87				Pass	23.5
VHT20	MCS0	4	157	5785		22.72	22.25	22.53	22.73	28.58	30.00	0.87				Pass	23.5
VHT20	MCS0	4	165	5825		22.66	22.20	22.53	22.61	28.52	30.00	0.87				Pass	23.5
VHT40	MCS0	4	151	5755		22.27	22.08	22.07	22.21	28.18	30.00	0.87				Pass	23
VHT40	MCS0	4	159	5795		21.95	21.55	21.74	22.15	27.87	30.00	0.87				Pass	23
VHT80	MCS0	4	155	5775		21.73	22.04	21.86	22.26	28.00	30.00	0.87				Pass	23
HE20	MCS0	4	149	5745	Full	23.08	23.00	23.16	23.19	29.13	30.00	0.87				Pass	24
HE20	MCS0	4	149	5745	4*52ru	22.27	22.13	22.28	22.20	28.24	30.00	0.87				Pass	22.5
HE20	MCS0	4	157	5785	Full	23.15	22.50	22.92	23.25	28.99	30.00	0.87				Pass	24
HE20	MCS0	4	157	5785	4*52ru	22.21	21.76	22.10	22.25	28.10	30.00	0.87				Pass	22.5
HE20	MCS0	4	165	5825	Full	22.92	22.78	22.75	23.05	28.90	30.00	0.87				Pass	24
HE20	MCS0	4	165	5825	4*52ru	21.97	21.91	21.75	22.19	27.98	30.00	0.87				Pass	22.5
HE40	MCS0	4	151	5755	Full	22.06	22.03	22.15	21.98	28.08	30.00	0.87				Pass	23
HE40	MCS0	4	151	5755	8*52ru	21.41	21.37	21.47	21.22	27.39	30.00	0.87				Pass	22
HE40	MCS0	4	159	5795	Full	22.03	21.40	21.90	21.95	27.85	30.00	0.87				Pass	23
HE40	MCS0	4	159	5795	8*52ru	20.82	20.25	20.76	20.75	26.67	30.00	0.87				Pass	21.5
HE80	MCS0	4	155	5775	Full	22.42	22.36	22.77	22.69	28.58	30.00	0.87				Pass	23.5
HE80	MCS0	4	155	5775	8*106ru	20.96	20.94	21.44	21.30	27.19	30.00	0.87				Pass	21.5
EHT20	MCS0	4	149	5745	Full	23.43	23.20	23.40	23.44	29.39	30.00	0.87				Pass	24
EHT20	MCS0	4	149	5745	4*52ru	21.97	22.20	22.42	22.32	28.25	30.00	0.87				Pass	22.5
EHT20	MCS0	4	157	5785	Full	23.37	22.73	22.94	23.38	29.13	30.00	0.87				Pass	24
EHT20	MCS0	4	157	5785	4*52ru	22.46	21.83	22.20	22.34	28.23	30.00	0.87				Pass	22.5
EHT20	MCS0	4	165	5825	Full	23.19	22.80	23.01	23.19	29.07	30.00	0.87				Pass	24
EHT20	MCS0	4	165	5825	4*52ru	22.31	21.83	22.14	22.15	28.13	30.00	0.87				Pass	22.5
EHT40	MCS0	4	151	5755	Full	22.47	22.43	22.55	22.64	28.54	30.00	0.87				Pass	23.5
EHT40	MCS0	4	151	5755	8*52ru	21.50	21.51	21.49	21.51	27.52	30.00	0.87				Pass	22
EHT40	MCS0	4	159	5795	Full	22.38	22.10	22.27	22.66	28.38	30.00	0.87				Pass	23.5
EHT40	MCS0	4	159	5795	8*52ru	21.37	21.07	21.31	21.48	27.33	30.00	0.87				Pass	22
EHT80	MCS0	4	155	5775	Full	22.46	22.56	22.61	23.00	28.68	30.00	0.87				Pass	23.5
EHT80	MCS0	4	155	5775	8*106ru	21.37	21.54	21.78	21.84	27.66	30.00	0.87				Pass	22
EHT80	MCS0	4	155	5775	Puncturing 20M ①	21.16	21.12	21.21	21.60	27.30	30.00	0.87				Pass	21.5
EHT80	MCS0	4	155	5775	Puncturing 20M ②	21.21	21.22	21.17	21.49	27.29	30.00	0.87				Pass	21.5

For TX Beamforming

TEST RESULTS DATA
Average Power Table

FCC Band I																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average Conducted Power with duty factor (dBm)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						
VHT20	MCS0	4	36	5180	1+2+3+4	16.81	16.97	16.76	16.55	22.80	30.00	3.71	26.51	-	Pass	23
VHT20	MCS0	4	40	5200	1+2+3+4	20.64	20.80	21.07	21.18	26.95	30.00	3.71	30.66	-	Pass	27
VHT20	MCS0	4	44	5220	1+2+3+4	20.43	20.47	20.25	20.36	26.40	30.00	3.71	30.11	-	Pass	27
VHT20	MCS0	4	48	5240	1+2+3+4	20.32	20.34	20.48	20.27	26.37	30.00	3.71	30.08	-	Pass	27
VHT40	MCS0	4	38	5190	1+2+3+4	17.16	17.01	17.15	16.84	23.06	30.00	3.71	26.77	-	Pass	23
VHT40	MCS0	4	46	5230	1+2+3+4	19.76	20.00	20.21	19.47	25.89	30.00	3.71	29.60	-	Pass	26
VHT80	MCS0	4	42	5210	1+2+3+4	16.82	17.16	16.68	16.60	22.84	30.00	3.71	26.55	-	Pass	23
VHT160	MCS0	4	50	5250	1+2+3+4	16.72	16.92	17.08	16.41	22.81	30.00	3.71	26.52	-	Pass	23
HE20	MCS0	4	36	5180	1+2+3+4	17.02	17.18	17.15	17.01	23.11	30.00	3.71	26.82	-	Pass	23
HE20	MCS0	4	40	5200	1+2+3+4	20.66	20.89	20.97	21.24	26.97	30.00	3.71	30.68	-	Pass	27
HE20	MCS0	4	44	5220	1+2+3+4	20.81	20.78	20.88	20.88	26.86	30.00	3.71	30.57	-	Pass	27
HE20	MCS0	4	48	5240	1+2+3+4	20.78	20.86	21.14	20.69	26.89	30.00	3.71	30.60	-	Pass	27
HE40	MCS0	4	38	5190	1+2+3+4	16.71	16.91	16.71	16.94	22.84	30.00	3.71	26.55	-	Pass	23
HE40	MCS0	4	46	5230	1+2+3+4	19.83	19.78	19.73	19.64	25.77	30.00	3.71	29.48	-	Pass	26
HE80	MCS0	4	42	5210	1+2+3+4	16.74	17.13	16.67	16.61	22.81	30.00	3.71	26.52	-	Pass	23
HE160	MCS0	4	50	5250	1+2+3+4	16.61	16.84	17.12	16.74	22.85	30.00	3.71	26.56	-	Pass	23
EHT20	MCS0	4	36	5180	1+2+3+4	17.81	18.04	17.55	17.59	23.77	30.00	3.71	27.48	-	Pass	24
EHT20	MCS0	4	40	5200	1+2+3+4	21.56	21.48	21.59	22.11	27.71	30.00	3.71	31.42	-	Pass	28
EHT20	MCS0	4	44	5220	1+2+3+4	21.54	21.44	21.45	21.43	27.49	30.00	3.71	31.20	-	Pass	28
EHT20	MCS0	4	48	5240	1+2+3+4	21.33	21.48	21.42	21.22	27.38	30.00	3.71	31.09	-	Pass	28
EHT40	MCS0	4	38	5190	1+2+3+4	17.72	17.92	17.73	17.87	23.83	30.00	3.71	27.54	-	Pass	24
EHT40	MCS0	4	46	5230	1+2+3+4	20.76	20.96	21.06	20.53	26.85	30.00	3.71	30.56	-	Pass	27
EHT80	MCS0	4	42	5210	1+2+3+4	17.76	17.92	17.51	17.55	23.71	30.00	3.71	27.42	-	Pass	24
EHT160	MCS0	4	50	5250	1+2+3+4	17.51	17.69	17.64	17.27	23.55	30.00	3.71	27.26	-	Pass	24

TEST RESULTS DATA
Average Power Table

FCC Band II																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						
VHT20	MCS0	4	52	5260	1+2+3+4	15.31	15.48	15.62	15.22	21.43	23.98	3.90	25.33	30.00	Pass	22
VHT20	MCS0	4	60	5300	1+2+3+4	15.63	15.70	15.74	15.66	21.70	23.98	3.90	25.60	30.00	Pass	22
VHT20	MCS0	4	64	5320	1+2+3+4	15.98	15.51	15.70	15.50	21.70	23.98	3.90	25.60	30.00	Pass	22
VHT40	MCS0	4	54	5270	1+2+3+4	16.51	17.03	16.73	16.27	22.66	23.98	3.90	26.56	30.00	Pass	23
VHT40	MCS0	4	62	5310	1+2+3+4	15.86	15.59	15.60	15.47	21.65	23.98	3.90	25.55	30.00	Pass	22
VHT80	MCS0	4	58	5290	1+2+3+4	16.87	17.01	16.81	16.70	22.87	23.98	3.90	26.77	30.00	Pass	23
VHT160	MCS0	4	50	5250	1+2+3+4	16.72	16.92	17.08	16.41	22.81	23.98	3.90	26.71	30.00	Pass	23
HE20	MCS0	4	52	5260	1+2+3+4	15.24	15.86	16.21	15.85	21.82	23.98	3.90	25.72	30.00	Pass	22
HE20	MCS0	4	60	5300	1+2+3+4	15.93	16.20	16.33	16.04	22.15	23.98	3.90	26.05	30.00	Pass	22
HE20	MCS0	4	64	5320	1+2+3+4	15.76	15.63	15.77	15.79	21.76	23.98	3.90	25.66	30.00	Pass	22
HE40	MCS0	4	54	5270	1+2+3+4	16.76	16.93	16.89	16.80	22.87	23.98	3.90	26.77	30.00	Pass	23
HE40	MCS0	4	62	5310	1+2+3+4	15.89	15.58	15.72	15.69	21.74	23.98	3.90	25.64	30.00	Pass	22
HE80	MCS0	4	58	5290	1+2+3+4	16.77	17.00	17.19	16.98	23.01	23.98	3.90	26.91	30.00	Pass	23
HE160	MCS0	4	50	5250	1+2+3+4	16.61	16.84	17.12	16.74	22.85	23.98	3.90	26.75	30.00	Pass	23
EHT20	MCS0	4	52	5260	1+2+3+4	16.23	16.42	16.53	16.29	22.39	23.98	3.90	26.29	30.00	Pass	23
EHT20	MCS0	4	60	5300	1+2+3+4	16.71	16.63	16.71	16.61	22.69	23.98	3.90	26.59	30.00	Pass	23
EHT20	MCS0	4	64	5320	1+2+3+4	16.90	16.70	16.74	16.30	22.69	23.98	3.90	26.59	30.00	Pass	23
EHT40	MCS0	4	54	5270	1+2+3+4	17.57	17.77	17.75	16.98	23.55	23.98	3.90	27.45	30.00	Pass	24
EHT40	MCS0	4	62	5310	1+2+3+4	16.75	16.55	16.75	16.47	22.65	23.98	3.90	26.55	30.00	Pass	23
EHT80	MCS0	4	58	5290	1+2+3+4	17.60	17.77	17.69	17.39	23.64	23.98	3.90	27.54	30.00	Pass	24
EHT160	MCS0	4	50	5250	1+2+3+4	17.51	17.69	17.64	17.27	23.55	23.98	3.90	27.45	30.00	Pass	24

TEST RESULTS DATA
Average Power Table

FCC Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Ant	Average Conducted Power with Duty Factor (dB)					FCC Power Limit (dBm)	DG (dBi)	FCC EIRP Power (dBm)	FCC EIRP Power Limit (dBm)	Pass/Fail	Power setting
						Ant 1	Ant 2	Ant 3	Ant 4	SUM						
VHT20	MCS0	4	100	5500	1+2+3+4	15.66	15.93	15.64	15.64	21.74	23.98	4.45	26.19	30.00	Pass	22
VHT20	MCS0	4	116	5580	1+2+3+4	15.61	15.65	15.69	15.77	21.70	23.98	4.45	26.15	30.00	Pass	22
VHT20	MCS0	4	140	5700	1+2+3+4	15.68	16.04	15.65	15.46	21.73	23.98	4.45	26.18	30.00	Pass	22
VHT20	MCS0	4	144	5720	1+2+3+4	15.55	15.45	15.49	15.46	21.51	23.98	4.45	25.96	30.00	Pass	22
VHT40	MCS0	4	102	5510	1+2+3+4	15.81	15.57	15.64	15.61	21.68	23.98	4.45	26.13	30.00	Pass	22
VHT40	MCS0	4	110	5550	1+2+3+4	16.58	16.73	16.50	16.65	22.64	23.98	4.45	27.09	30.00	Pass	23
VHT40	MCS0	4	134	5670	1+2+3+4	16.81	16.80	16.64	16.51	22.71	23.98	4.45	27.16	30.00	Pass	23
VHT40	MCS0	4	142	5710	1+2+3+4	16.35	16.31	16.24	16.49	22.37	23.98	4.45	26.82	30.00	Pass	23
VHT80	MCS0	4	106	5530	1+2+3+4	15.58	15.69	15.69	15.58	21.66	23.98	4.45	26.11	30.00	Pass	22
VHT80	MCS0	4	122	5610	1+2+3+4	16.86	16.94	16.40	16.77	22.77	23.98	4.45	27.22	30.00	Pass	23
VHT80	MCS0	4	138	5690	1+2+3+4	16.74	16.98	16.82	16.63	22.81	23.98	4.45	27.26	30.00	Pass	27
VHT160	MCS0	4	114	5570	1+2+3+4	16.81	16.81	16.93	16.75	22.85	23.98	4.45	27.30	30.00	Pass	23
HE20	MCS0	4	100	5500	1+2+3+4	15.54	15.74	15.85	15.77	21.75	23.98	4.45	26.20	30.00	Pass	22
HE20	MCS0	4	116	5580	1+2+3+4	15.63	15.77	15.95	15.97	21.85	23.98	4.45	26.30	30.00	Pass	22
HE20	MCS0	4	140	5700	1+2+3+4	15.60	15.87	16.05	15.76	21.84	23.98	4.45	26.29	30.00	Pass	22
HE20	MCS0	4	144	5720	1+2+3+4	15.23	15.33	15.73	15.91	21.58	23.98	4.45	26.03	30.00	Pass	22
HE40	MCS0	4	102	5510	1+2+3+4	15.69	15.80	15.92	15.79	21.82	23.98	4.45	26.27	30.00	Pass	22
HE40	MCS0	4	110	5550	1+2+3+4	16.57	16.97	16.68	16.88	22.80	23.98	4.45	27.25	30.00	Pass	23
HE40	MCS0	4	134	5670	1+2+3+4	16.66	16.74	16.97	16.67	22.78	23.98	4.45	27.23	30.00	Pass	23
HE40	MCS0	4	142	5710	1+2+3+4	16.32	16.16	16.62	16.78	22.50	23.98	4.45	26.95	30.00	Pass	23
HE80	MCS0	4	106	5530	1+2+3+4	15.67	15.76	15.95	16.05	21.88	23.98	4.45	26.33	30.00	Pass	22
HE80	MCS0	4	122	5610	1+2+3+4	16.84	16.59	16.94	16.91	22.84	23.98	4.45	27.29	30.00	Pass	23
HE80	MCS0	4	138	5690	1+2+3+4	16.65	16.90	16.97	16.77	22.84	23.98	4.45	27.29	30.00	Pass	27
HE160	MCS0	4	114	5570	1+2+3+4	16.63	16.74	16.94	16.95	22.84	23.98	4.45	27.29	30.00	Pass	23
EHT20	MCS0	4	100	5500	1+2+3+4	16.78	16.64	16.48	16.47	22.61	23.98	4.45	27.06	30.00	Pass	23
EHT20	MCS0	4	116	5580	1+2+3+4	16.61	16.63	16.49	16.93	22.69	23.98	4.45	27.14	30.00	Pass	23
EHT20	MCS0	4	140	5700	1+2+3+4	16.57	16.76	16.37	16.40	22.55	23.98	4.45	27.00	30.00	Pass	23
EHT20	MCS0	4	144	5720	1+2+3+4	16.47	16.25	16.28	16.35	22.36	23.98	4.45	26.81	30.00	Pass	23
EHT40	MCS0	4	102	5510	1+2+3+4	16.54	16.36	16.68	16.47	22.53	23.98	4.45	26.98	30.00	Pass	23
EHT40	MCS0	4	110	5550	1+2+3+4	17.16	17.56	17.12	17.26	23.30	23.98	4.45	27.75	30.00	Pass	24
EHT40	MCS0	4	134	5670	1+2+3+4	17.56	17.60	17.36	17.52	23.53	23.98	4.45	27.98	30.00	Pass	24
EHT40	MCS0	4	142	5710	1+2+3+4	17.14	17.19	17.23	17.22	23.22	23.98	4.45	27.67	30.00	Pass	24
EHT80	MCS0	4	106	5530	1+2+3+4	16.54	16.50	16.64	16.48	22.56	23.98	4.45	27.01	30.00	Pass	23
EHT80	MCS0	4	122	5610	1+2+3+4	17.71	17.78	17.56	17.57	23.68	23.98	4.45	28.13	30.00	Pass	24
EHT80	MCS0	4	138	5690	1+2+3+4	17.61	17.91	17.69	17.40	23.68	23.98	4.45	28.13	30.00	Pass	24
EHT160	MCS0	4	114	5570	1+2+3+4	17.56	17.54	17.68	17.38	23.56	23.98	4.45	28.01	30.00	Pass	24

TEST RESULTS DATA
Average Power Table

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail	Power setting
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
VHT20	MCS0	4	149	5745	22.35	22.62	22.63	22.20	28.47	30.00	4.56	Pass	29
VHT20	MCS0	4	157	5785	20.49	20.10	20.48	20.03	26.30	30.00	4.56	Pass	27
VHT20	MCS0	4	165	5825	20.34	20.38	20.43	19.83	26.27	30.00	4.56	Pass	27
VHT40	MCS0	4	151	5755	20.23	20.40	20.48	20.04	26.31	30.00	4.56	Pass	27
VHT40	MCS0	4	159	5795	20.00	19.97	20.23	19.77	26.02	30.00	4.56	Pass	27
VHT80	MCS0	4	155	5775	20.08	20.57	20.51	20.02	26.32	30.00	4.56	Pass	27
HE20	MCS0	4	149	5745	22.34	22.33	22.72	22.37	28.46	30.00	4.56	Pass	29
HE20	MCS0	4	157	5785	19.94	20.11	20.62	20.37	26.29	30.00	4.56	Pass	27
HE20	MCS0	4	165	5825	19.99	20.14	20.64	20.09	26.24	30.00	4.56	Pass	27
HE40	MCS0	4	151	5755	20.18	20.35	20.64	20.20	26.37	30.00	4.56	Pass	27
HE40	MCS0	4	159	5795	20.00	19.87	20.41	19.86	26.06	30.00	4.56	Pass	27
HE80	MCS0	4	155	5775	19.95	20.27	20.82	20.35	26.38	30.00	4.56	Pass	27
EHT20	MCS0	4	149	5745	23.48	23.43	23.19	22.91	29.28	30.00	4.56	Pass	30
EHT20	MCS0	4	157	5785	21.20	21.24	21.37	21.07	27.24	30.00	4.56	Pass	28
EHT20	MCS0	4	165	5825	21.16	21.37	21.42	20.89	27.24	30.00	4.56	Pass	28
EHT40	MCS0	4	151	5755	21.13	21.48	21.20	20.89	27.20	30.00	4.56	Pass	28
EHT40	MCS0	4	159	5795	20.93	21.10	21.37	20.91	27.10	30.00	4.56	Pass	28
EHT80	MCS0	4	155	5775	20.94	21.56	21.42	21.14	27.29	30.00	4.56	Pass	28



<CDD mode>

Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	22.44	5168.83	5191.27	---	---
	Ant2	5180	22.11	5168.97	5191.08	---	---
	Ant3	5180	22.01	5169.16	5191.17	---	---
	Ant4	5180	22.20	5169.07	5191.27	---	---
	Ant1	5220	22.20	5209.07	5231.27	---	---
	Ant2	5220	22.11	5208.97	5231.08	---	---
	Ant3	5220	22.06	5209.16	5231.22	---	---
	Ant4	5220	22.15	5208.97	5231.12	---	---
	Ant1	5240	22.25	5229.07	5251.31	---	---
	Ant2	5240	22.15	5228.97	5251.12	---	---
	Ant3	5240	22.44	5229.16	5251.60	---	---
	Ant4	5240	22.20	5229.02	5251.22	---	---
	Ant1	5260	22.44	5248.83	5271.27	---	---
	Ant2	5260	22.44	5248.92	5271.36	---	---
	Ant3	5260	21.96	5249.16	5271.12	---	---
	Ant4	5260	22.25	5248.97	5271.22	---	---
	Ant1	5300	22.49	5288.78	5311.27	---	---
	Ant2	5300	22.39	5288.92	5311.31	---	---
	Ant3	5300	22.39	5288.78	5311.17	---	---
	Ant4	5300	22.20	5289.02	5311.22	---	---
	Ant1	5320	22.34	5308.97	5331.31	---	---
	Ant2	5320	22.82	5308.92	5331.74	---	---
	Ant3	5320	22.53	5309.11	5331.65	---	---
	Ant4	5320	22.20	5309.02	5331.22	---	---
	Ant1	5500	22.30	5488.97	5511.27	---	---
	Ant2	5500	22.58	5488.92	5511.51	---	---
	Ant3	5500	22.63	5488.78	5511.41	---	---
	Ant4	5500	22.39	5488.97	5511.36	---	---
	Ant1	5580	22.49	5568.78	5591.27	---	---
	Ant2	5580	22.15	5568.92	5591.08	---	---
	Ant3	5580	22.53	5569.02	5591.55	---	---
	Ant4	5580	22.25	5569.02	5591.27	---	---
	Ant1	5700	22.30	5689.02	5711.31	---	---



	Ant2	5700	22.11	5688.92	5711.03	---	---
	Ant3	5700	22.58	5688.83	5711.41	---	---
	Ant4	5700	22.30	5688.92	5711.22	---	---
	Ant1	5720	22.73	5708.78	5731.51	---	---
	Ant2	5720	22.11	5708.92	5731.03	---	---
	Ant3	5720	22.30	5709.07	5731.36	---	---
	Ant4	5720	22.20	5709.02	5731.22	---	---
	Ant1	5745	22.34	5733.83	5756.17	---	---
	Ant2	5745	22.30	5733.78	5756.08	---	---
	Ant3	5745	22.25	5733.92	5756.17	---	---
	Ant4	5745	22.25	5733.97	5756.22	---	---
	Ant1	5785	22.39	5773.88	5796.27	---	---
	Ant2	5785	22.15	5773.97	5796.12	---	---
	Ant3	5785	22.01	5774.11	5796.12	---	---
	Ant4	5785	22.20	5773.97	5796.17	---	---
	Ant1	5825	22.25	5813.97	5836.22	---	---
	Ant2	5825	22.15	5813.97	5836.12	---	---
	Ant3	5825	22.11	5813.97	5836.08	---	---
	Ant4	5825	22.11	5814.11	5836.22	---	---
11AC20MIMO	Ant1	5180	22.96	5168.49	5191.46	---	---
	Ant2	5180	23.06	5168.88	5191.93	---	---
	Ant3	5180	22.44	5168.78	5191.22	---	---
	Ant4	5180	22.63	5168.73	5191.36	---	---
	Ant1	5220	22.63	5208.49	5231.12	---	---
	Ant2	5220	22.73	5208.49	5231.22	---	---
	Ant3	5220	23.34	5208.11	5231.46	---	---
	Ant4	5220	23.01	5208.45	5231.46	---	---
	Ant1	5240	23.15	5228.54	5251.70	---	---
	Ant2	5240	22.92	5228.73	5251.65	---	---
	Ant3	5240	23.01	5228.69	5251.70	---	---
	Ant4	5240	23.11	5228.64	5251.74	---	---
	Ant1	5260	22.92	5248.49	5271.41	---	---
	Ant2	5260	22.77	5248.59	5271.36	---	---
	Ant3	5260	22.87	5248.78	5271.65	---	---
	Ant4	5260	22.82	5248.88	5271.70	---	---
	Ant1	5300	22.63	5288.69	5311.31	---	---
	Ant2	5300	23.44	5288.26	5311.70	---	---
	Ant3	5300	23.01	5288.54	5311.55	---	---
	Ant4	5300	23.06	5288.64	5311.70	---	---
	Ant1	5320	23.01	5308.59	5331.60	---	---
	Ant2	5320	23.11	5308.54	5331.65	---	---



	Ant3	5320	22.77	5308.59	5331.36	---	---
	Ant4	5320	23.01	5308.54	5331.55	---	---
	Ant1	5500	23.44	5488.49	5511.93	---	---
	Ant2	5500	23.20	5488.49	5511.70	---	---
	Ant3	5500	22.96	5488.49	5511.46	---	---
	Ant4	5500	23.06	5488.54	5511.60	---	---
	Ant1	5580	22.96	5568.69	5591.65	---	---
	Ant2	5580	23.11	5568.40	5591.51	---	---
	Ant3	5580	23.15	5568.54	5591.70	---	---
	Ant4	5580	23.15	5568.49	5591.65	---	---
	Ant1	5700	23.39	5688.40	5711.79	---	---
	Ant2	5700	23.01	5688.59	5711.60	---	---
	Ant3	5700	22.92	5688.45	5711.36	---	---
	Ant4	5700	23.39	5688.07	5711.46	---	---
	Ant1	5720	23.01	5708.59	5731.60	---	---
	Ant2	5720	23.39	5708.49	5731.89	---	---
	Ant3	5720	23.06	5708.45	5731.51	---	---
	Ant4	5720	23.25	5708.54	5731.79	---	---
	Ant1	5745	23.01	5733.54	5756.55	---	---
	Ant2	5745	22.92	5733.45	5756.36	---	---
	Ant3	5745	22.68	5733.64	5756.31	---	---
	Ant4	5745	23.39	5733.40	5756.79	---	---
	Ant1	5785	22.96	5773.49	5796.46	---	---
	Ant2	5785	22.96	5773.45	5796.41	---	---
	Ant3	5785	23.39	5773.54	5796.93	---	---
	Ant4	5785	22.92	5773.64	5796.55	---	---
	Ant1	5825	22.77	5813.59	5836.36	---	---
	Ant2	5825	23.30	5813.45	5836.74	---	---
	Ant3	5825	22.49	5813.73	5836.22	---	---
	Ant4	5825	23.01	5813.64	5836.65	---	---
11AC40MIMO	Ant1	5190	44.69	5168.13	5212.82	---	---
	Ant2	5190	44.88	5167.75	5212.63	---	---
	Ant3	5190	45.16	5167.56	5212.73	---	---
	Ant4	5190	46.12	5167.27	5213.39	---	---
	Ant1	5230	44.40	5207.94	5252.34	---	---
	Ant2	5230	45.45	5207.18	5252.63	---	---
	Ant3	5230	45.64	5207.27	5252.92	---	---
	Ant4	5230	45.45	5207.27	5252.73	---	---
	Ant1	5270	44.88	5247.56	5292.44	---	---
	Ant2	5270	45.16	5247.37	5292.53	---	---
	Ant3	5270	46.02	5246.99	5293.01	---	---



	Ant4	5270	46.12	5246.89	5293.01	---	---
	Ant1	5310	44.40	5287.85	5332.25	---	---
	Ant2	5310	44.88	5287.85	5332.73	---	---
	Ant3	5310	45.45	5287.08	5332.53	---	---
	Ant4	5310	45.35	5287.47	5332.82	---	---
	Ant1	5510	44.88	5487.66	5532.53	---	---
	Ant2	5510	44.97	5487.37	5532.34	---	---
	Ant3	5510	45.16	5487.56	5532.73	---	---
	Ant4	5510	46.21	5486.99	5533.20	---	---
	Ant1	5550	44.50	5527.66	5572.15	---	---
	Ant2	5550	44.78	5528.04	5572.82	---	---
	Ant3	5550	45.64	5527.37	5573.01	---	---
	Ant4	5550	45.93	5527.47	5573.39	---	---
	Ant1	5670	45.64	5647.37	5693.01	---	---
	Ant2	5670	44.78	5647.56	5692.34	---	---
	Ant3	5670	45.93	5646.89	5692.82	---	---
	Ant4	5670	46.12	5646.61	5692.73	---	---
	Ant1	5710	45.26	5687.47	5732.73	---	---
	Ant2	5710	44.59	5687.94	5732.53	---	---
	Ant3	5710	45.16	5687.66	5732.82	---	---
	Ant4	5710	46.02	5687.27	5733.30	---	---
	Ant1	5755	45.26	5732.47	5777.73	---	---
	Ant2	5755	45.07	5732.47	5777.53	---	---
	Ant3	5755	45.64	5732.18	5777.82	---	---
	Ant4	5755	45.26	5732.37	5777.63	---	---
	Ant1	5795	45.16	5772.56	5817.73	---	---
	Ant2	5795	45.07	5772.47	5817.53	---	---
	Ant3	5795	46.02	5772.27	5818.30	---	---
	Ant4	5795	46.50	5772.08	5818.58	---	---
11AC80MIMO	Ant1	5210	92.42	5163.60	5256.02	---	---
	Ant2	5210	92.04	5164.17	5256.21	---	---
	Ant3	5210	92.62	5163.60	5256.21	---	---
	Ant4	5210	92.42	5164.74	5257.17	---	---
	Ant1	5290	92.23	5243.60	5335.83	---	---
	Ant2	5290	94.14	5242.83	5336.97	---	---
	Ant3	5290	94.52	5242.26	5336.78	---	---
	Ant4	5290	94.14	5243.22	5337.36	---	---
	Ant1	5530	92.23	5483.22	5575.45	---	---
	Ant2	5530	91.85	5483.98	5575.83	---	---
	Ant3	5530	93.19	5483.60	5576.78	---	---
	Ant4	5530	94.14	5482.83	5576.97	---	---



	Ant1	5610	92.42	5563.60	5656.02	---	---
	Ant2	5610	92.23	5563.60	5655.83	---	---
	Ant3	5610	91.47	5564.36	5655.83	---	---
	Ant4	5610	93.38	5562.07	5655.45	---	---
	Ant1	5690	91.47	5643.98	5735.45	---	---
	Ant2	5690	90.71	5645.12	5735.83	---	---
	Ant3	5690	91.66	5644.74	5736.40	---	---
	Ant4	5690	93.95	5643.03	5736.97	---	---
	Ant1	5775	92.62	5727.83	5820.45	---	---
	Ant2	5775	90.14	5729.93	5820.07	---	---
	Ant3	5775	91.47	5729.93	5821.40	---	---
	Ant4	5775	92.81	5728.41	5821.21	---	---
11AC160MIMO	Ant1	5250	173.03	5164.05	5337.09	---	---
	Ant2	5250	173.03	5163.67	5336.71	---	---
	Ant3	5250	172.65	5164.44	5337.09	---	---
	Ant4	5250	174.94	5163.29	5338.23	---	---
	Ant1	5570	172.65	5484.05	5656.71	---	---
	Ant2	5570	172.27	5484.05	5656.33	---	---
	Ant3	5570	173.03	5482.91	5655.95	---	---
	Ant4	5570	173.03	5482.15	5655.18	---	---
11AX20MIMO	Ant1	5180	22.53	5168.92	5191.46	---	---
	Ant2	5180	23.01	5168.69	5191.70	---	---
	Ant3	5180	23.06	5168.69	5191.74	---	---
	Ant4	5180	23.20	5168.54	5191.74	---	---
	Ant1	5220	22.63	5208.73	5231.36	---	---
	Ant2	5220	23.11	5208.54	5231.65	---	---
	Ant3	5220	22.82	5208.83	5231.65	---	---
	Ant4	5220	22.53	5208.83	5231.36	---	---
	Ant1	5240	23.20	5228.78	5251.98	---	---
	Ant2	5240	22.92	5228.78	5251.70	---	---
	Ant3	5240	22.15	5229.07	5251.22	---	---
	Ant4	5240	22.96	5228.30	5251.27	---	---
	Ant1	5260	22.39	5248.92	5271.31	---	---
	Ant2	5260	22.49	5248.83	5271.31	---	---
	Ant3	5260	22.39	5248.83	5271.22	---	---
	Ant4	5260	22.25	5248.97	5271.22	---	---
	Ant1	5300	22.39	5288.92	5311.31	---	---
	Ant2	5300	22.63	5288.78	5311.41	---	---
	Ant3	5300	22.63	5288.69	5311.31	---	---
	Ant4	5300	22.44	5288.88	5311.31	---	---
	Ant1	5320	22.63	5308.73	5331.36	---	---



	Ant2	5320	22.20	5308.97	5331.17	---	---
	Ant3	5320	22.58	5308.92	5331.51	---	---
	Ant4	5320	22.82	5308.64	5331.46	---	---
	Ant1	5500	22.39	5488.92	5511.31	---	---
	Ant2	5500	22.63	5488.78	5511.41	---	---
	Ant3	5500	22.30	5488.92	5511.22	---	---
	Ant4	5500	22.82	5488.64	5511.46	---	---
	Ant1	5580	22.96	5568.30	5591.27	---	---
	Ant2	5580	22.63	5568.92	5591.55	---	---
	Ant3	5580	22.77	5568.73	5591.51	---	---
	Ant4	5580	22.34	5568.92	5591.27	---	---
	Ant1	5700	22.15	5688.97	5711.12	---	---
	Ant2	5700	22.82	5688.59	5711.41	---	---
	Ant3	5700	22.63	5688.83	5711.46	---	---
	Ant4	5700	22.73	5688.49	5711.22	---	---
	Ant1	5720	22.49	5708.83	5731.31	---	---
	Ant2	5720	22.20	5709.07	5731.27	---	---
	Ant3	5720	22.82	5708.69	5731.51	---	---
	Ant4	5720	22.58	5708.88	5731.46	---	---
	Ant1	5745	22.68	5733.78	5756.46	---	---
	Ant2	5745	23.01	5733.83	5756.84	---	---
	Ant3	5745	22.63	5733.92	5756.55	---	---
	Ant4	5745	22.58	5733.92	5756.51	---	---
	Ant1	5785	22.44	5773.88	5796.31	---	---
	Ant2	5785	22.39	5773.78	5796.17	---	---
	Ant3	5785	22.87	5773.69	5796.55	---	---
	Ant4	5785	22.30	5773.97	5796.27	---	---
	Ant1	5825	22.53	5813.73	5836.27	---	---
	Ant2	5825	22.58	5813.78	5836.36	---	---
	Ant3	5825	22.25	5813.97	5836.22	---	---
	Ant4	5825	22.39	5813.88	5836.27	---	---
11AX40MIMO	Ant1	5190	43.93	5168.61	5212.53	---	---
	Ant2	5190	43.35	5168.23	5211.58	---	---
	Ant3	5190	43.83	5168.04	5211.87	---	---
	Ant4	5190	43.26	5168.61	5211.87	---	---
	Ant1	5230	44.88	5207.47	5252.34	---	---
	Ant2	5230	43.64	5208.04	5251.68	---	---
	Ant3	5230	43.93	5208.13	5252.06	---	---
	Ant4	5230	43.83	5207.94	5251.77	---	---
	Ant1	5270	44.40	5247.27	5291.68	---	---
	Ant2	5270	43.83	5248.04	5291.87	---	---



	Ant3	5270	43.64	5248.32	5291.96	---	---
	Ant4	5270	44.02	5248.23	5292.25	---	---
	Ant1	5310	44.12	5287.85	5331.96	---	---
	Ant2	5310	44.69	5287.47	5332.15	---	---
	Ant3	5310	44.50	5287.94	5332.44	---	---
	Ant4	5310	43.64	5288.04	5331.68	---	---
	Ant1	5510	44.12	5488.13	5532.25	---	---
	Ant2	5510	43.93	5488.13	5532.06	---	---
	Ant3	5510	44.50	5487.85	5532.34	---	---
	Ant4	5510	43.64	5488.23	5531.87	---	---
	Ant1	5550	44.78	5527.18	5571.96	---	---
	Ant2	5550	44.31	5527.94	5572.25	---	---
	Ant3	5550	44.50	5527.47	5571.96	---	---
	Ant4	5550	44.12	5528.04	5572.15	---	---
	Ant1	5670	44.50	5648.04	5692.53	---	---
	Ant2	5670	43.93	5647.85	5691.77	---	---
	Ant3	5670	43.93	5648.13	5692.06	---	---
	Ant4	5670	44.69	5647.56	5692.25	---	---
	Ant1	5710	44.12	5687.85	5731.96	---	---
	Ant2	5710	43.64	5688.23	5731.87	---	---
	Ant3	5710	44.12	5687.85	5731.96	---	---
	Ant4	5710	43.45	5688.61	5732.06	---	---
	Ant1	5755	44.40	5732.66	5777.06	---	---
	Ant2	5755	44.02	5733.23	5777.25	---	---
	Ant3	5755	43.35	5733.42	5776.77	---	---
	Ant4	5755	43.83	5733.42	5777.25	---	---
	Ant1	5795	44.40	5772.66	5817.06	---	---
	Ant2	5795	44.02	5773.23	5817.25	---	---
	Ant3	5795	43.54	5773.51	5817.06	---	---
	Ant4	5795	43.45	5773.51	5816.96	---	---
11AX80MIMO	Ant1	5210	88.23	5165.69	5253.93	---	---
	Ant2	5210	89.19	5164.93	5254.12	---	---
	Ant3	5210	88.99	5165.50	5254.50	---	---
	Ant4	5210	89.95	5164.93	5254.88	---	---
	Ant1	5290	88.99	5245.88	5334.88	---	---
	Ant2	5290	89.19	5246.07	5335.26	---	---
	Ant3	5290	89.76	5244.93	5334.69	---	---
	Ant4	5290	89.19	5245.50	5334.69	---	---
	Ant1	5530	90.14	5484.17	5574.31	---	---
	Ant2	5530	89.38	5485.50	5574.88	---	---
	Ant3	5530	88.23	5486.07	5574.31	---	---



	Ant4	5530	88.61	5485.50	5574.12	---	---
	Ant1	5610	87.47	5566.07	5653.54	---	---
	Ant2	5610	88.42	5565.69	5654.12	---	---
	Ant3	5610	91.09	5564.93	5656.02	---	---
	Ant4	5610	88.42	5566.07	5654.50	---	---
	Ant1	5690	90.71	5643.98	5734.69	---	---
	Ant2	5690	88.04	5645.88	5733.93	---	---
	Ant3	5690	89.57	5645.50	5735.07	---	---
	Ant4	5690	87.47	5646.26	5733.74	---	---
	Ant1	5775	88.80	5730.88	5819.69	---	---
	Ant2	5775	88.23	5731.07	5819.31	---	---
	Ant3	5775	89.76	5729.74	5819.50	---	---
	Ant4	5775	90.33	5728.79	5819.12	---	---
	Ant1	5250	174.18	5162.15	5336.33	---	---
11AX160MIMO	Ant2	5250	173.80	5162.91	5336.71	---	---
	Ant3	5250	171.13	5165.58	5336.71	---	---
	Ant4	5250	170.75	5165.58	5336.33	---	---
	Ant1	5570	173.03	5483.29	5656.33	---	---
11BE20MIMO	Ant2	5570	173.80	5482.91	5656.71	---	---
	Ant3	5570	172.27	5483.67	5655.95	---	---
	Ant4	5570	173.42	5483.29	5656.71	---	---
	Ant1	5180	22.87	5168.92	5191.79	---	---
	Ant2	5180	23.34	5168.64	5191.98	---	---
	Ant3	5180	22.34	5168.92	5191.27	---	---
	Ant4	5180	22.39	5168.73	5191.12	---	---
	Ant1	5220	22.92	5208.73	5231.65	---	---
	Ant2	5220	23.25	5208.49	5231.74	---	---
	Ant3	5220	22.20	5209.02	5231.22	---	---
	Ant4	5220	22.82	5208.92	5231.74	---	---
	Ant1	5240	23.06	5228.92	5251.98	---	---
	Ant2	5240	23.58	5228.45	5252.03	---	---
	Ant3	5240	22.63	5228.78	5251.41	---	---
	Ant4	5240	22.49	5228.83	5251.31	---	---
	Ant1	5260	22.96	5248.78	5271.74	---	---
	Ant2	5260	23.11	5248.64	5271.74	---	---
	Ant3	5260	22.25	5248.88	5271.12	---	---
	Ant4	5260	22.58	5248.97	5271.55	---	---
	Ant1	5300	22.82	5288.83	5311.65	---	---
	Ant2	5300	22.34	5289.02	5311.36	---	---
	Ant3	5300	22.44	5288.78	5311.22	---	---
	Ant4	5300	22.44	5288.69	5311.12	---	---



	Ant1	5320	23.01	5308.78	5331.79	---	---
	Ant2	5320	23.58	5308.40	5331.98	---	---
	Ant3	5320	22.53	5308.83	5331.36	---	---
	Ant4	5320	22.77	5308.69	5331.46	---	---
	Ant1	5500	23.39	5488.54	5511.93	---	---
	Ant2	5500	23.15	5488.73	5511.89	---	---
	Ant3	5500	22.82	5488.78	5511.60	---	---
	Ant4	5500	23.15	5488.54	5511.70	---	---
	Ant1	5580	23.39	5568.54	5591.93	---	---
	Ant2	5580	22.92	5568.73	5591.65	---	---
	Ant3	5580	22.53	5568.73	5591.27	---	---
	Ant4	5580	23.11	5568.54	5591.65	---	---
	Ant1	5700	22.77	5688.78	5711.55	---	---
	Ant2	5700	23.34	5688.69	5712.03	---	---
	Ant3	5700	22.82	5688.64	5711.46	---	---
	Ant4	5700	22.68	5688.64	5711.31	---	---
	Ant1	5720	22.87	5708.73	5731.60	---	---
	Ant2	5720	23.54	5708.49	5732.03	---	---
	Ant3	5720	22.30	5708.88	5731.17	---	---
	Ant4	5720	23.34	5708.35	5731.70	---	---
	Ant1	5745	22.68	5733.78	5756.46	---	---
	Ant2	5745	22.96	5733.64	5756.60	---	---
	Ant3	5745	22.58	5733.69	5756.27	---	---
	Ant4	5745	23.25	5733.64	5756.89	---	---
	Ant1	5785	23.54	5773.40	5796.93	---	---
	Ant2	5785	23.20	5773.54	5796.74	---	---
	Ant3	5785	22.73	5773.69	5796.41	---	---
	Ant4	5785	22.77	5773.73	5796.51	---	---
	Ant1	5825	23.25	5813.73	5836.98	---	---
	Ant2	5825	23.15	5813.78	5836.93	---	---
	Ant3	5825	22.30	5813.88	5836.17	---	---
	Ant4	5825	22.44	5813.88	5836.31	---	---
11BE40MIMO	Ant1	5190	44.31	5167.75	5212.06	---	---
	Ant2	5190	43.74	5167.94	5211.68	---	---
	Ant3	5190	44.88	5167.56	5212.44	---	---
	Ant4	5190	44.97	5167.66	5212.63	---	---
	Ant1	5230	43.74	5208.42	5252.15	---	---
	Ant2	5230	43.74	5208.42	5252.15	---	---
	Ant3	5230	43.93	5207.94	5251.87	---	---
	Ant4	5230	43.93	5208.32	5252.25	---	---
	Ant1	5270	43.64	5248.13	5291.77	---	---



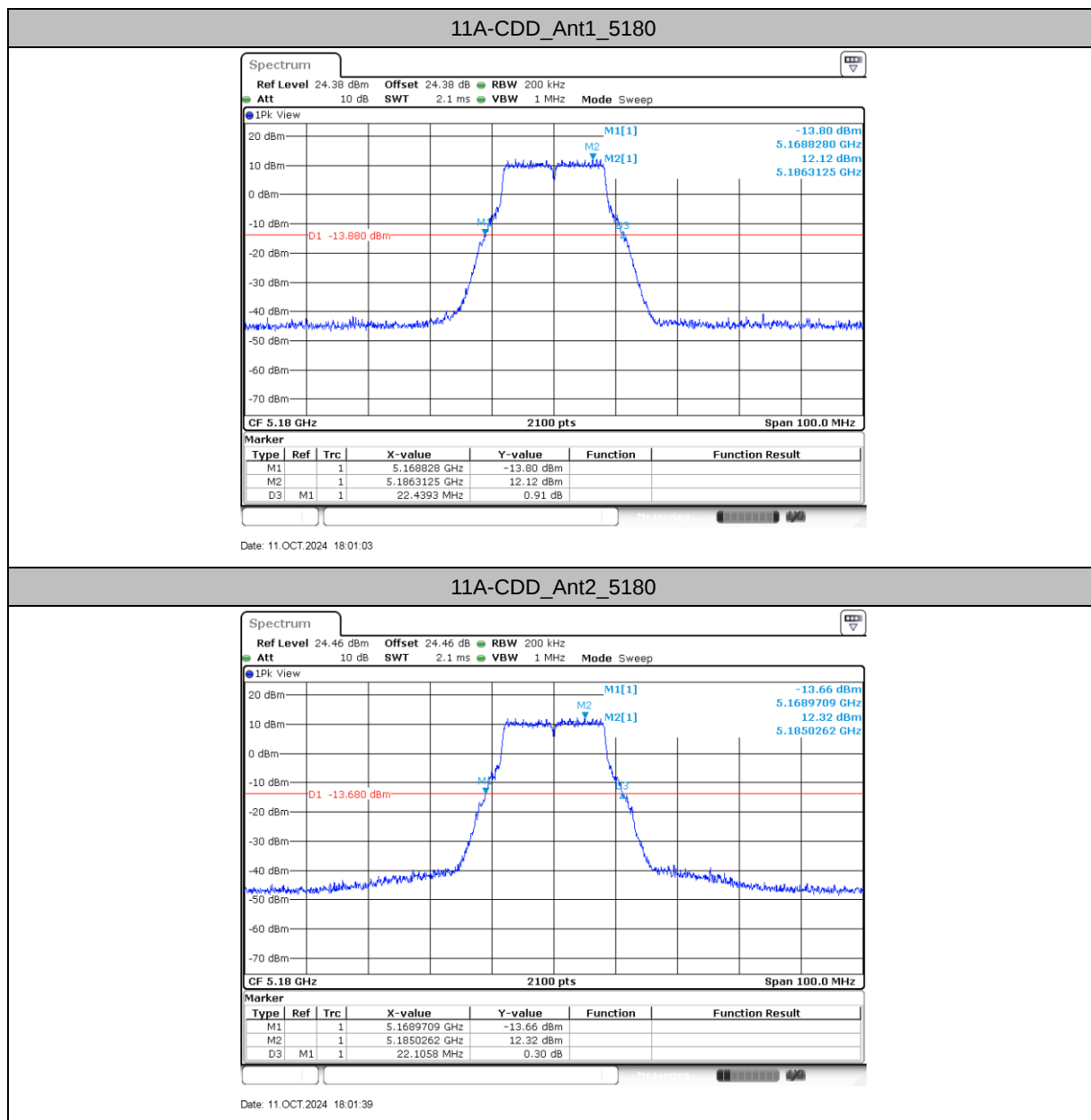
	Ant2	5270	44.69	5247.08	5291.77	---	---
	Ant3	5270	44.02	5247.94	5291.96	---	---
	Ant4	5270	44.21	5247.85	5292.06	---	---
	Ant1	5310	44.12	5287.66	5331.77	---	---
	Ant2	5310	43.83	5287.94	5331.77	---	---
	Ant3	5310	43.93	5288.13	5332.06	---	---
	Ant4	5310	44.40	5287.85	5332.25	---	---
	Ant1	5510	44.02	5488.23	5532.25	---	---
	Ant2	5510	44.12	5488.23	5532.34	---	---
	Ant3	5510	43.83	5487.94	5531.77	---	---
	Ant4	5510	44.78	5487.75	5532.53	---	---
	Ant1	5550	44.02	5527.94	5571.96	---	---
	Ant2	5550	44.31	5528.23	5572.53	---	---
	Ant3	5550	44.69	5527.85	5572.53	---	---
	Ant4	5550	44.31	5528.13	5572.44	---	---
	Ant1	5670	43.45	5648.32	5691.77	---	---
	Ant2	5670	43.54	5648.51	5692.06	---	---
	Ant3	5670	43.26	5648.32	5691.58	---	---
	Ant4	5670	44.69	5648.04	5692.73	---	---
	Ant1	5710	44.31	5687.85	5732.15	---	---
	Ant2	5710	44.31	5687.85	5732.15	---	---
	Ant3	5710	44.31	5687.85	5732.15	---	---
	Ant4	5710	44.21	5688.32	5732.53	---	---
	Ant1	5755	45.16	5732.37	5777.53	---	---
	Ant2	5755	43.54	5733.23	5776.77	---	---
	Ant3	5755	43.74	5733.13	5776.87	---	---
	Ant4	5755	44.59	5732.94	5777.53	---	---
	Ant1	5795	43.45	5773.32	5816.77	---	---
	Ant2	5795	43.54	5773.04	5816.58	---	---
	Ant3	5795	43.64	5773.13	5816.77	---	---
	Ant4	5795	44.12	5772.94	5817.06	---	---
11BE80MIMO	Ant1	5210	88.42	5166.07	5254.50	---	---
	Ant2	5210	89.38	5164.55	5253.93	---	---
	Ant3	5210	88.99	5165.50	5254.50	---	---
	Ant4	5210	89.19	5164.55	5253.74	---	---
	Ant1	5290	89.19	5244.74	5333.93	---	---
	Ant2	5290	91.28	5243.79	5335.07	---	---
	Ant3	5290	90.90	5244.55	5335.45	---	---
	Ant4	5290	89.57	5245.31	5334.88	---	---
	Ant1	5530	87.85	5485.69	5573.54	---	---
	Ant2	5530	89.57	5485.69	5575.26	---	---



	Ant3	5530	89.19	5484.17	5573.35	---	---
	Ant4	5530	89.76	5484.74	5574.50	---	---
	Ant1	5610	87.66	5566.07	5653.74	---	---
	Ant2	5610	89.95	5564.55	5654.50	---	---
	Ant3	5610	91.47	5564.36	5655.83	---	---
	Ant4	5610	89.76	5565.69	5655.45	---	---
	Ant1	5690	90.52	5643.79	5734.31	---	---
	Ant2	5690	88.23	5646.07	5734.31	---	---
	Ant3	5690	87.66	5645.88	5733.54	---	---
	Ant4	5690	89.76	5644.93	5734.69	---	---
	Ant1	5775	89.57	5729.55	5819.12	---	---
	Ant2	5775	90.71	5730.12	5820.83	---	---
	Ant3	5775	89.19	5729.74	5818.93	---	---
	Ant4	5775	90.71	5729.36	5820.07	---	---
11BE160MIMO	Ant1	5250	169.99	5164.44	5334.42	---	---
	Ant2	5250	171.13	5164.44	5335.56	---	---
	Ant3	5250	172.65	5164.44	5337.09	---	---
	Ant4	5250	174.18	5162.53	5336.71	---	---
	Ant1	5570	171.51	5484.82	5656.33	---	---
	Ant2	5570	169.99	5485.58	5655.56	---	---
	Ant3	5570	171.89	5484.82	5656.71	---	---
	Ant4	5570	173.03	5483.67	5656.71	---	---

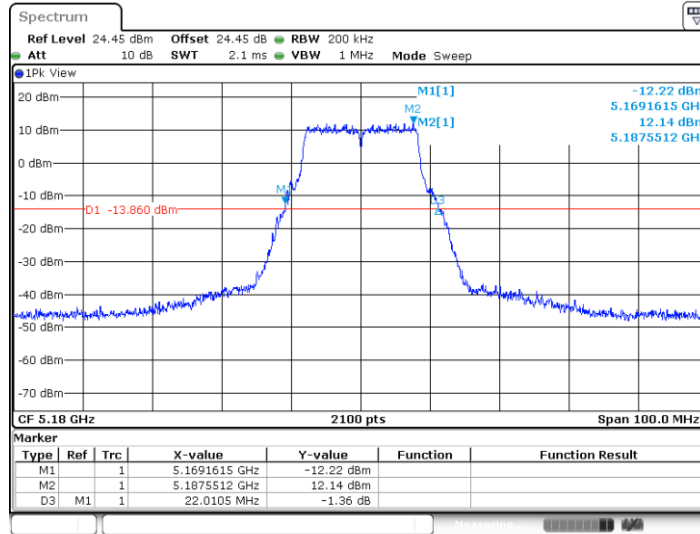


Test Graphs



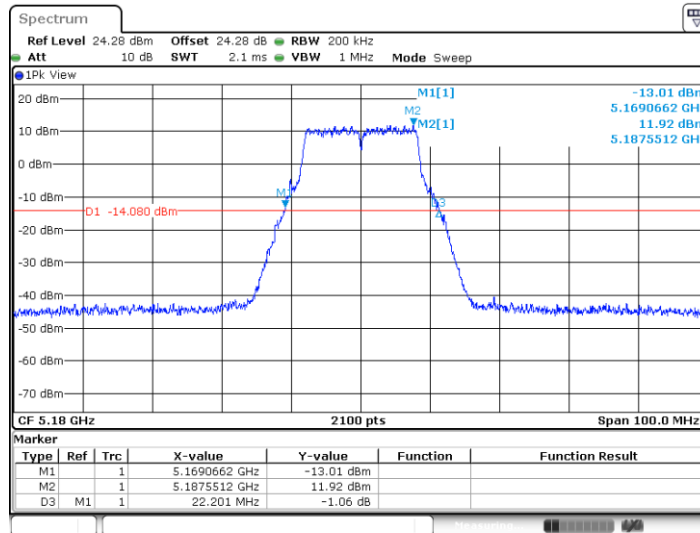


11A-CDD_Ant3_5180



Date: 11.OCT.2024 18:02:16

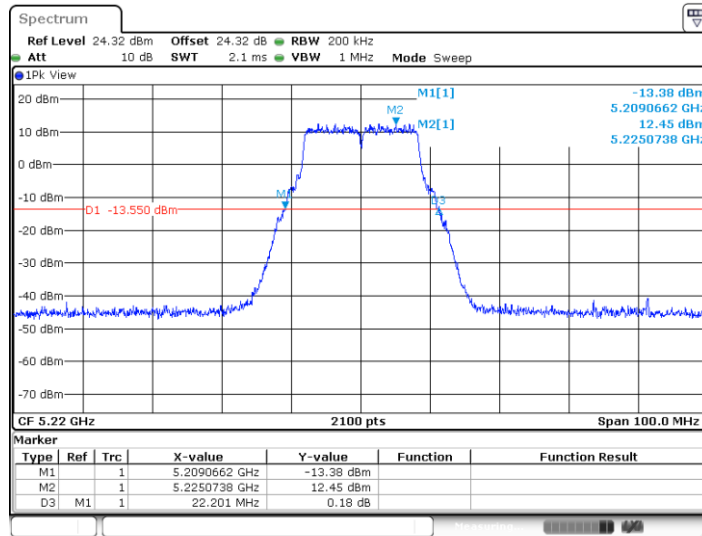
11A-CDD_Ant4_5180



Date: 11.OCT.2024 18:02:53

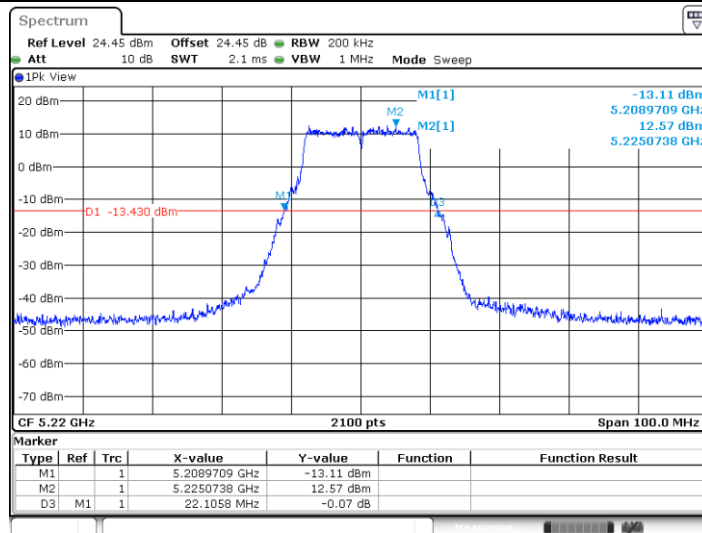


11A-CDD_Ant1_5220



Date: 11.OCT.2024 18:13:30

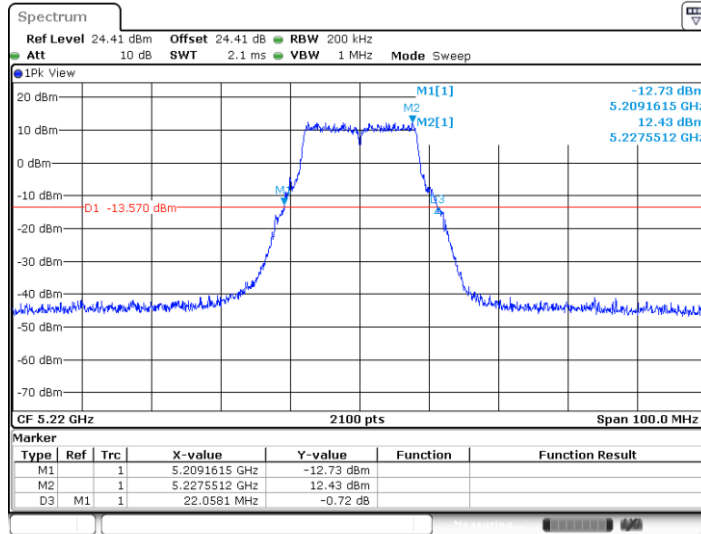
11A-CDD_Ant2_5220



Date: 11.OCT.2024 18:14:05

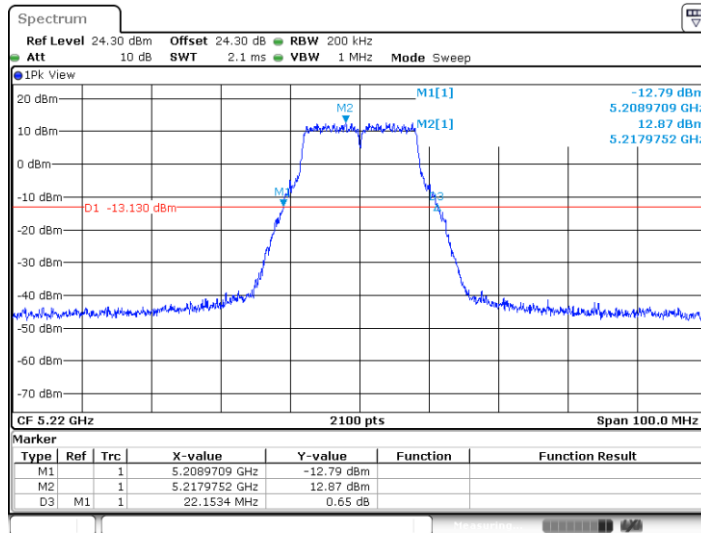


11A-CDD_Ant3_5220



Date: 11.OCT.2024 18:14:42

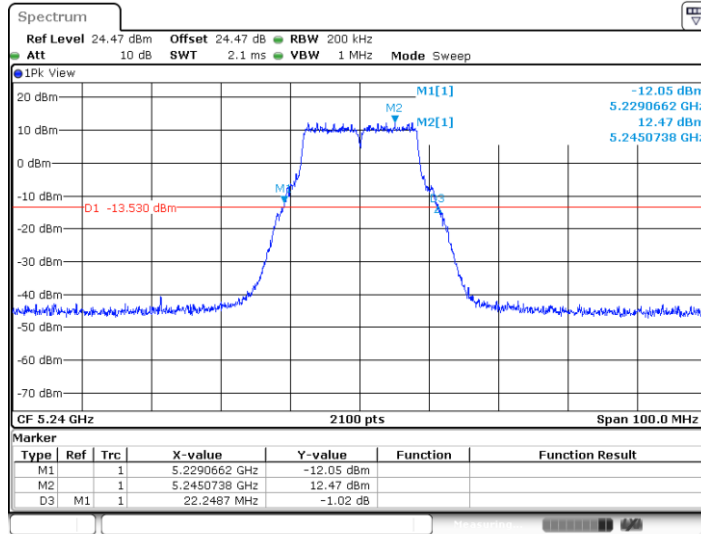
11A-CDD_Ant4_5220



Date: 11.OCT.2024 18:15:19

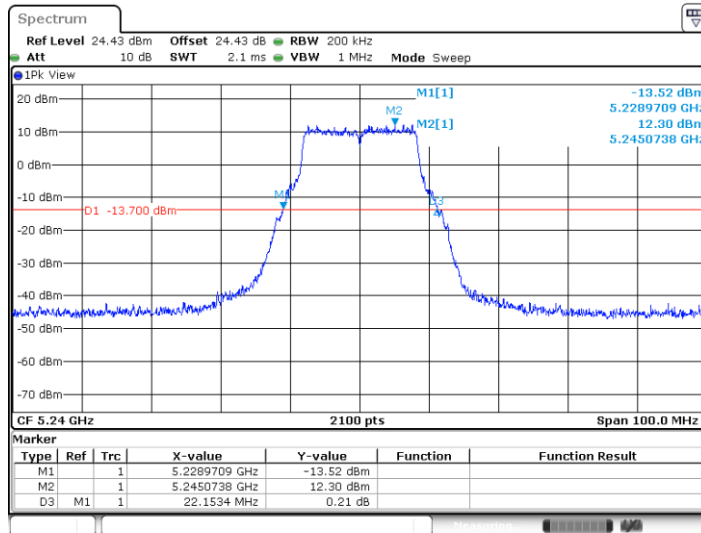


11A-CDD_Ant1_5240



Date: 11.OCT.2024 18:18:08

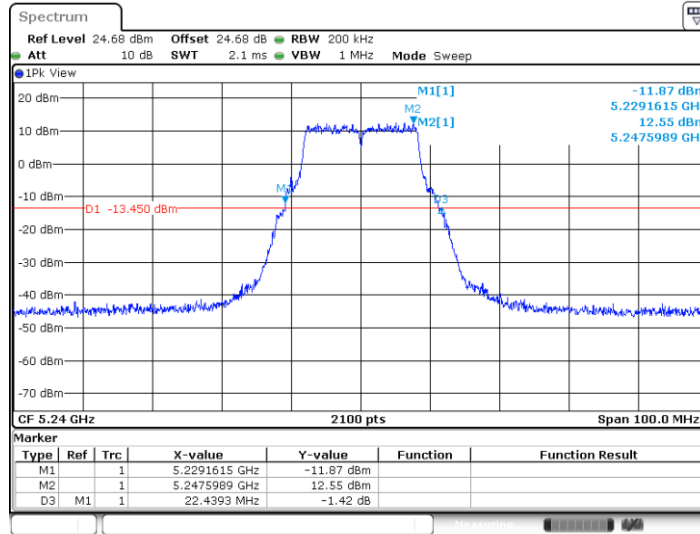
11A-CDD_Ant2_5240



Date: 11.OCT.2024 18:18:44

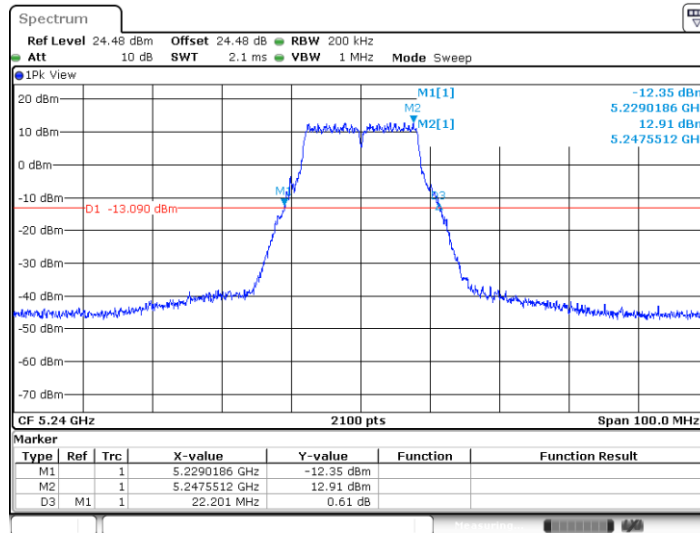


11A-CDD_Ant3_5240



Date: 11.OCT.2024 18:19:20

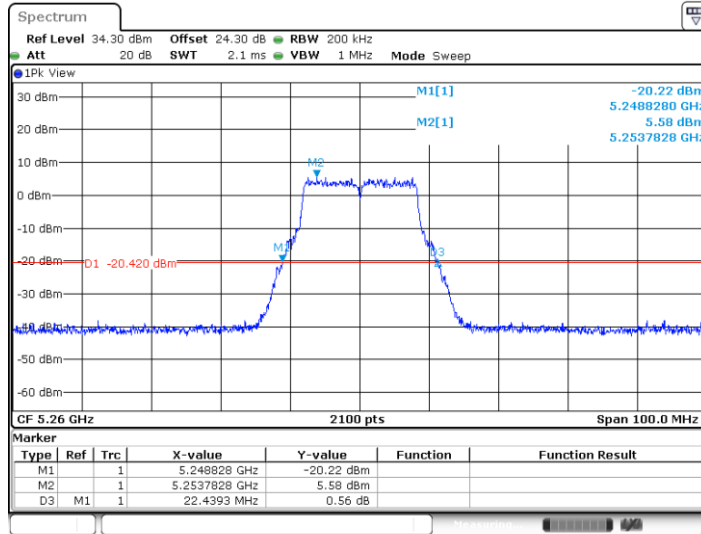
11A-CDD_Ant4_5240



Date: 11.OCT.2024 18:19:57

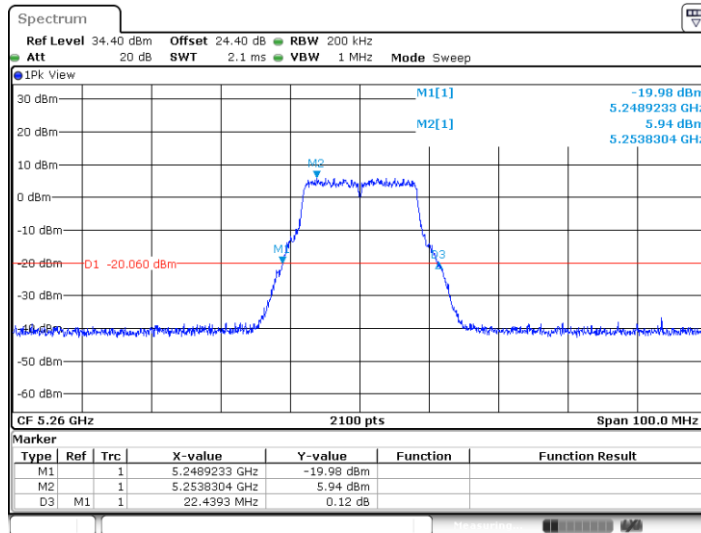


11A-CDD_Ant1_5260



Date: 10.OCT.2024 23:35:43

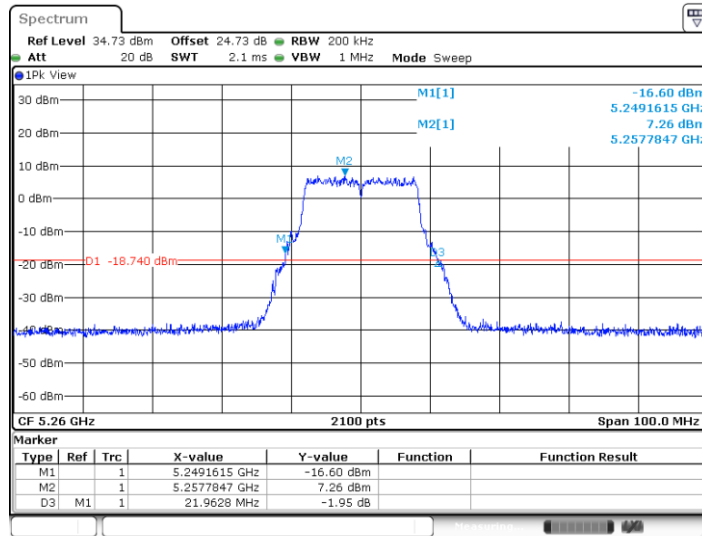
11A-CDD_Ant2_5260



Date: 10.OCT.2024 23:36:19

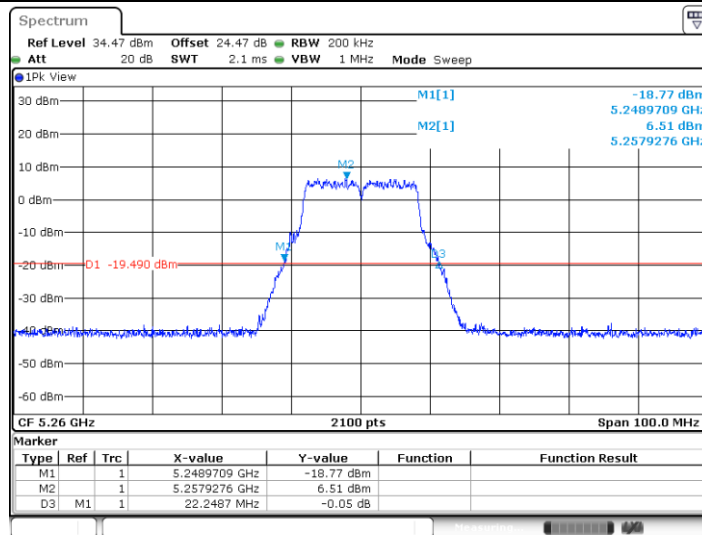


11A-CDD_Ant3_5260



Date: 10.OCT.2024 23:36:56

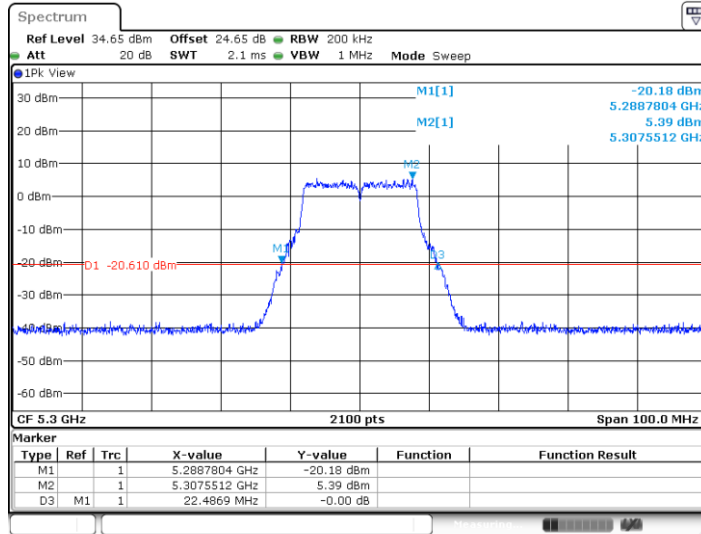
11A-CDD_Ant4_5260



Date: 10.OCT.2024 23:37:33

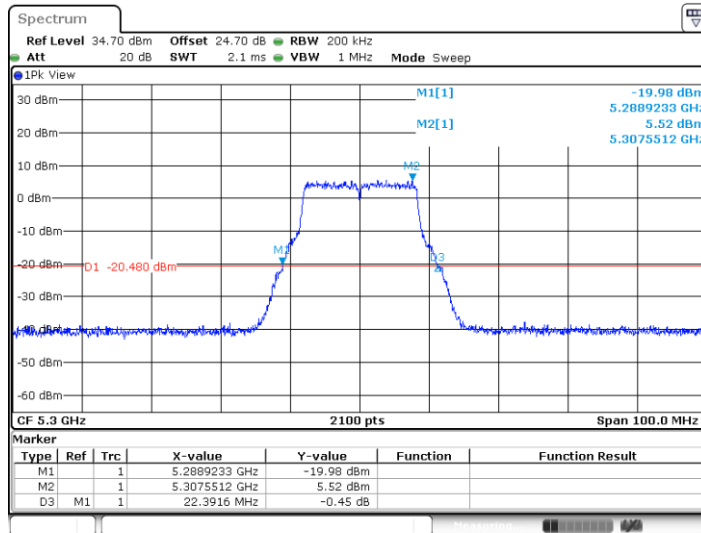


11A-CDD_Ant1_5300



Date: 10.OCT.2024 23:40:36

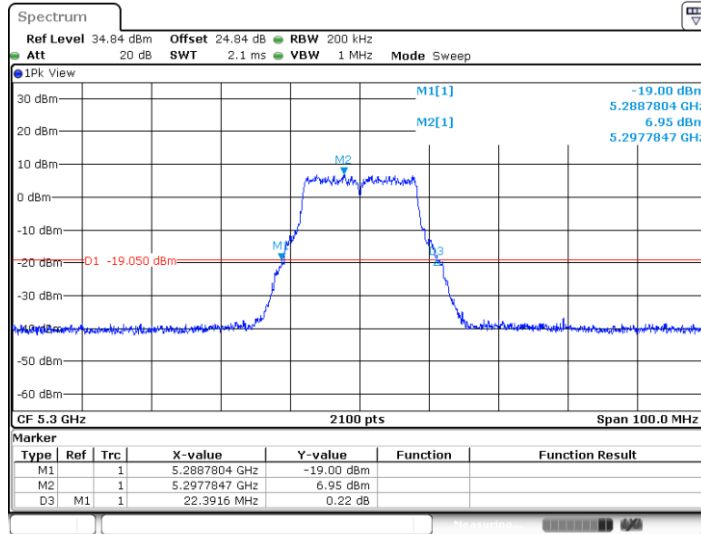
11A-CDD_Ant2_5300



Date: 10.OCT.2024 23:41:11

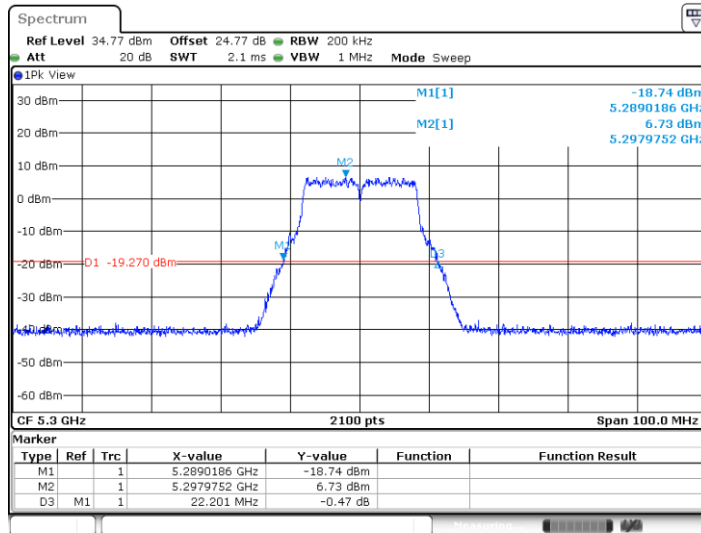


11A-CDD_Ant3_5300



Date: 10.OCT.2024 23:41:48

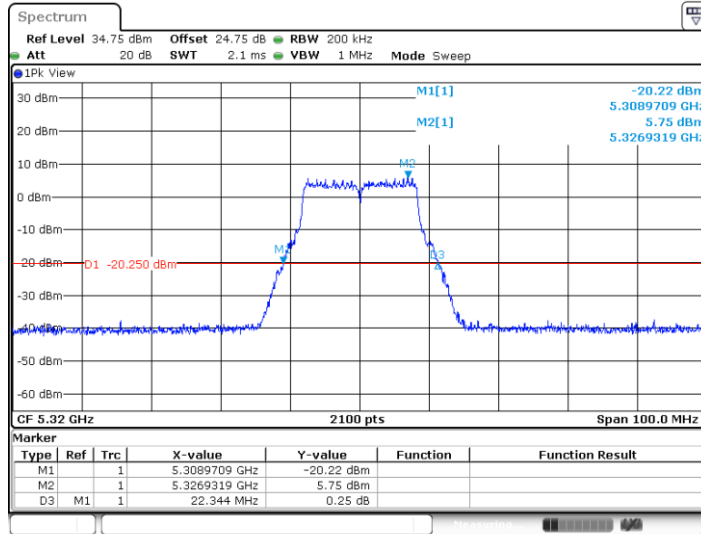
11A-CDD_Ant4_5300



Date: 10.OCT.2024 23:42:25

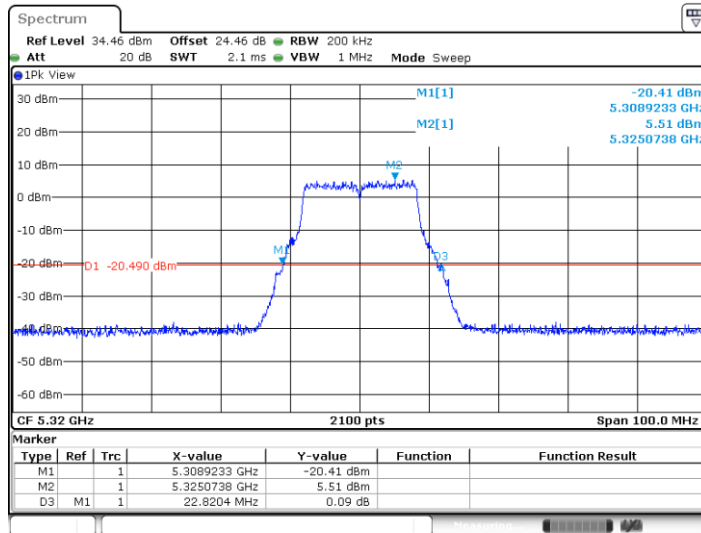


11A-CDD_Ant1_5320



Date: 10.OCT.2024 23:44:01

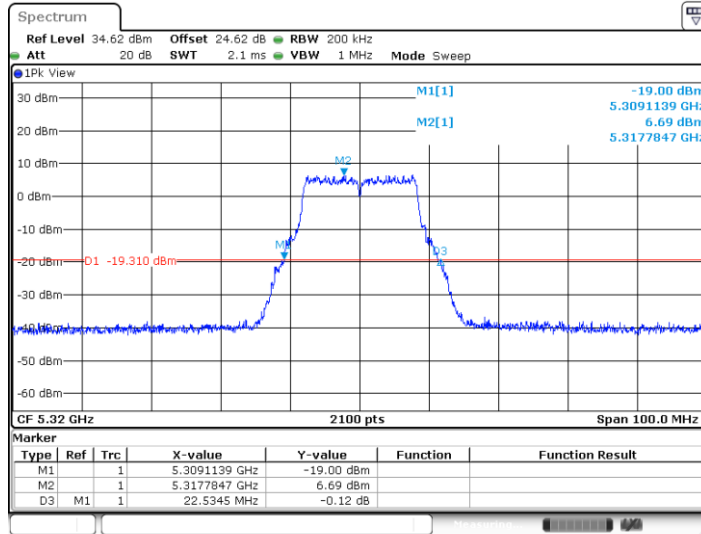
11A-CDD_Ant2_5320



Date: 10.OCT.2024 23:44:36

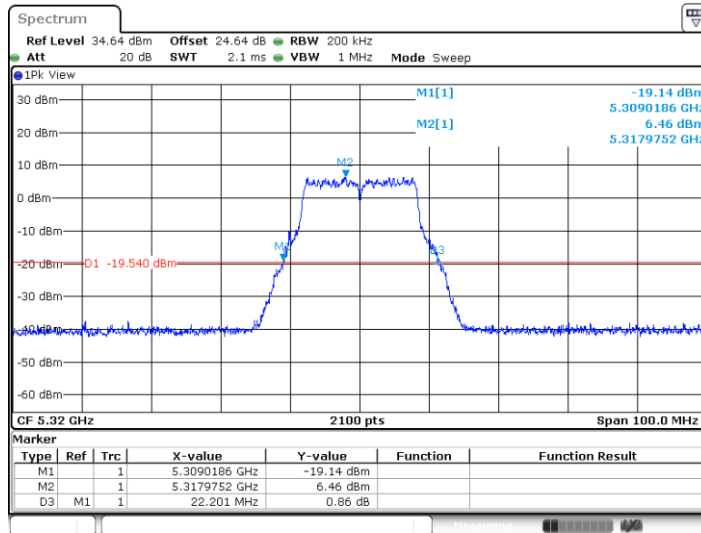


11A-CDD_Ant3_5320



Date: 10.OCT.2024 23:45:12

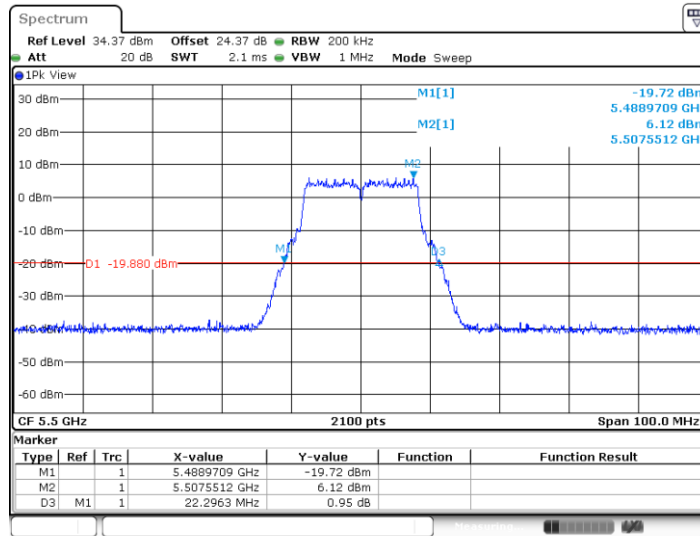
11A-CDD_Ant4_5320



Date: 10.OCT.2024 23:45:49

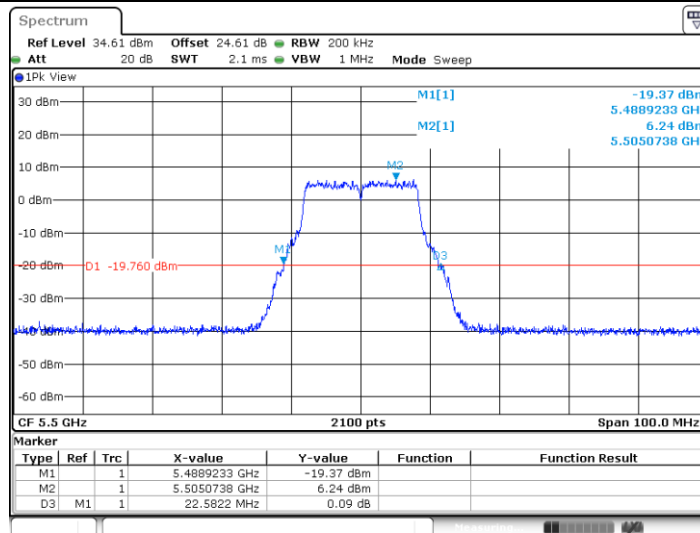


11A-CDD_Ant1_5500



Date: 10.OCT.2024 23:48:09

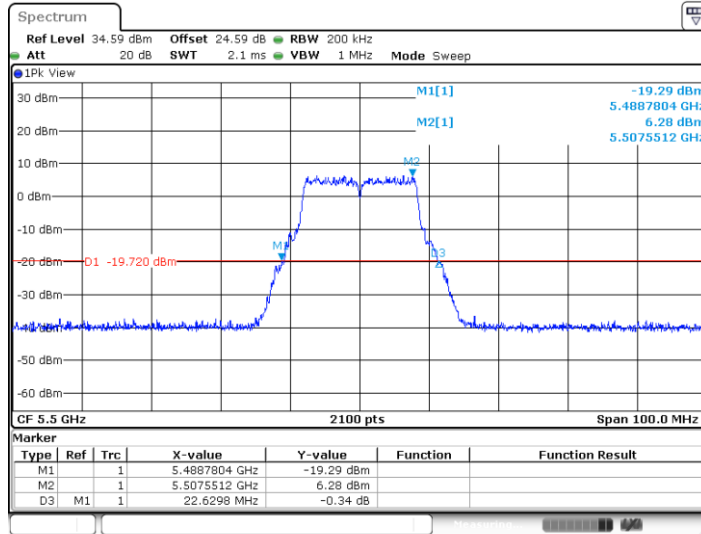
11A-CDD_Ant2_5500



Date: 10.OCT.2024 23:48:43

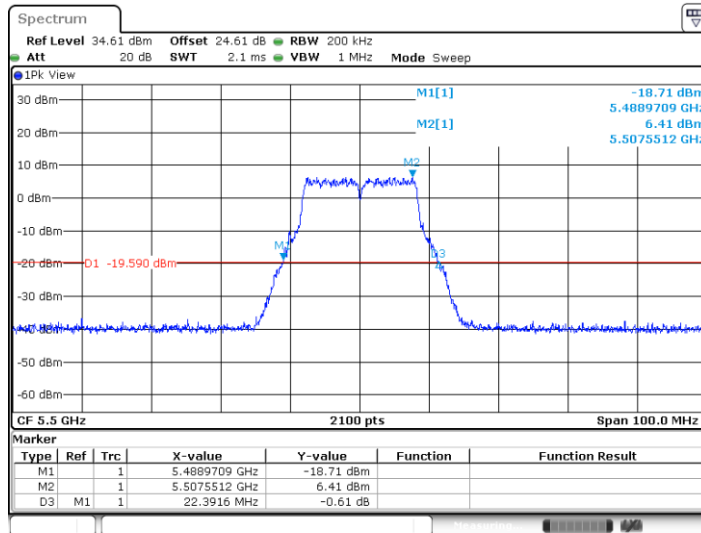


11A-CDD_Ant3_5500



Date: 10.OCT.2024 23:49:20

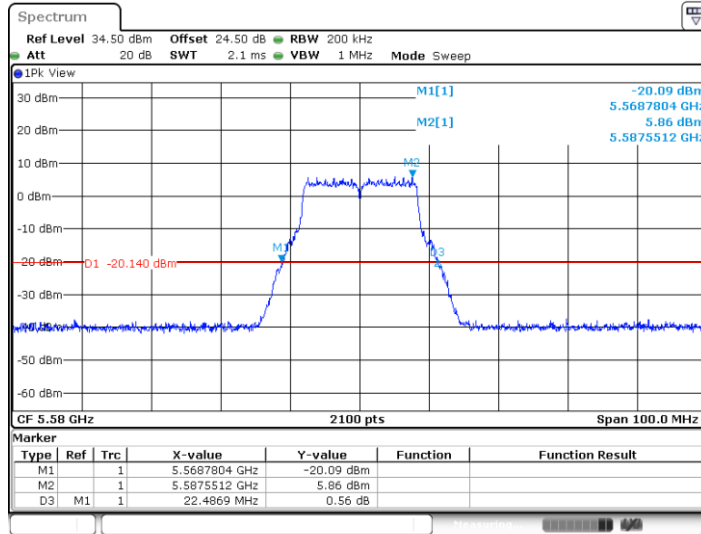
11A-CDD_Ant4_5500



Date: 10.OCT.2024 23:49:57

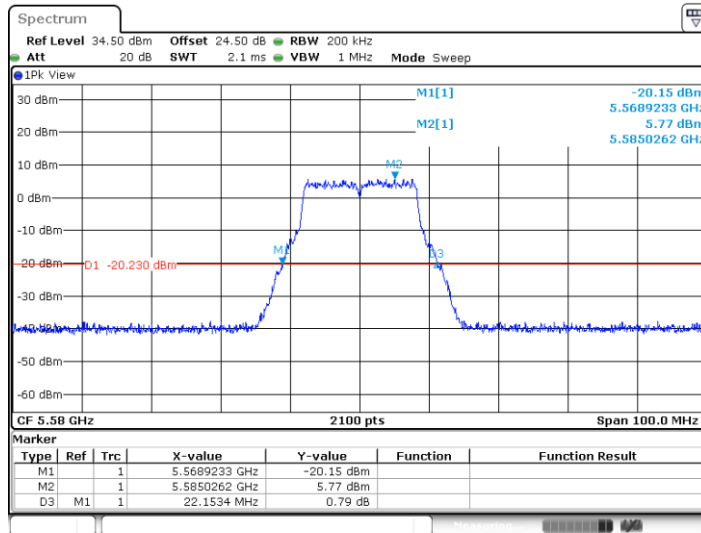


11A-CDD_Ant1_5580



Date: 10.OCT.2024 23:52:03

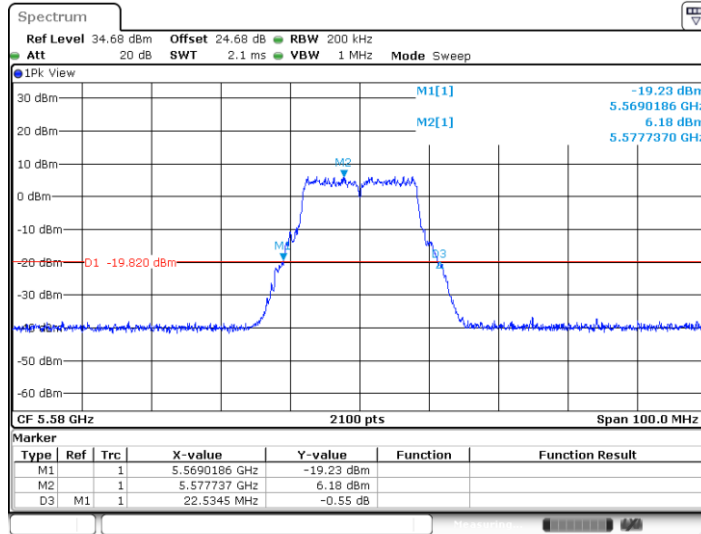
11A-CDD_Ant2_5580



Date: 10.OCT.2024 23:52:38

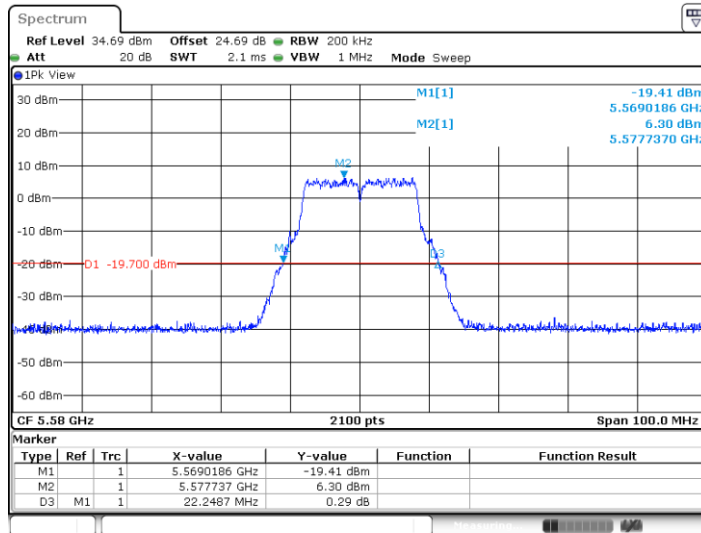


11A-CDD_Ant3_5580



Date: 10.OCT.2024 23:53:14

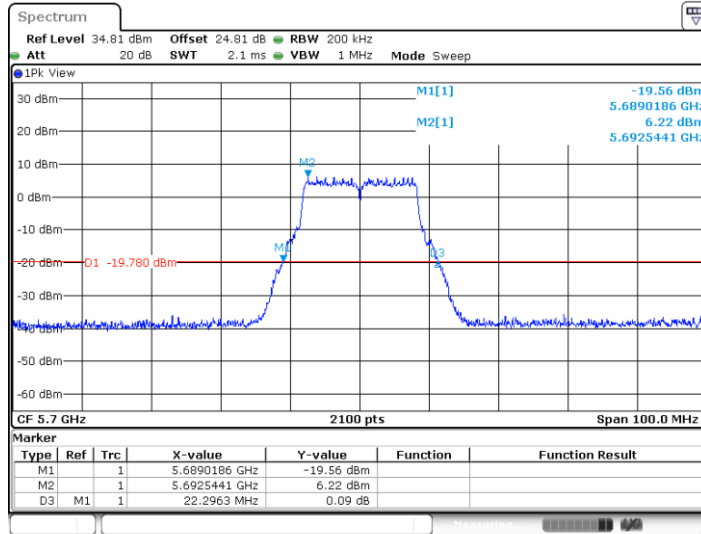
11A-CDD_Ant4_5580



Date: 10.OCT.2024 23:53:52

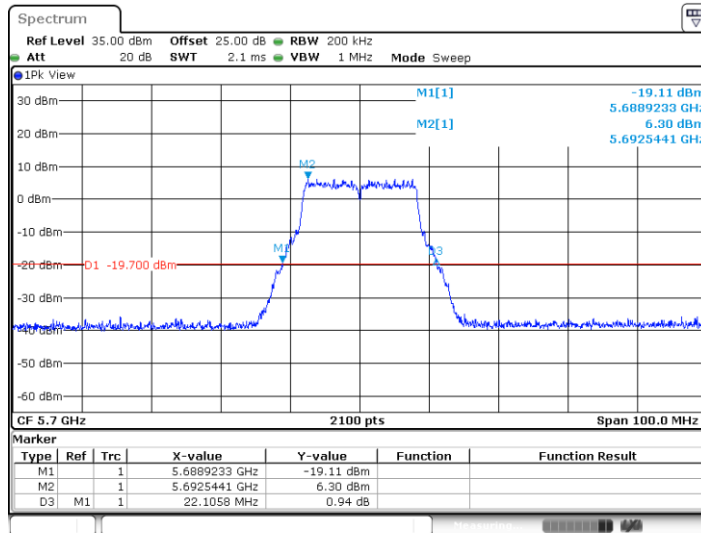


11A-CDD_Ant1_5700



Date: 10.OCT.2024 23:54:42

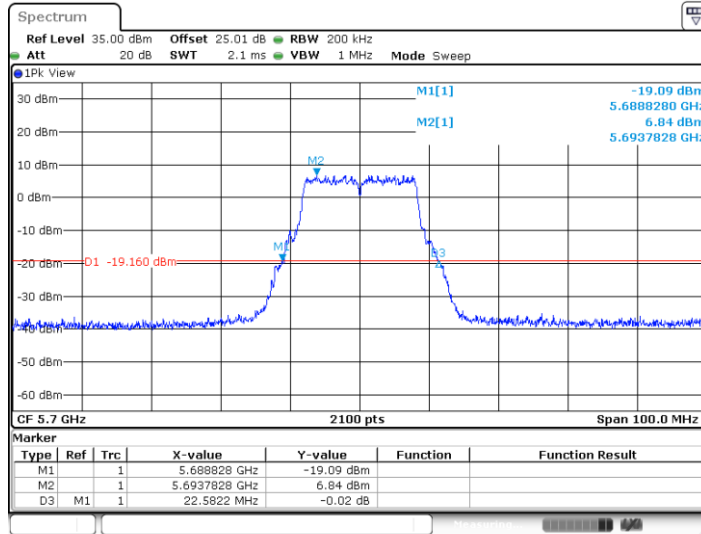
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Date: 10.OCT.2024 23:55:17

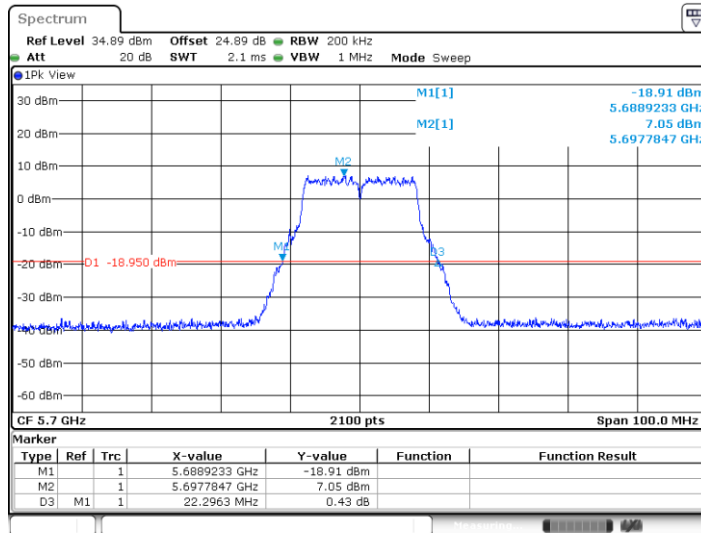


11A-CDD_Ant3_5700



Date: 10.OCT.2024 23:55:55

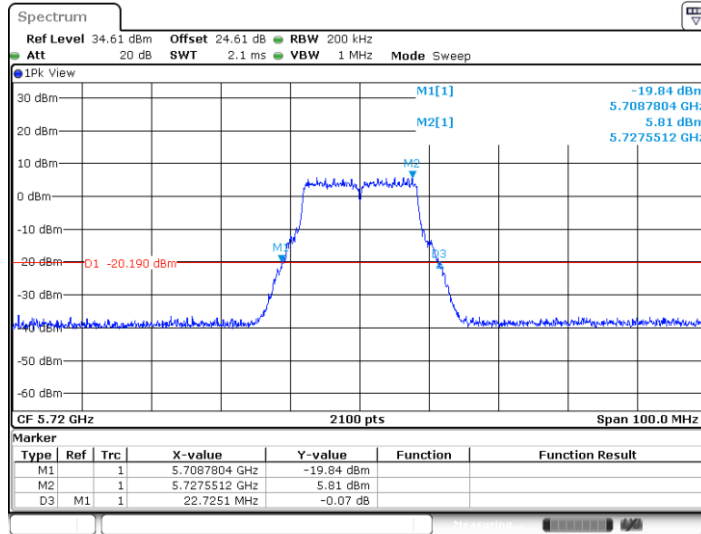
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Date: 10.OCT.2024 23:56:33

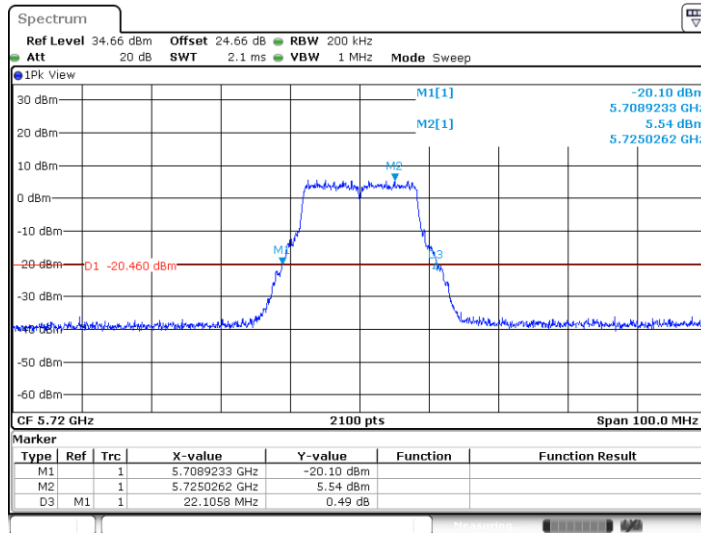


11A-CDD_Ant1_5720



Date: 10.OCT.2024 23:59:40

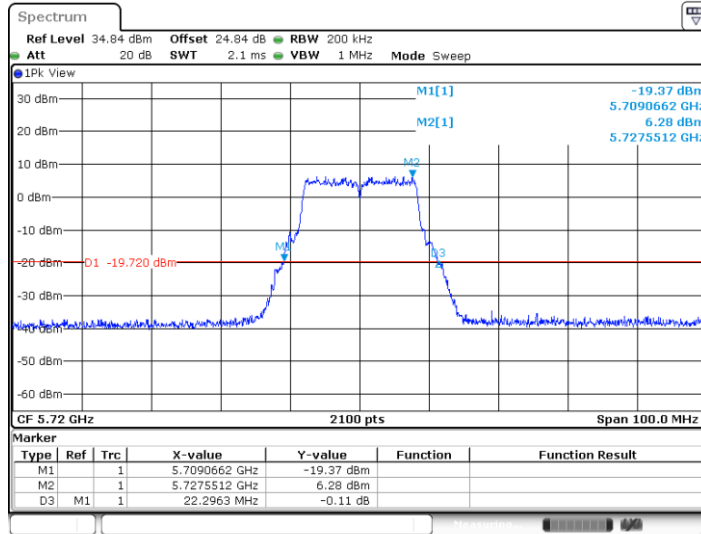
11A-CDD_Ant2_5720



Date: 11.OCT.2024 00:00:47

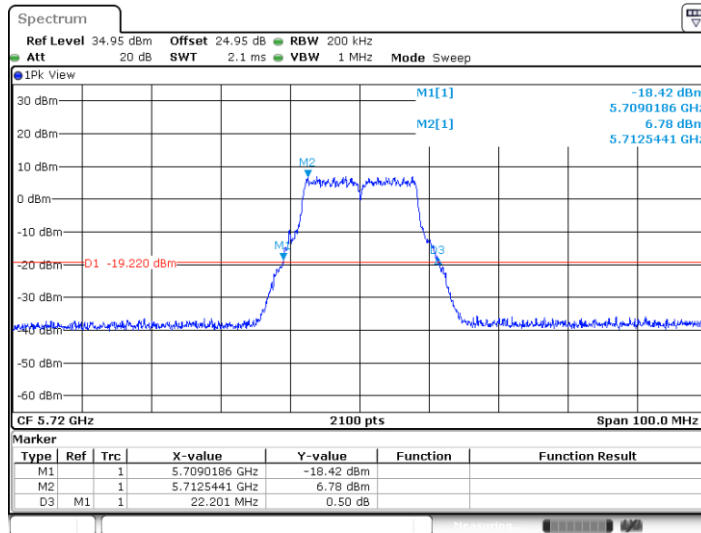


11A-CDD_Ant3_5720



Date: 11.OCT.2024 00:02:02

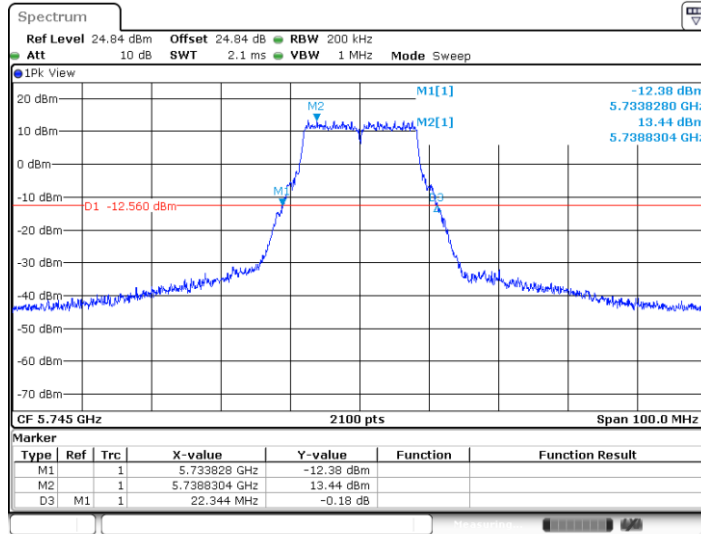
11A-CDD_Ant4_5720



Date: 11.OCT.2024 00:03:17

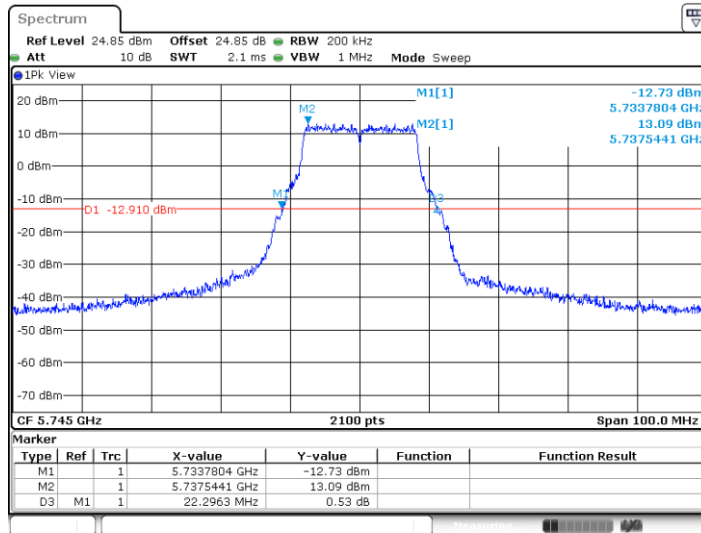


11A-CDD_Ant1_5745



Date: 11.OCT.2024 18:29:46

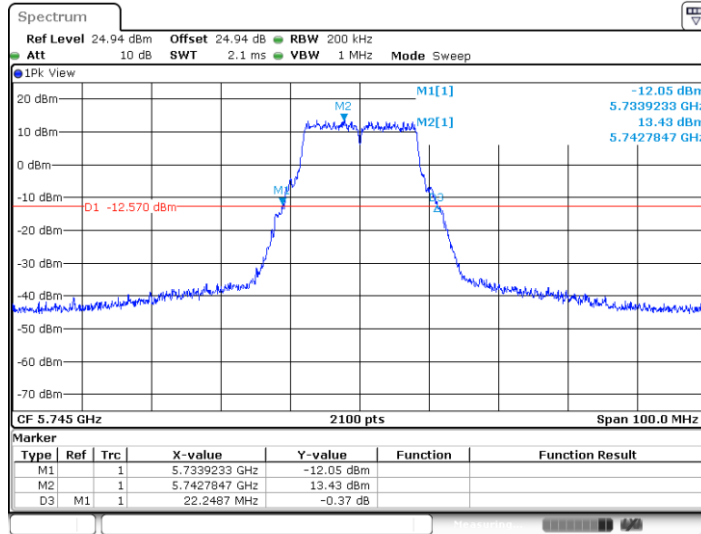
11A-CDD_Ant2_5745



Date: 11.OCT.2024 18:30:31

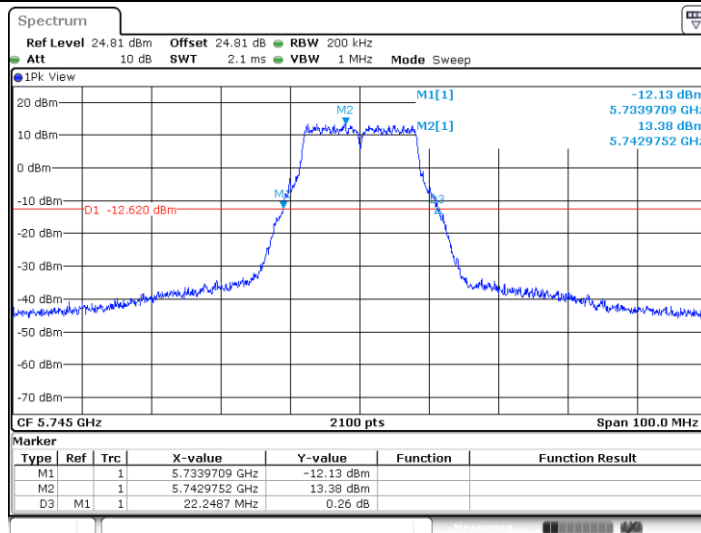


11A-CDD_Ant3_5745



Date: 11.OCT.2024 18:31:18

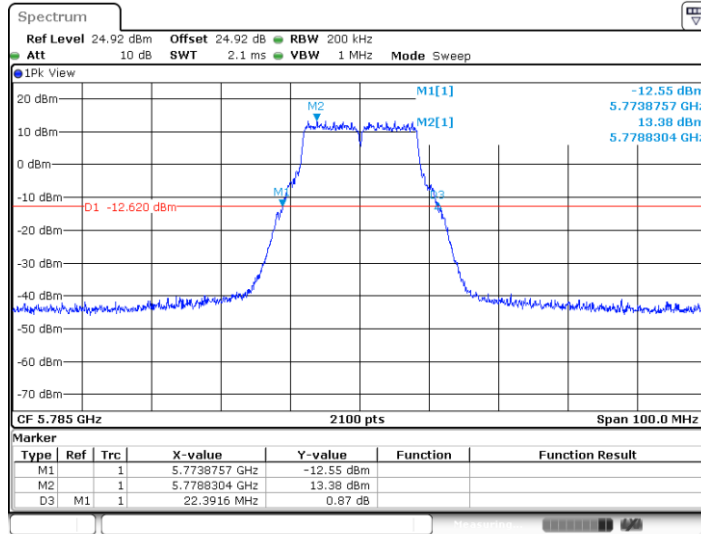
11A-CDD_Ant4_5745



Date: 11.OCT.2024 18:32:05

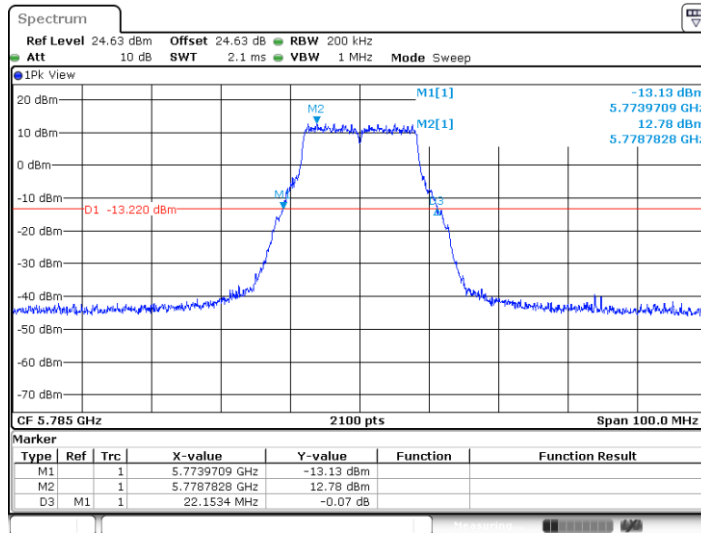


11A-CDD_Ant1_5785



Date: 11.OCT.2024 18:36:34

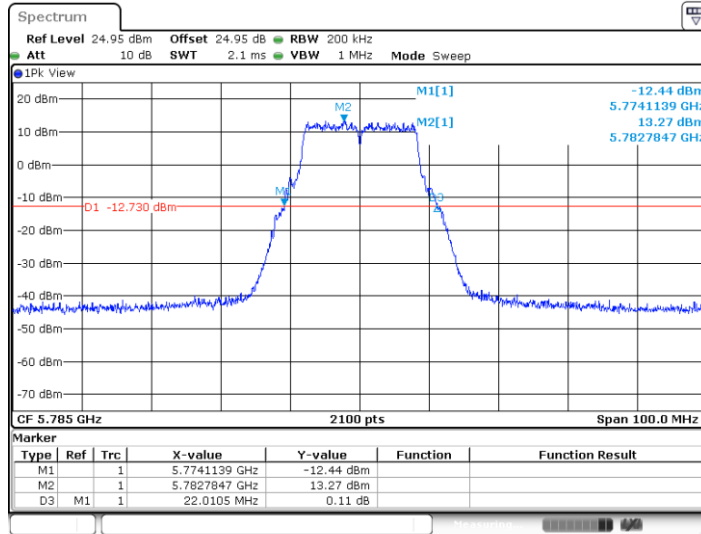
11A-CDD_Ant2_5785



Date: 11.OCT.2024 18:37:20

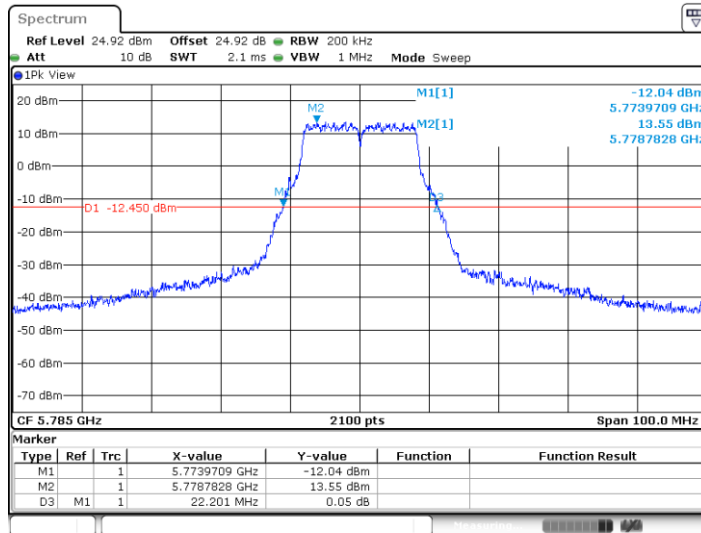


11A-CDD_Ant3_5785



Date: 11.OCT.2024 18:38:07

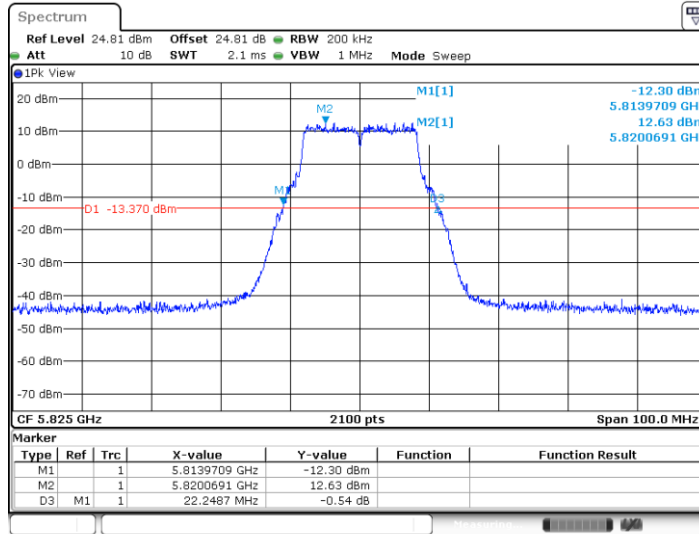
11A-CDD_Ant4_5785



Date: 11.OCT.2024 18:38:57

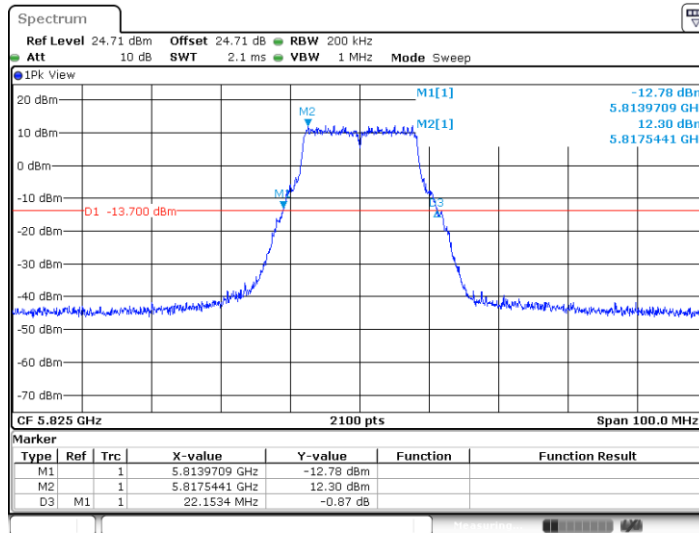


11A-CDD_Ant1_5825



Date: 11.OCT.2024 18:43:00

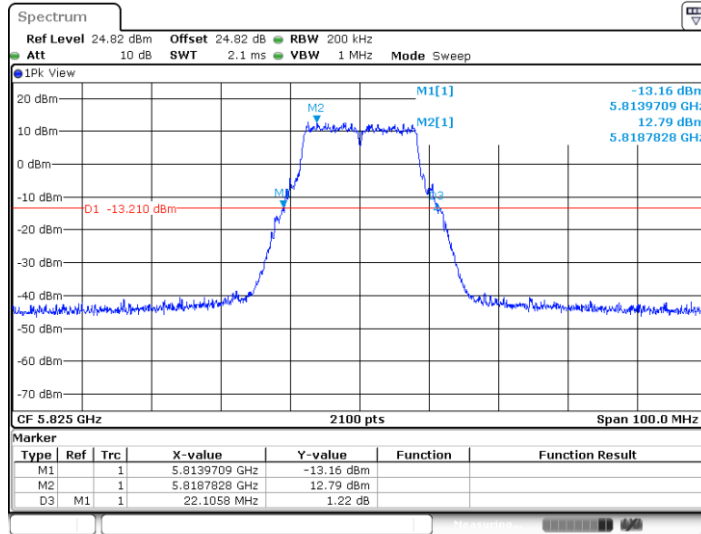
11A-CDD_Ant2_5825



Date: 11.OCT.2024 18:43:45

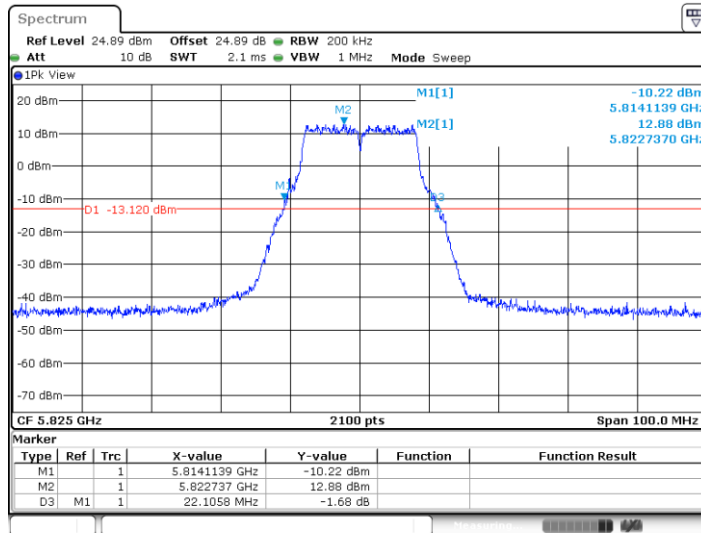


11A-CDD_Ant3_5825



Date: 11.OCT.2024 18:44:32

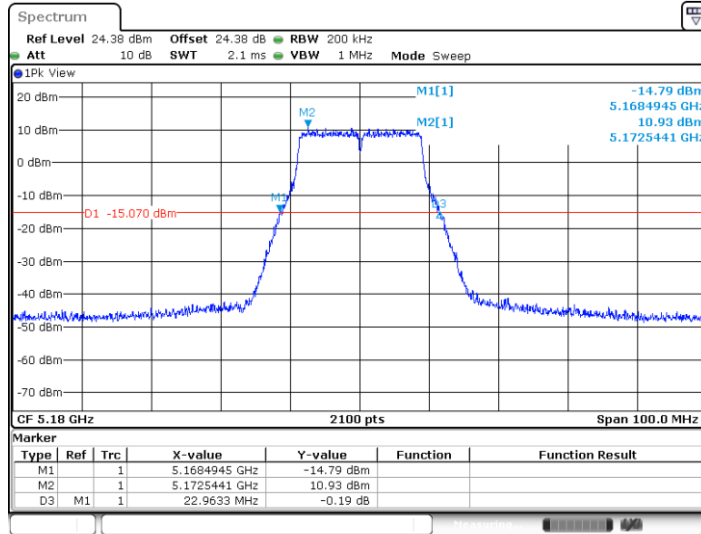
11A-CDD_Ant4_5825



Date: 11.OCT.2024 18:45:21

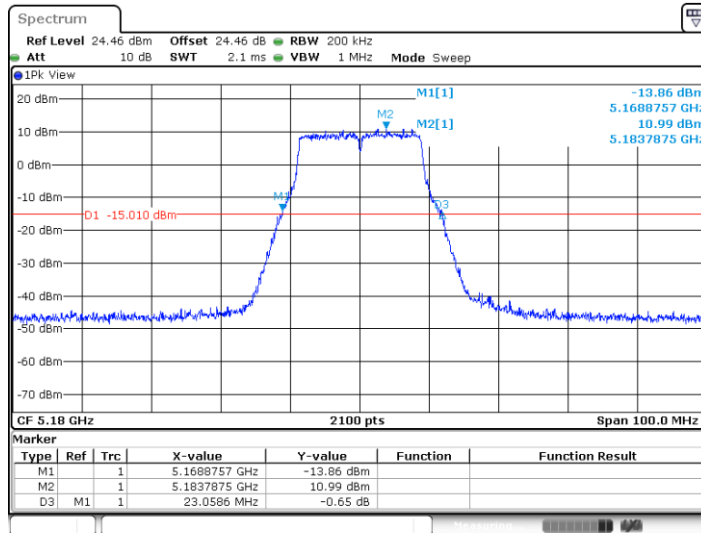


11AC20MIMO_Ant1_5180



Date: 12.OCT.2024 00:51:56

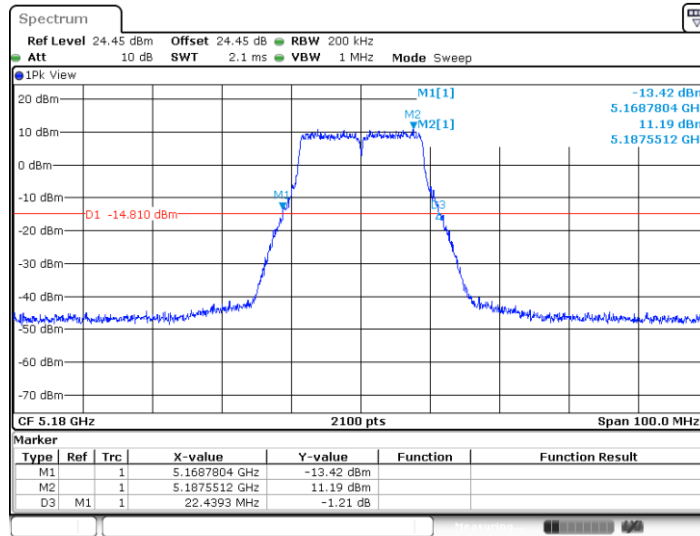
11AC20MIMO_Ant2_5180



Date: 12.OCT.2024 00:52:31

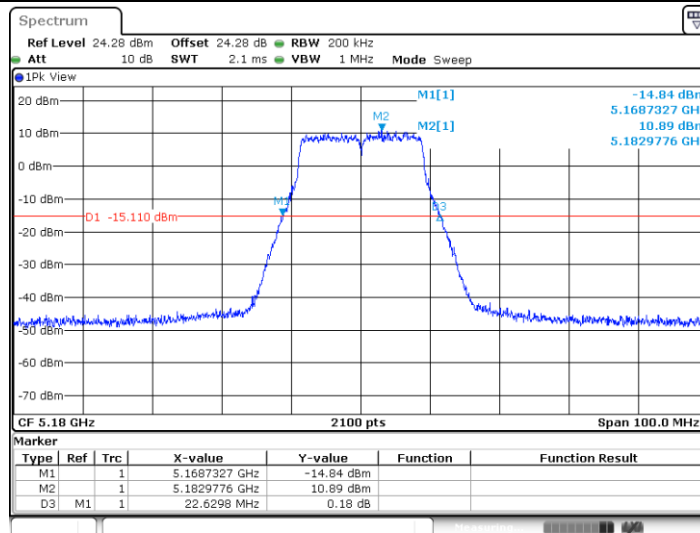


11AC20MIMO_Ant3_5180



Date: 12.OCT.2024 00:53:08

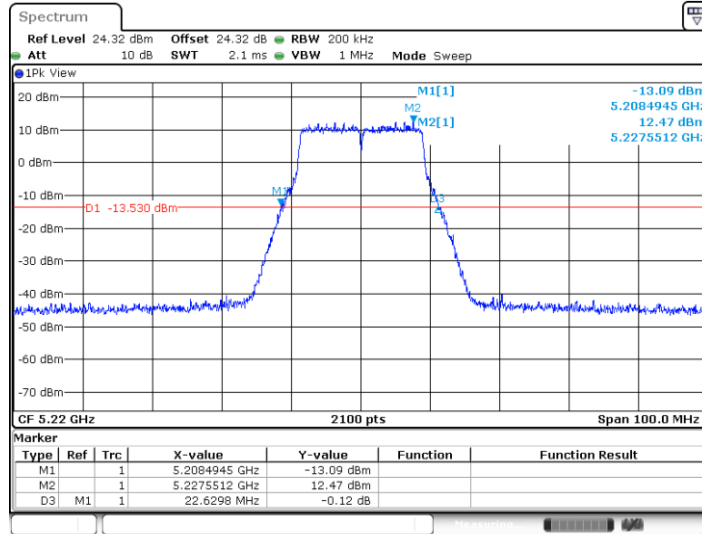
11AC20MIMO_Ant4_5180



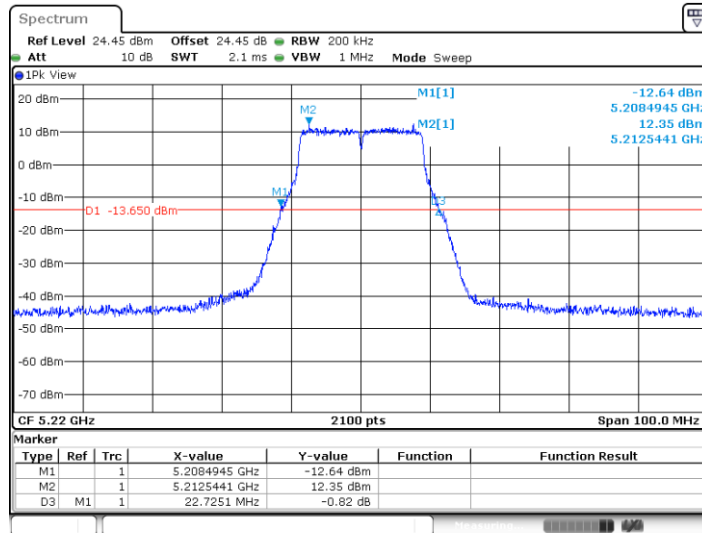
Date: 12.OCT.2024 00:53:45



11AC20MIMO_Ant1_5220

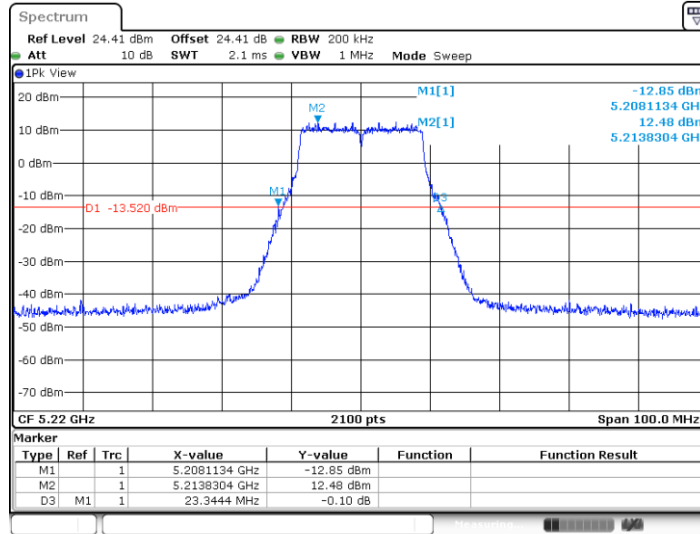


11AC20MIMO_Ant2_5220



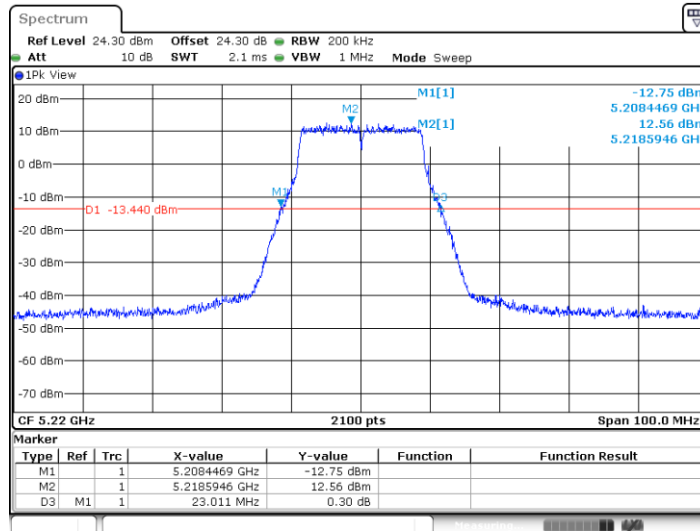


11AC20MIMO_Ant3_5220



Date: 12.OCT.2024 00:56:09

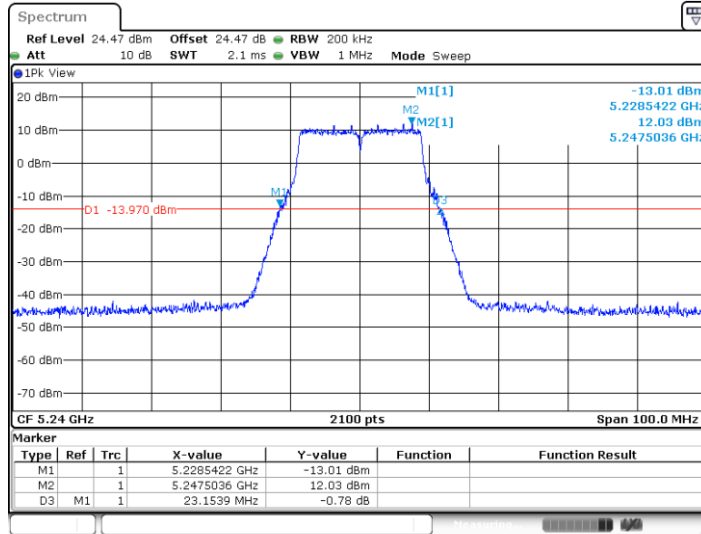
11AC20MIMO_Ant4_5220



Date: 12.OCT.2024 00:56:46

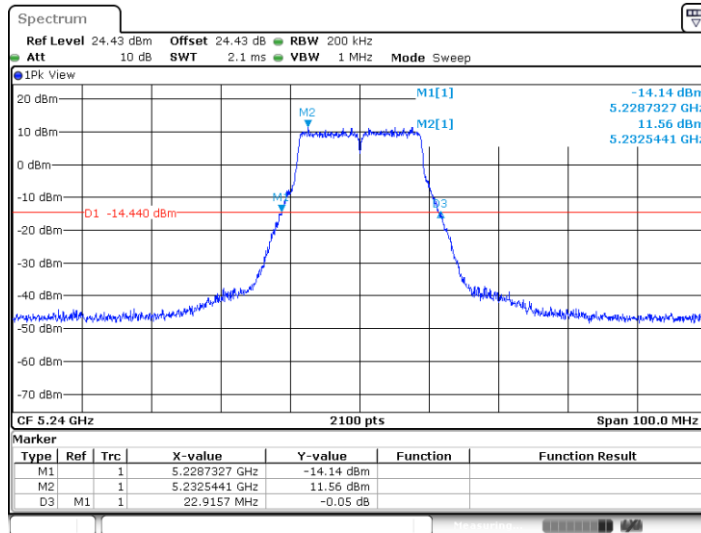


11AC20MIMO_Ant1_5240



Date: 12.OCT.2024 00:57:45

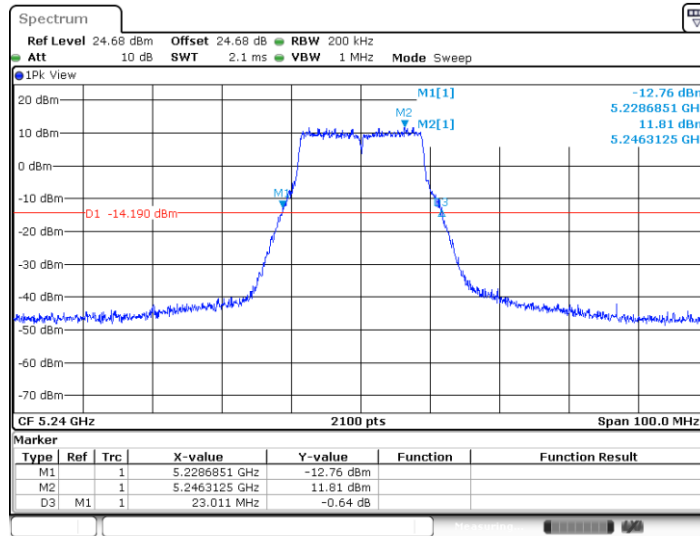
11AC20MIMO_Ant2_5240



Date: 12.OCT.2024 00:58:20

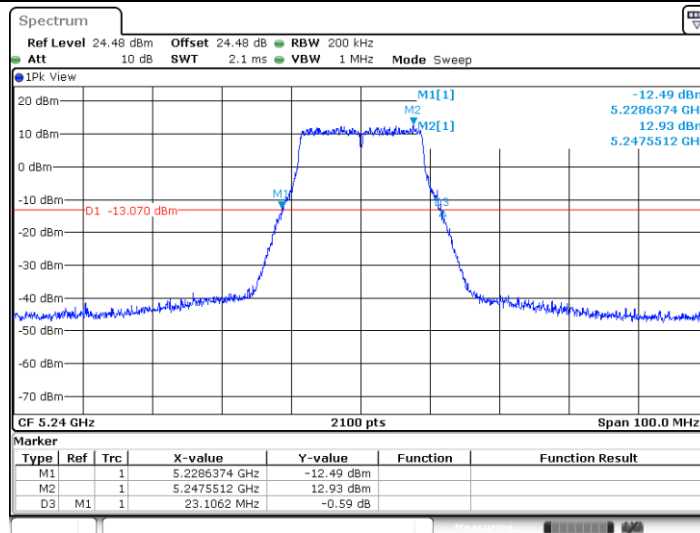


11AC20MIMO_Ant3_5240



Date: 12.OCT.2024 00:58:57

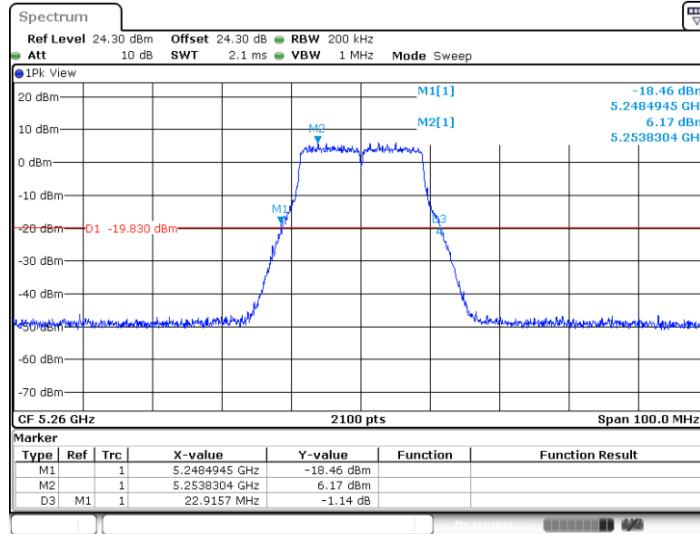
11AC20MIMO_Ant4_5240



Date: 12.OCT.2024 00:59:34

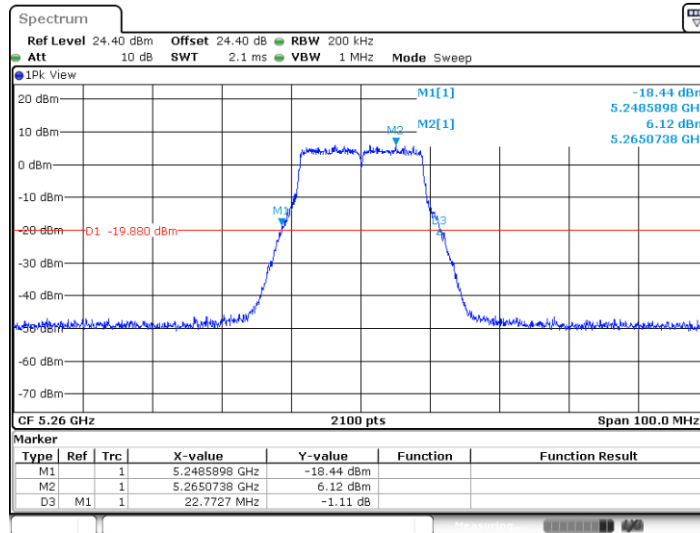


11AC20MIMO_Ant1_5260



Date: 12.OCT.2024 01:00:57

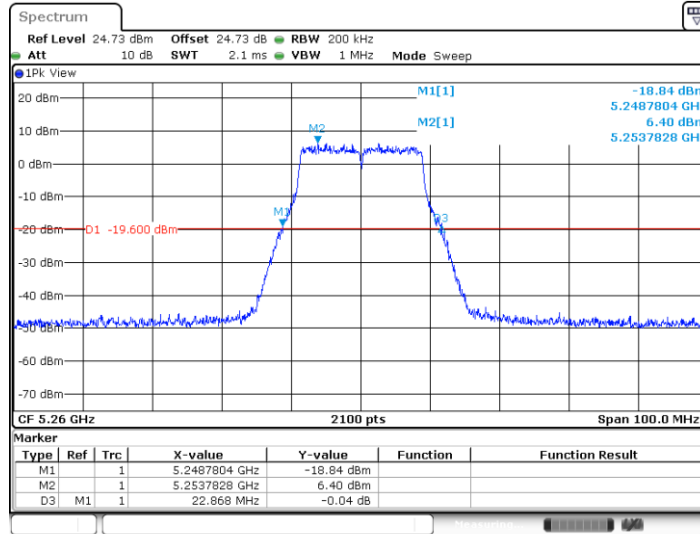
11AC20MIMO_Ant2_5260



Date: 12.OCT.2024 01:01:32

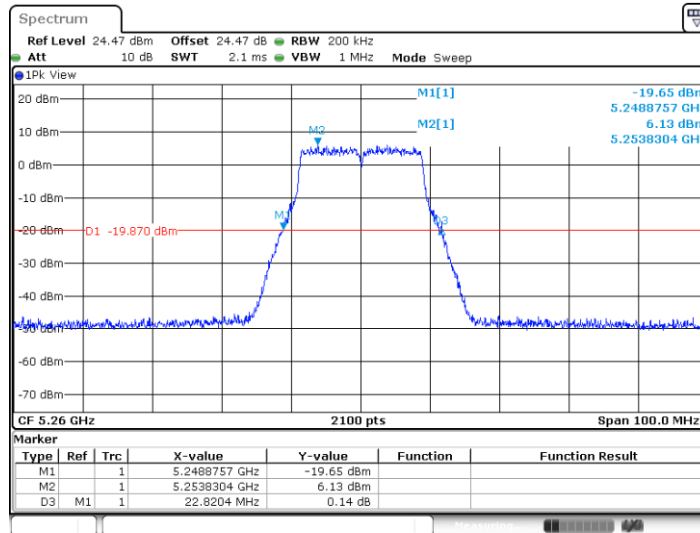


11AC20MIMO_Ant3_5260



Date: 12.OCT.2024 01:02:09

11AC20MIMO_Ant4_5260



Date: 12.OCT.2024 01:02:46