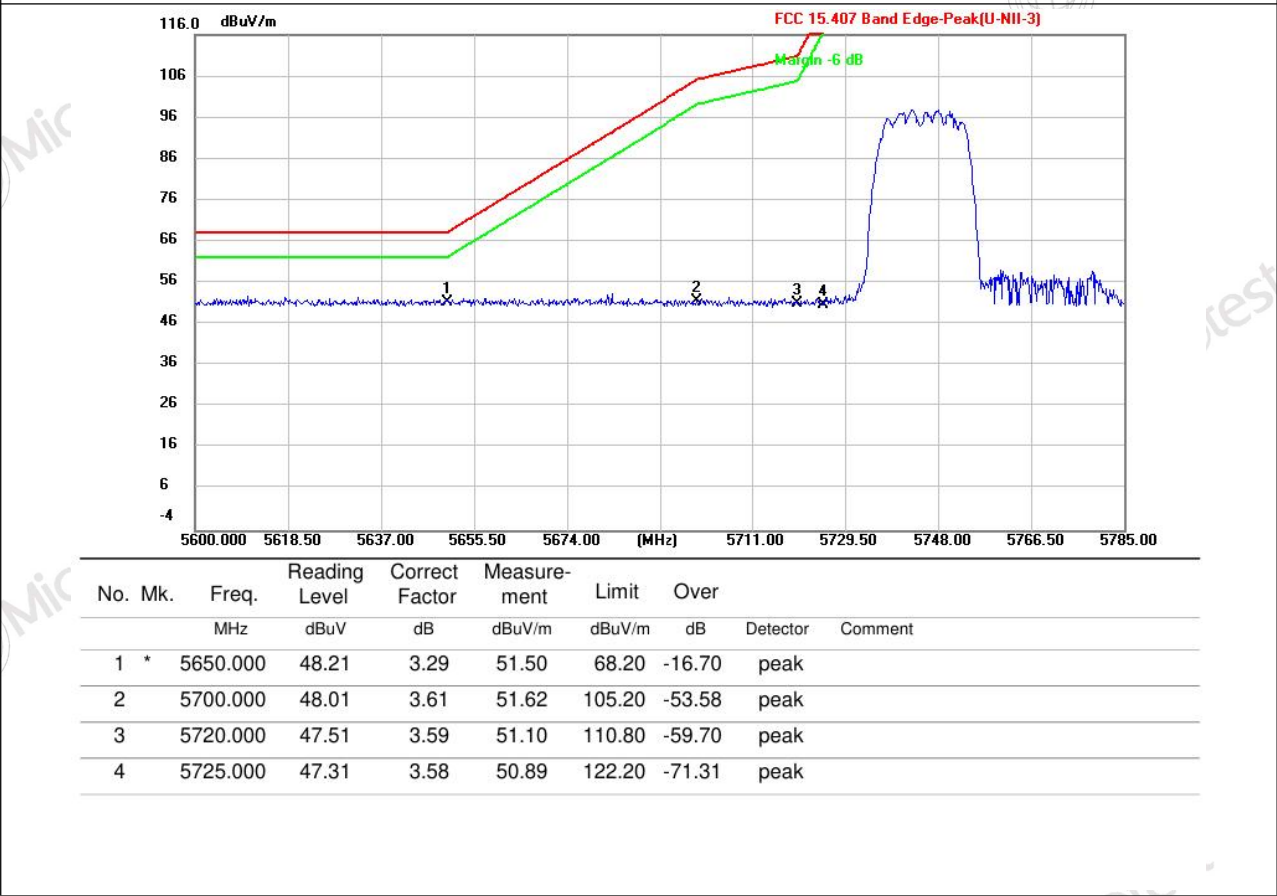


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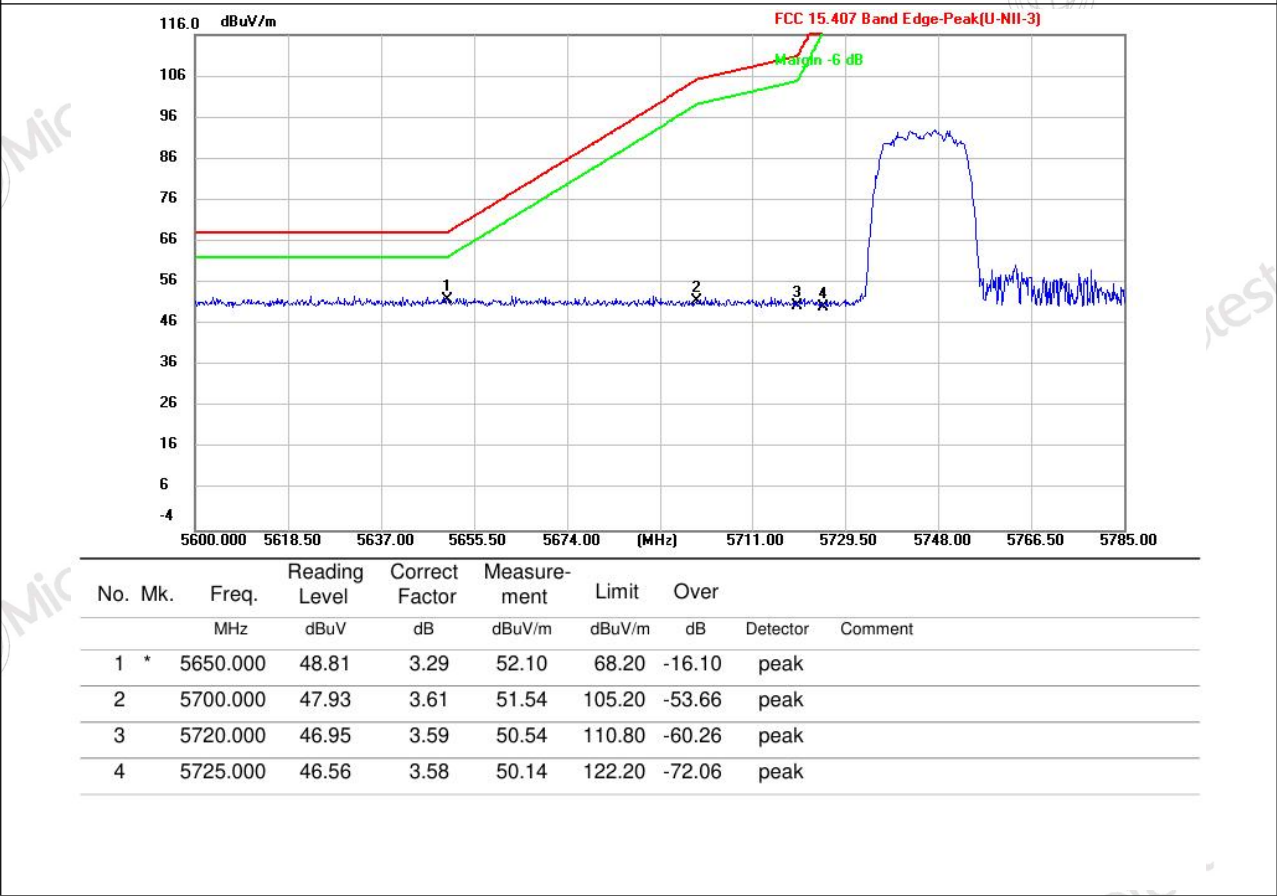
Mode9 / Polarization: Horizontal / CH: L



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Mode9 / Polarization: Vertical / CH: L



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Mode9 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	47.91	4.00	51.91	122.20	-70.29	peak	
2		5855.000	47.73	4.01	51.74	110.80	-59.06	peak	
3		5875.000	48.67	4.11	52.78	105.20	-52.42	peak	
4	*	5920.000	48.23	4.32	52.55	71.90	-19.35	peak	

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Mode9 / Polarization: Vertical / CH: H

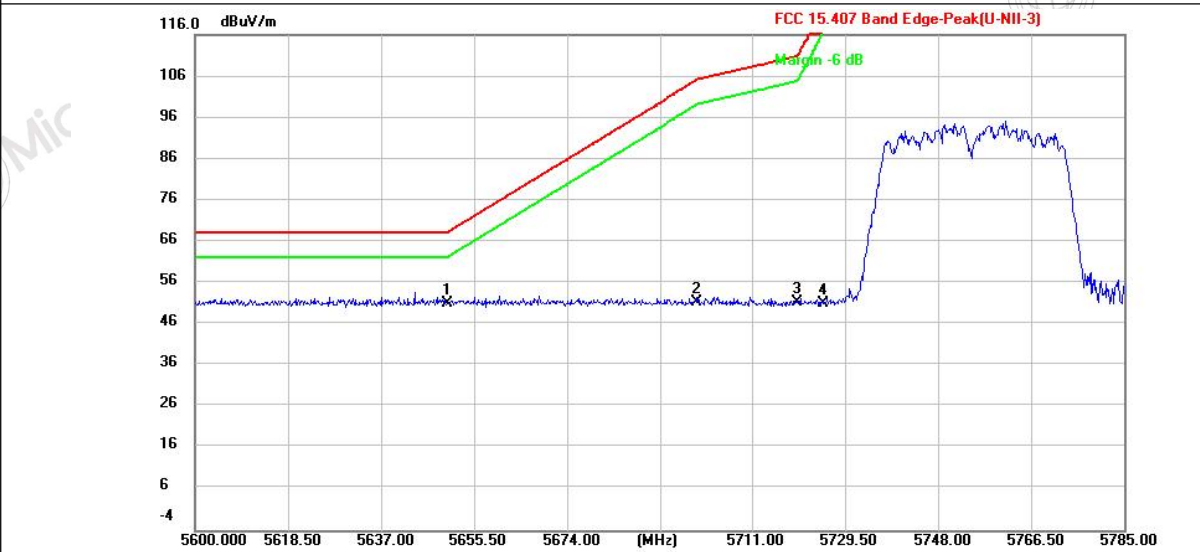


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	49.16	4.00	53.16	122.20	-69.04	peak	
2		5855.000	48.05	4.01	52.06	110.80	-58.74	peak	
3		5875.000	47.48	4.11	51.59	105.20	-53.61	peak	
4	*	5920.000	47.77	4.32	52.09	71.90	-19.81	peak	

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Mode10 / Polarization: Horizontal / CH: L

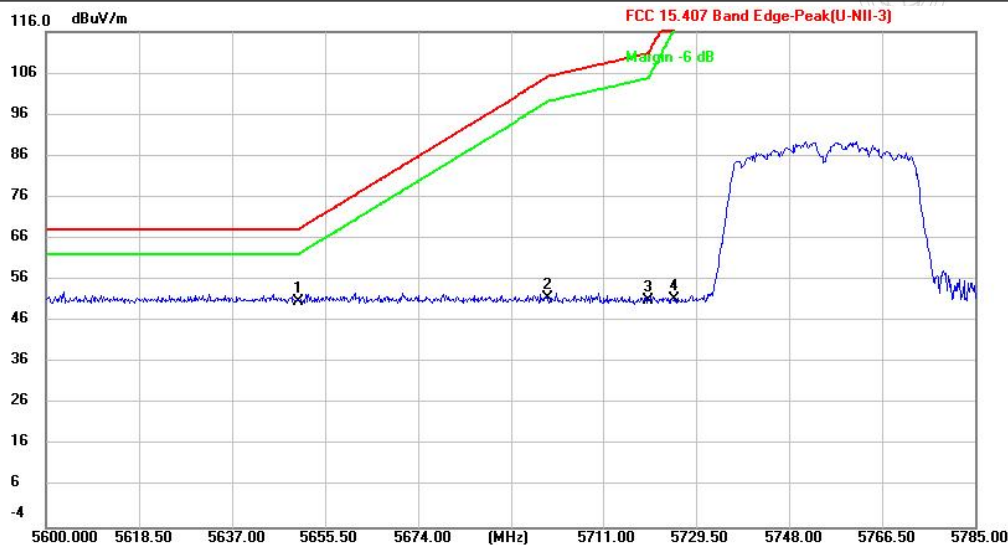


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5650.000	47.87	3.29	51.16	68.20	-17.04	peak	
2		5700.000	47.88	3.61	51.49	105.20	-53.71	peak	
3		5720.000	47.77	3.59	51.36	110.80	-59.44	peak	
4		5725.000	47.53	3.58	51.11	122.20	-71.09	peak	

TEST REPORT

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Mode10 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5650.000	47.61	3.29	50.90	68.20	-17.30	peak	
2		5700.000	48.08	3.61	51.69	105.20	-53.51	peak	
3		5720.000	47.46	3.59	51.05	110.80	-59.75	peak	
4		5725.000	47.68	3.58	51.26	122.20	-70.94	peak	

TEST REPORT

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Mode10 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	48.16	4.00	52.16	122.20	-70.04	peak	
2		5855.000	48.27	4.01	52.28	110.80	-58.52	peak	
3		5875.000	47.89	4.11	52.00	105.20	-53.20	peak	
4	*	5920.000	48.87	4.32	53.19	71.90	-18.71	peak	

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Mode10 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	47.46	4.00	51.46	122.20	-70.74	peak	
2		5855.000	47.55	4.01	51.56	110.80	-59.24	peak	
3		5875.000	48.50	4.11	52.61	105.20	-52.59	peak	
4	*	5920.000	48.45	4.32	52.77	71.90	-19.13	peak	

TEST REPORT

Report No.: MTi250319007-0104E4

Mode11 / Polarization: Horizontal / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5650.000	48.41	3.29	51.70	68.20	-16.50	peak	
2		5700.000	47.29	3.61	50.90	105.20	-54.30	peak	
3		5720.000	48.08	3.59	51.67	110.80	-59.13	peak	
4		5725.000	47.61	3.58	51.19	122.20	-71.01	peak	

TEST REPORT

Report No.: MTi250319007-0104E4

Mode11 / Polarization: Vertical / CH: L

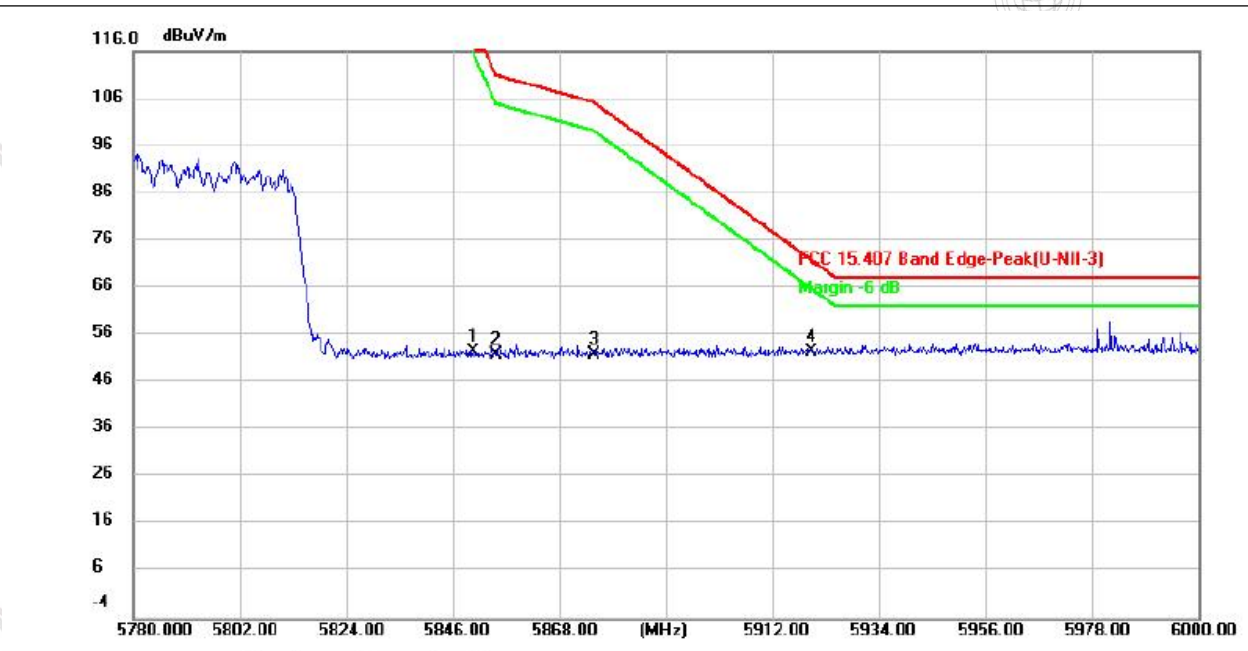


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5650.000	48.21	3.29	51.50	68.20	-16.70	peak	
2		5700.000	48.06	3.61	51.67	105.20	-53.53	peak	
3		5720.000	47.81	3.59	51.40	110.80	-59.40	peak	
4		5725.000	47.92	3.58	51.50	122.20	-70.70	peak	

TEST REPORT

Report No.: MTi250319007-0104E4

Mode11 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	48.52	4.00	52.52	122.20	-69.68	peak	
2		5855.000	47.88	4.01	51.89	110.80	-58.91	peak	
3		5875.000	47.88	4.11	51.99	105.20	-53.21	peak	
4	*	5920.000	48.33	4.32	52.65	71.90	-19.25	peak	

TEST REPORT

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Mode11 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	48.13	4.00	52.13	122.20	-70.07	peak	
2		5855.000	47.61	4.01	51.62	110.80	-59.18	peak	
3		5875.000	47.57	4.11	51.68	105.20	-53.52	peak	
4	*	5920.000	47.43	4.32	51.75	71.90	-20.15	peak	

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6.7 Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(9)																								
Test Limit:	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table: <table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.	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
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																							
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.5																								
Procedure:	Below 1GHz: - For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet. - Test the EUT in the lowest channel, the middle channel, the Highest channel. - The radiation measurements are performed in X, Y, Z axis positioning for																								

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Transmitting mode, and found the X axis positioning which it is the worst case.
i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

Above 1GHz:

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had

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	been displayed.
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6.7.1 E.U.T. Operation:

Operating Environment:

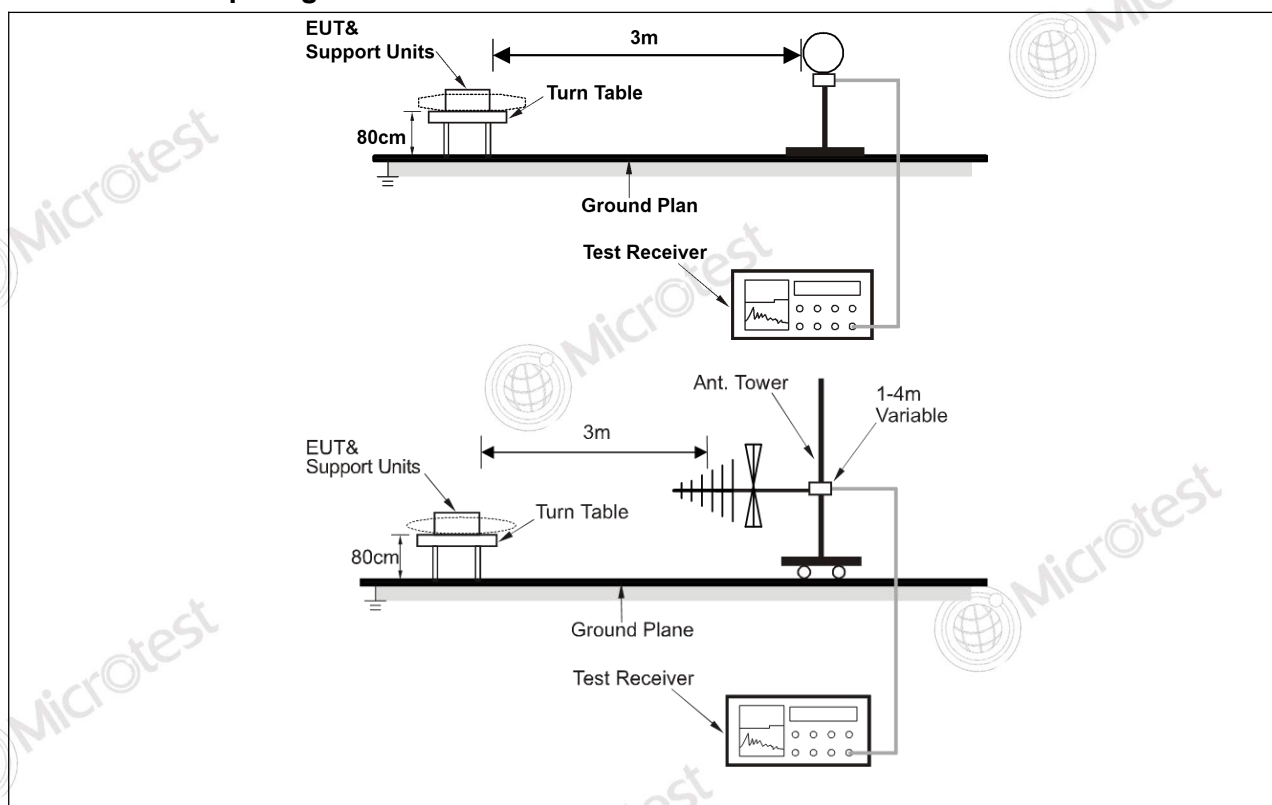
Temperature:	23.1 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
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Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11
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Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1, Mode7) is recorded in the report
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Note: Both Ant0 and Ant1 have tested the SISO mode, only the data of the worst Ant0 mode is recorded

6.7.2 Test Setup Diagram:



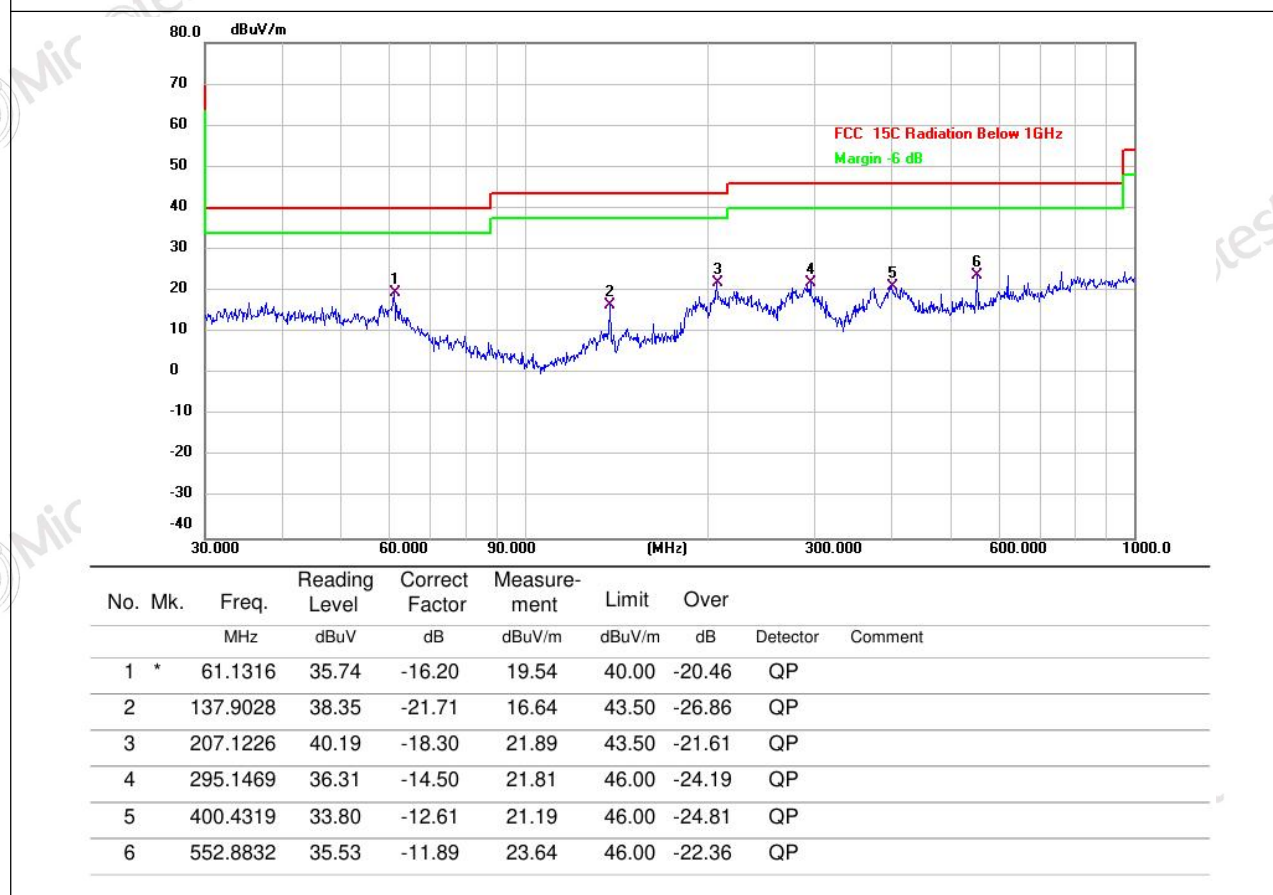
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6.7.3 Test Data:

UNII-1:

Mode1 / Polarization: Horizontal / CH: H



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Mode1 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		44.5868	41.82	-22.48	19.34	40.00	-20.66	QP	
2		93.4402	21.45	-8.81	12.64	43.50	-30.86	QP	
3	*	207.1226	45.04	-21.25	23.79	43.50	-19.71	QP	
4		276.1235	40.38	-14.62	25.76	46.00	-20.24	QP	
5		416.1791	31.56	-12.61	18.95	46.00	-27.05	QP	
6		760.7036	32.82	-7.02	25.80	46.00	-20.20	QP	

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UNII-3:

Mode1 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		33.5624	43.93	-23.87	20.06	40.00	-19.94	QP	
2		52.5753	36.73	-20.23	16.50	40.00	-23.50	QP	
3		207.1226	45.04	-21.25	23.79	43.50	-19.71	QP	
4	*	276.1235	41.45	-14.62	26.83	46.00	-19.17	QP	
5		578.6699	29.64	-11.18	18.46	46.00	-27.54	QP	
6		760.7036	33.33	-7.02	26.31	46.00	-19.69	QP	

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Mode1 / Polarization: Vertical / CH: H

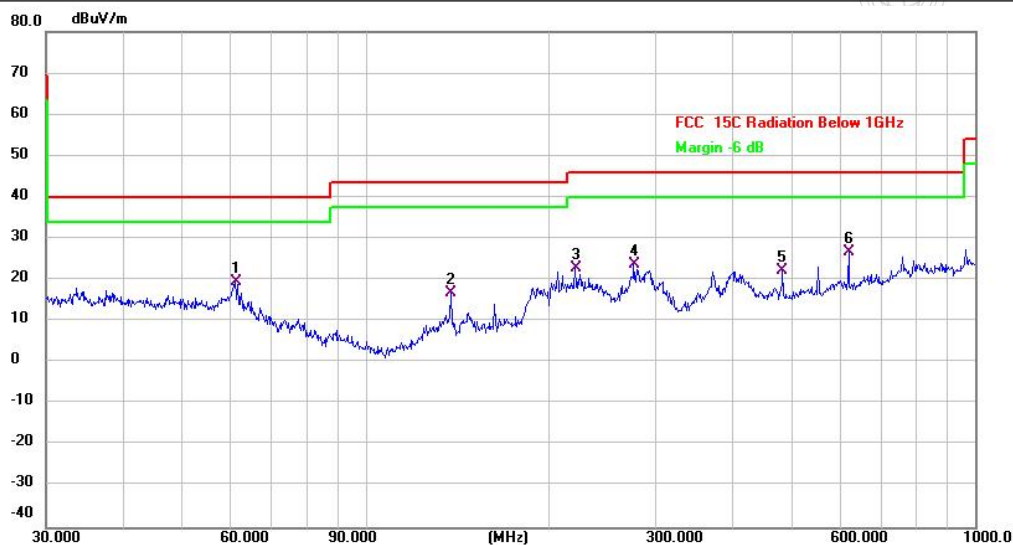


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		60.9176	36.71	-16.17	20.54	40.00	-19.46	QP	
2		137.9028	35.74	-21.71	14.03	43.50	-29.47	QP	
3	*	207.1226	45.54	-18.30	27.24	43.50	-16.26	QP	
4		276.1235	37.65	-14.80	22.85	46.00	-23.15	QP	
5		404.6665	34.87	-12.12	22.75	46.00	-23.25	QP	
6		620.7096	36.57	-9.62	26.95	46.00	-19.05	QP	

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Mode7 / Polarization: Horizontal / CH: H

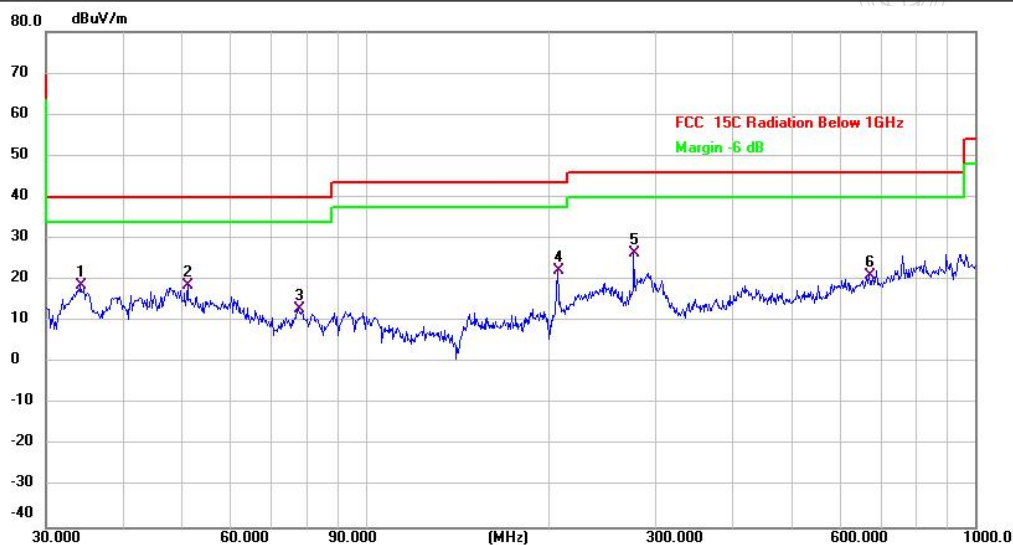


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	61.1316	35.76	-16.20	19.56	40.00	-20.44	QP	
2	137.9028	38.56	-21.71	16.85	43.50	-26.65	QP	
3	221.3921	38.65	-15.86	22.79	46.00	-23.21	QP	
4	276.1235	38.45	-14.80	23.65	46.00	-22.35	QP	
5	483.9094	34.86	-12.59	22.27	46.00	-23.73	QP	
6 *	620.7096	36.36	-9.62	26.74	46.00	-19.26	QP	

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Mode7 / Polarization: Vertical / CH: H



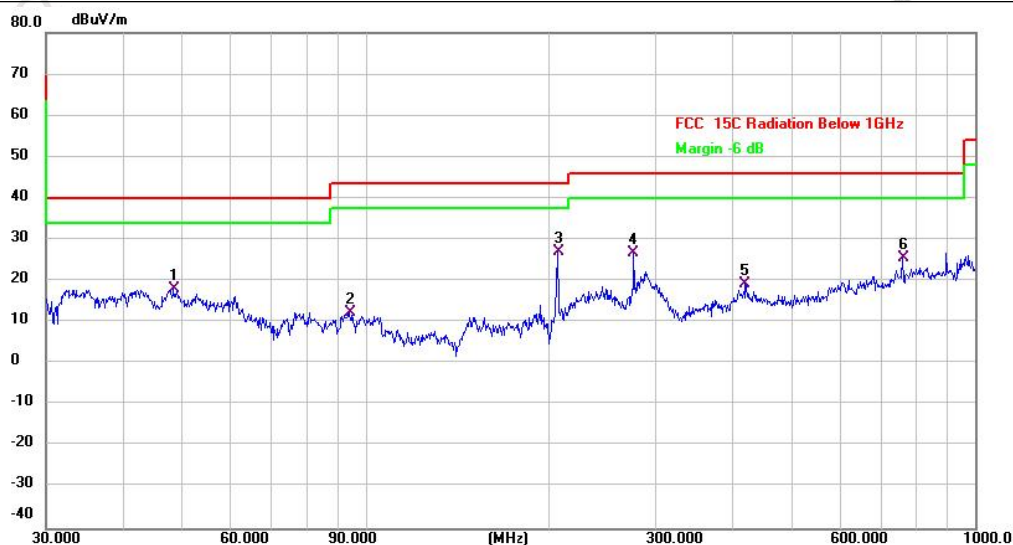
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		34.1561	42.53	-23.75	18.78	40.00	-21.22	QP	
2		51.1209	39.58	-21.05	18.53	40.00	-21.47	QP	
3		77.5928	29.25	-16.20	13.05	40.00	-26.95	QP	
4		207.1226	43.48	-21.25	22.23	43.50	-21.27	QP	
5	*	276.1235	41.21	-14.62	26.59	46.00	-19.41	QP	
6		670.4893	28.68	-7.55	21.13	46.00	-24.87	QP	

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UNII-3:

Mode7 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		48.5016	39.45	-21.51	17.94	40.00	-22.06	QP	
2		94.0979	21.71	-9.36	12.35	43.50	-31.15	QP	
3	*	207.1226	48.26	-21.25	27.01	43.50	-16.49	QP	
4		276.1235	41.48	-14.62	26.86	46.00	-19.14	QP	
5		420.5803	32.13	-12.73	19.40	46.00	-26.60	QP	
6		760.7036	32.47	-7.02	25.45	46.00	-20.55	QP	

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Report No.: MTi250319007-0104E4

Mode7 / Polarization: Vertical / CH: H



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	61.1316	35.20	-16.20	19.00	40.00	-21.00	QP	
2	137.9028	35.67	-21.71	13.96	43.50	-29.54	QP	
3 *	207.1226	41.57	-18.30	23.27	43.50	-20.23	QP	
4	276.1235	37.40	-14.80	22.60	46.00	-23.40	QP	
5	400.4319	33.70	-12.61	21.09	46.00	-24.91	QP	
6	620.7096	34.10	-9.62	24.48	46.00	-21.52	QP	

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6.8 Undesirable emission limits (above 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																										
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table border="1"> <thead> <tr> <th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr> </thead> <tbody> <tr> <td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr> <tr> <td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr> <tr> <td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr> <tr> <td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr> <tr> <td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr> <tr> <td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr> <tr> <td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr> <tr> <td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr> <tr> <td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr> <tr> <td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr> <tr> <td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr> <tr> <td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr> <tr> <td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr> <tr> <td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr> <tr> <td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr> <tr> <td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr> <tr> <td>13.36-13.41</td><td></td><td></td><td></td></tr> </tbody> </table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.			MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
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Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following 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

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method: ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7

Procedure:

Above 1GHz:

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low.

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	The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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6.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6, Mode7, Mode8, Mode9, Mode10, Mode11				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1, Mode7) is recorded in the report				
Note: Both Ant0 and Ant1 have tested the SISO mode, only the data of the worst Ant0 mode is recorded					

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6.8.2 Test Data:

U-NII 1:

Mode1 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	44.48	10.33	54.81	74.00	-19.19	peak
2		10360.000	33.99	10.33	44.32	54.00	-9.68	AVG
3		15540.000	47.16	12.23	59.39	74.00	-14.61	peak
4	*	15540.000	37.12	12.23	49.35	54.00	-4.65	AVG

Mode1 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	45.83	10.33	56.16	74.00	-17.84	peak
2		10360.000	36.02	10.33	46.35	54.00	-7.65	AVG
3		15540.000	47.78	12.23	60.01	74.00	-13.99	peak
4	*	15540.000	38.24	12.23	50.47	54.00	-3.53	AVG

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Mode1 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	44.86	10.38	55.24	74.00	-18.76	peak
2		10400.000	35.30	10.38	45.68	54.00	-8.32	AVG
3		15600.000	46.96	12.37	59.33	74.00	-14.67	peak
4	*	15600.000	37.00	12.37	49.37	54.00	-4.63	AVG

Mode1 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	44.14	10.38	54.52	74.00	-19.48	peak
2		10400.000	33.87	10.38	44.25	54.00	-9.75	AVG
3		15600.000	46.93	12.37	59.30	74.00	-14.70	peak
4	*	15600.000	37.30	12.37	49.67	54.00	-4.33	AVG

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Mode1 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	44.54	10.24	54.78	74.00	-19.22	peak
2		10480.000	34.02	10.24	44.26	54.00	-9.74	AVG
3		15720.000	46.71	12.26	58.97	74.00	-15.03	peak
4	*	15720.000	36.31	12.26	48.57	54.00	-5.43	AVG

Mode1 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	44.60	10.24	54.84	74.00	-19.16	peak
2		10480.000	34.38	10.24	44.62	54.00	-9.38	AVG
3		15720.000	47.40	12.26	59.66	74.00	-14.34	peak
4	*	15720.000	37.12	12.26	49.38	54.00	-4.62	AVG

TEST REPORT

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Mode7 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	44.54	10.33	54.87	74.00	-19.13	peak
2		10360.000	33.99	10.33	44.32	54.00	-9.68	AVG
3		15540.000	47.57	12.23	59.80	74.00	-14.20	peak
4	*	15540.000	37.45	12.23	49.68	54.00	-4.32	AVG

Mode7 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	44.25	10.33	54.58	74.00	-19.42	peak
2		10360.000	33.93	10.33	44.26	54.00	-9.74	AVG
3		15540.000	46.93	12.23	59.16	74.00	-14.84	peak
4	*	15540.000	37.05	12.23	49.28	54.00	-4.72	AVG

TEST REPORT

Report No.: MTi250319007-0104E4

Mode7 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	44.93	10.38	55.31	74.00	-18.69	peak
2		10400.000	34.83	10.38	45.21	54.00	-8.79	AVG
3		15600.000	47.79	12.37	60.16	74.00	-13.84	peak
4	*	15600.000	37.77	12.37	50.14	54.00	-3.86	AVG

Mode7 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	45.02	10.38	55.40	74.00	-18.60	peak
2		10400.000	34.88	10.38	45.26	54.00	-8.74	AVG
3		15600.000	47.18	12.37	59.55	74.00	-14.45	peak
4	*	15600.000	37.01	12.37	49.38	54.00	-4.62	AVG

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Mode7 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	44.29	10.24	54.53	74.00	-19.47	peak
2		10480.000	34.05	10.24	44.29	54.00	-9.71	AVG
3		15720.000	47.83	12.26	60.09	74.00	-13.91	peak
4	*	15720.000	37.91	12.26	50.17	54.00	-3.83	AVG

Mode7 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	44.60	10.24	54.84	74.00	-19.16	peak
2		10480.000	34.45	10.24	44.69	54.00	-9.31	AVG
3		15720.000	46.80	12.26	59.06	74.00	-14.94	peak
4	*	15720.000	36.98	12.26	49.24	54.00	-4.76	AVG

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U-NII 3:

Mode1 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	45.12	11.12	56.24	68.20	-11.96	peak
2		11490.000	35.23	11.12	46.35	54.00	-7.65	AVG
3		17235.000	45.16	13.79	58.95	68.20	-9.25	peak
4	*	17235.000	34.95	13.79	48.74	54.00	-5.26	AVG

Mode1 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	43.65	11.12	54.77	68.20	-13.43	peak
2		11490.000	33.20	11.12	44.32	54.00	-9.68	AVG
3		17235.000	45.93	13.79	59.72	68.20	-8.48	peak
4	*	17235.000	35.88	13.79	49.67	54.00	-4.33	AVG

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Mode1 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11570.000	44.34	10.72	55.06	68.20	-13.14	peak
2		11570.000	34.52	10.72	45.24	54.00	-8.76	AVG
3		17355.000	45.74	14.10	59.84	68.20	-8.36	peak
4	*	17355.000	35.25	14.10	49.35	54.00	-4.65	AVG

Mode1 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11570.000	45.15	10.72	55.87	68.20	-12.33	peak
2		11570.000	34.97	10.72	45.69	54.00	-8.31	AVG
3		17355.000	45.70	14.10	59.80	68.20	-8.40	peak
4	*	17355.000	35.37	14.10	49.47	54.00	-4.53	AVG

TEST REPORT

Report No.: MTi250319007-0104E4

Mode1 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11650.000	44.31	10.60	54.91	68.20	-13.29	peak
2		11650.000	34.02	10.60	44.62	54.00	-9.38	AVG
3		17475.000	46.87	14.40	61.27	68.20	-6.93	peak
4	*	17475.000	36.57	14.40	50.97	54.00	-3.03	AVG

Mode1 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11650.000	44.59	10.60	55.19	68.20	-13.01	peak
2		11650.000	34.76	10.60	45.36	54.00	-8.64	AVG
3		17475.000	45.69	14.40	60.09	68.20	-8.11	peak
4	*	17475.000	36.07	14.40	50.47	54.00	-3.53	AVG

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Mode7 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	44.71	11.12	55.83	68.20	-12.37	peak
2		11490.000	34.27	11.12	45.39	54.00	-8.61	AVG
3		17235.000	46.03	13.79	59.82	68.20	-8.38	peak
4	*	17235.000	35.95	13.79	49.74	54.00	-4.26	AVG

Mode7 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	43.74	11.12	54.86	68.20	-13.34	peak
2		11490.000	33.24	11.12	44.36	54.00	-9.64	AVG
3		17235.000	45.10	13.79	58.89	68.20	-9.31	peak
4	*	17235.000	34.78	13.79	48.57	54.00	-5.43	AVG

TEST REPORT

Report No.: MTi250319007-0104E4

Mode7 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11570.000	44.70	10.72	55.42	68.20	-12.78	peak
2		11570.000	34.66	10.72	45.38	54.00	-8.62	AVG
3		17355.000	45.40	14.10	59.50	68.20	-8.70	peak
4	*	17355.000	35.37	14.10	49.47	54.00	-4.53	AVG

Mode7 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11570.000	44.94	10.72	55.66	68.20	-12.54	peak
2		11570.000	34.66	10.72	45.38	54.00	-8.62	AVG
3		17355.000	45.76	14.10	59.86	68.20	-8.34	peak
4	*	17355.000	35.26	14.10	49.36	54.00	-4.64	AVG

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Mode7 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11650.000	45.28	10.60	55.88	68.20	-12.32	peak
2		11650.000	34.78	10.60	45.38	54.00	-8.62	AVG
3		17475.000	45.62	14.40	60.02	68.20	-8.18	peak
4	*	17475.000	35.74	14.40	50.14	54.00	-3.86	AVG

Mode7 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11650.000	45.02	10.60	55.62	68.20	-12.58	peak
2		11650.000	35.75	10.60	46.35	54.00	-7.65	AVG
3		17475.000	44.68	14.40	59.08	68.20	-9.12	peak
4	*	17475.000	35.07	14.40	49.47	54.00	-4.53	AVG

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Photographs of the test setup

Refer to Appendix - Test Setup Photos

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Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

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Appendix A1: Emission bandwidth (26dB bandwidth)

Test Result

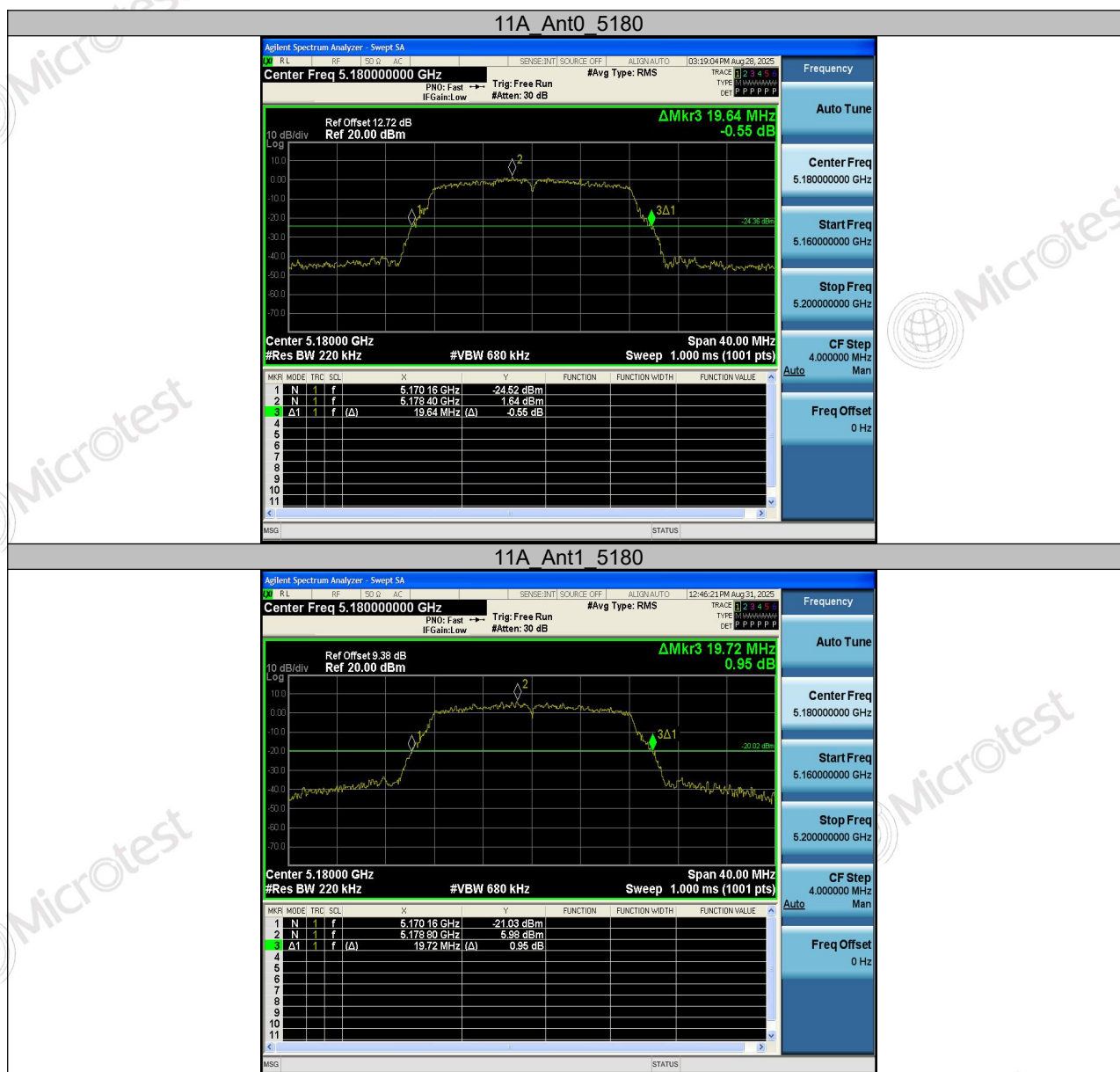
Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]
11A	Ant0	5180	19.640
	Ant1	5180	19.720
	Ant0	5200	20.320
	Ant1	5200	20.240
	Ant0	5240	20.080
	Ant1	5240	19.920
	Ant0	5745	20.200
	Ant1	5745	20.400
	Ant0	5785	22.600
	Ant1	5785	21.360
	Ant0	5825	22.680
	Ant1	5825	21.320
11N20SISO	Ant0	5180	20.280
	Ant1	5180	20.360
	Ant0	5200	20.080
	Ant1	5200	20.160
	Ant0	5240	20.360
	Ant1	5240	20.280
	Ant0	5745	20.400
	Ant1	5745	20.560
	Ant0	5785	20.760
	Ant1	5785	20.680
	Ant0	5825	20.520
	Ant1	5825	20.840
11N40SISO	Ant0	5190	40.400
	Ant1	5190	40.720
	Ant0	5230	40.720
	Ant1	5230	40.320
	Ant0	5755	41.200
	Ant1	5755	42.000
	Ant0	5795	41.520
	Ant1	5795	41.680
11AC20SISO	Ant0	5180	20.320
	Ant1	5180	20.120
	Ant0	5200	20.280
	Ant1	5200	20.280
	Ant0	5240	20.200
	Ant1	5240	20.400
	Ant0	5745	20.280
	Ant1	5745	20.640
	Ant0	5785	20.480
	Ant1	5785	20.840
	Ant0	5825	20.440
	Ant1	5825	20.320
11AC40SISO	Ant0	5190	40.720
	Ant1	5190	40.400
	Ant0	5230	40.560
	Ant1	5230	40.400
	Ant0	5755	40.720
	Ant1	5755	41.200
	Ant0	5795	42.960
	Ant1	5795	42.720
11AC80SISO	Ant0	5210	81.920
	Ant1	5210	81.120
	Ant0	5775	82.080

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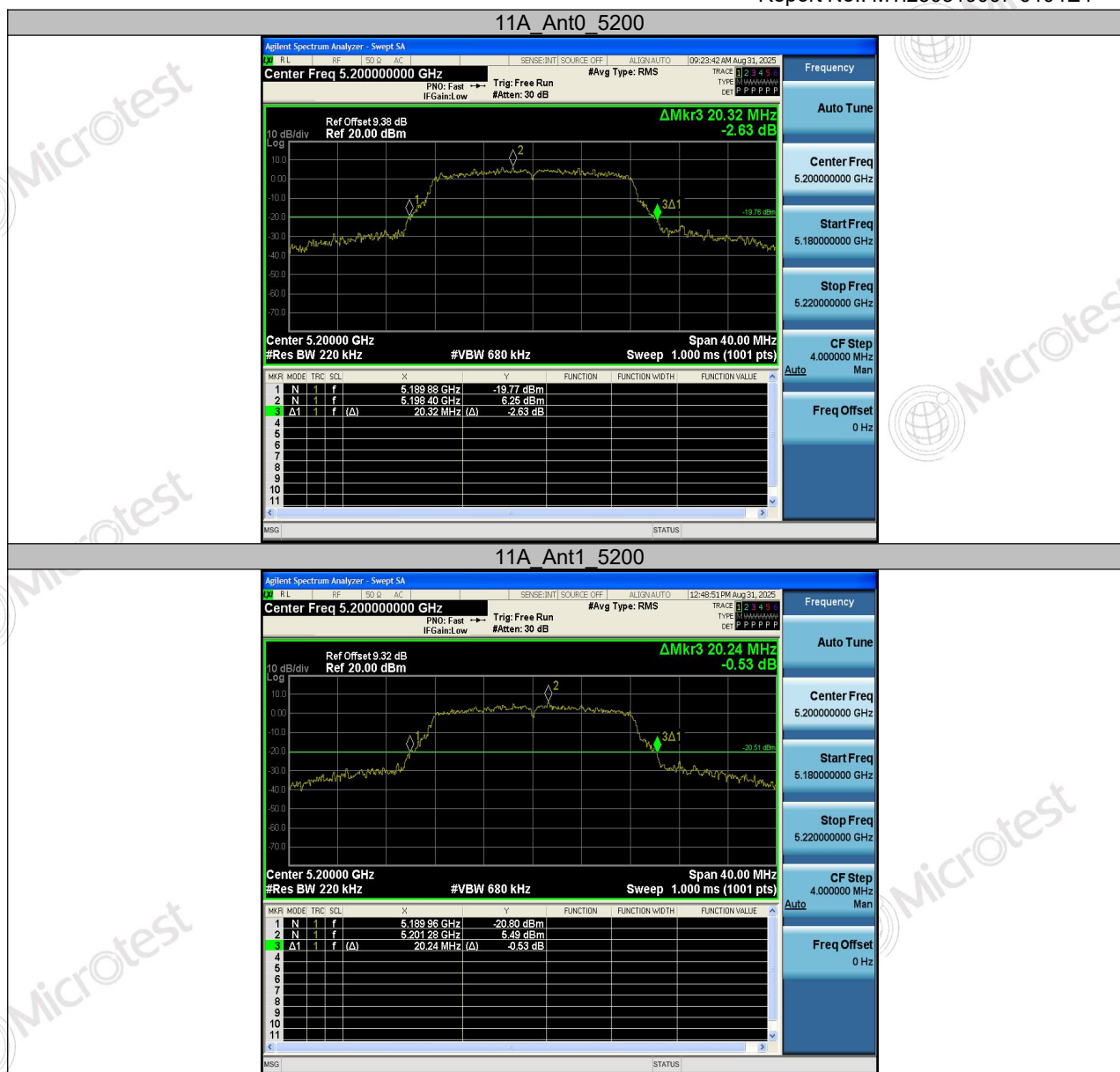
	Ant1	5775	81.280
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Test Graphs



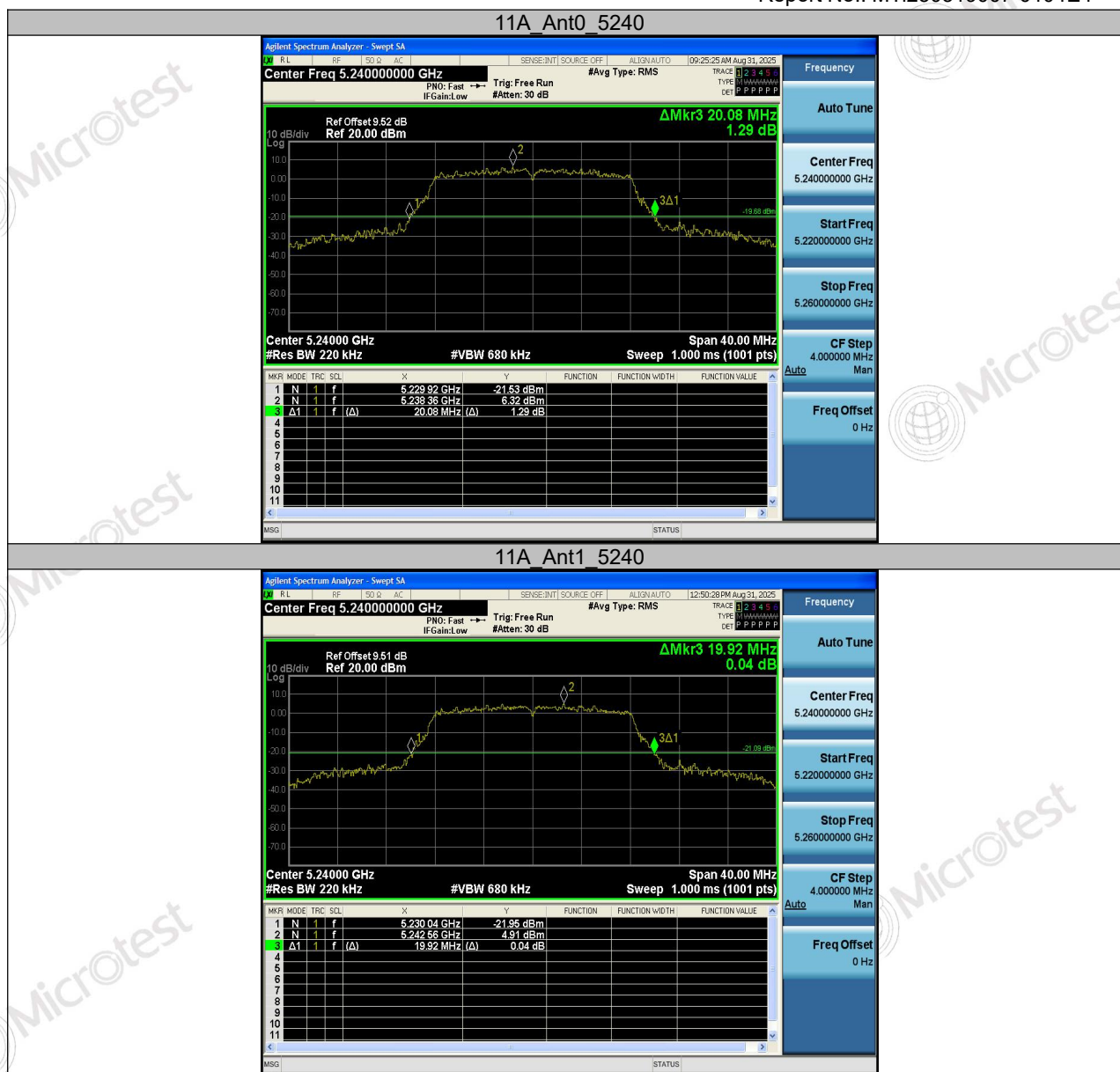
TEST REPORT

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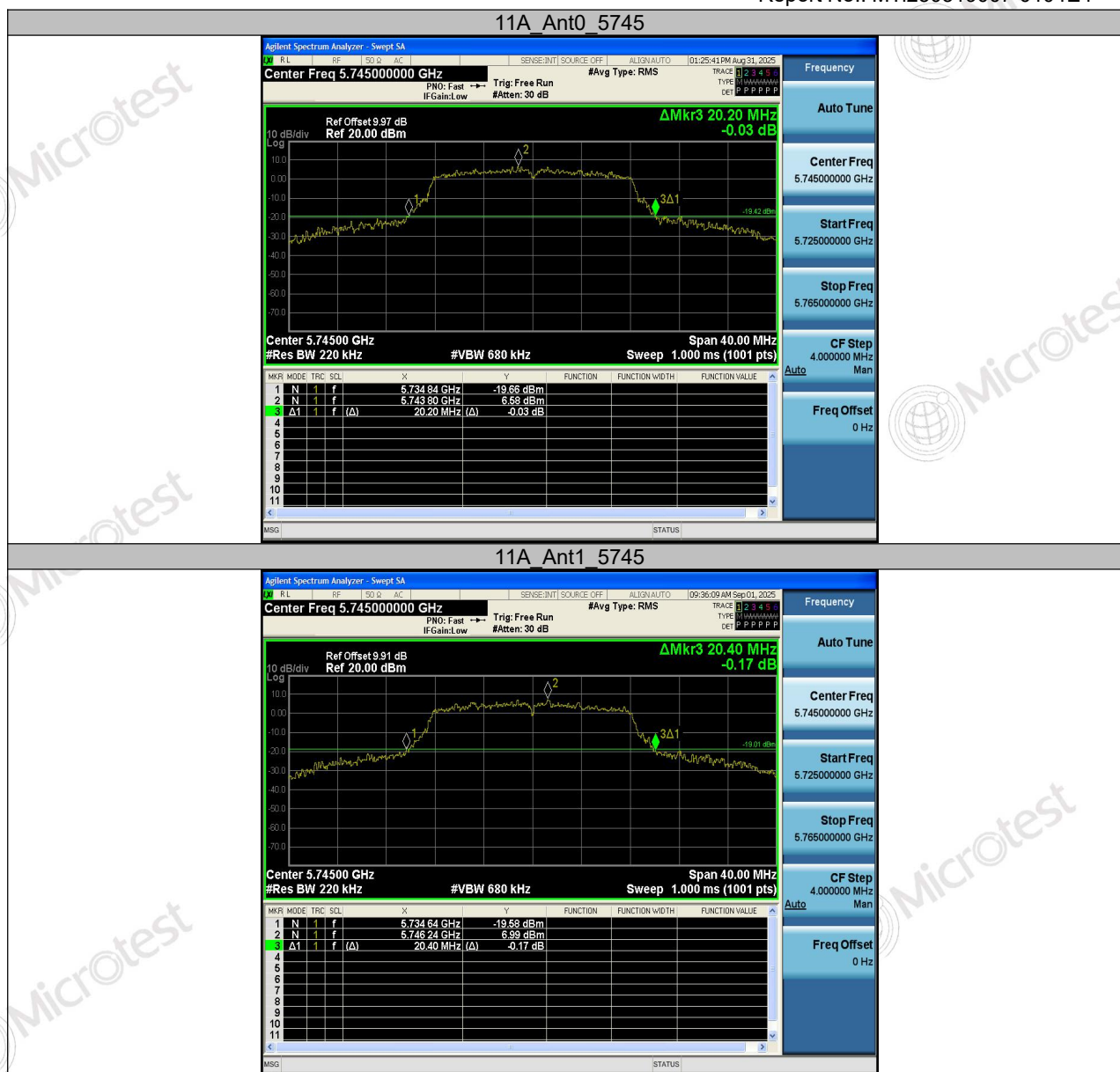
TEST REPORT

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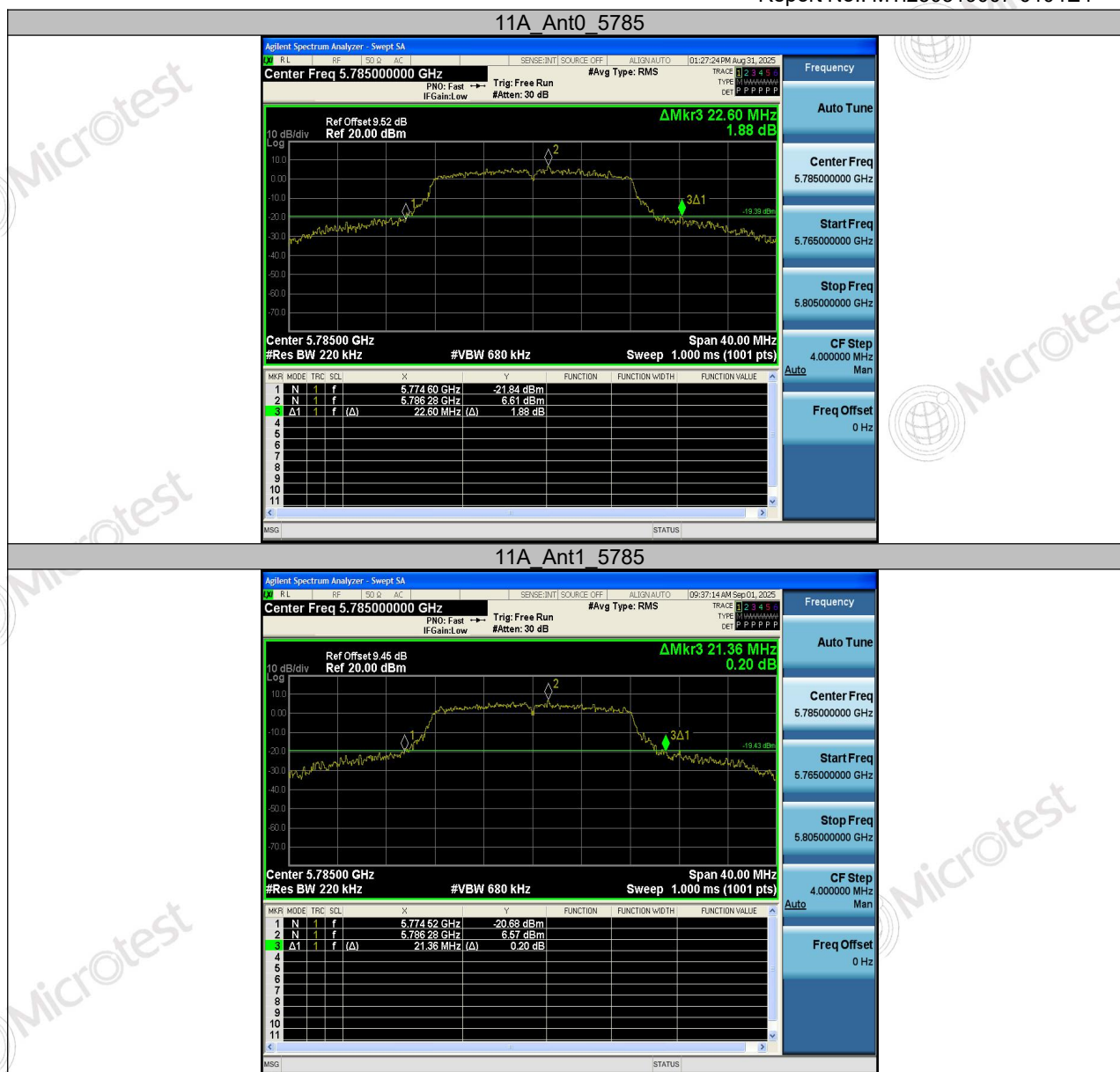
TEST REPORT

Report No.: MTI250319007-0104E4



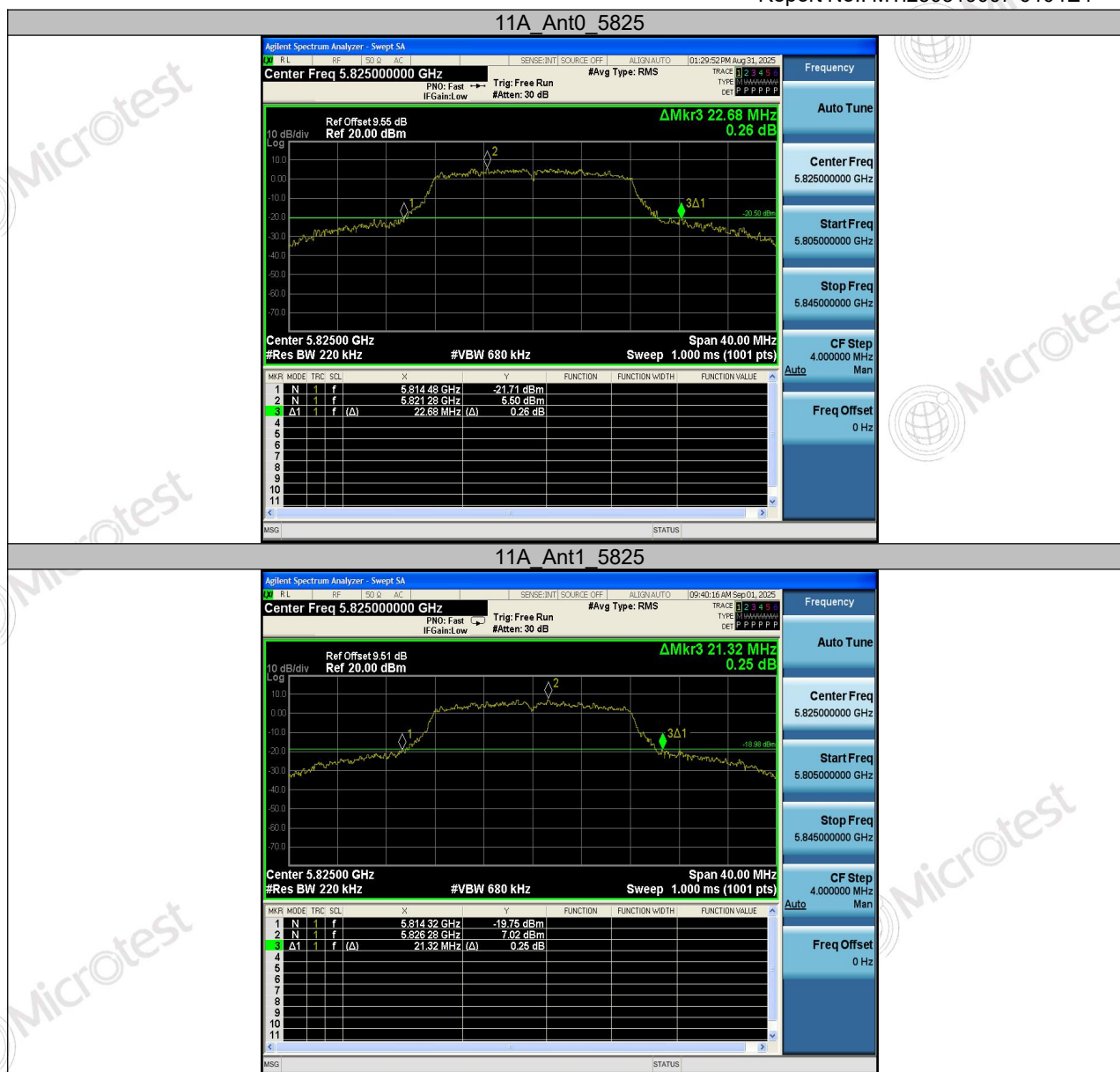
TEST REPORT

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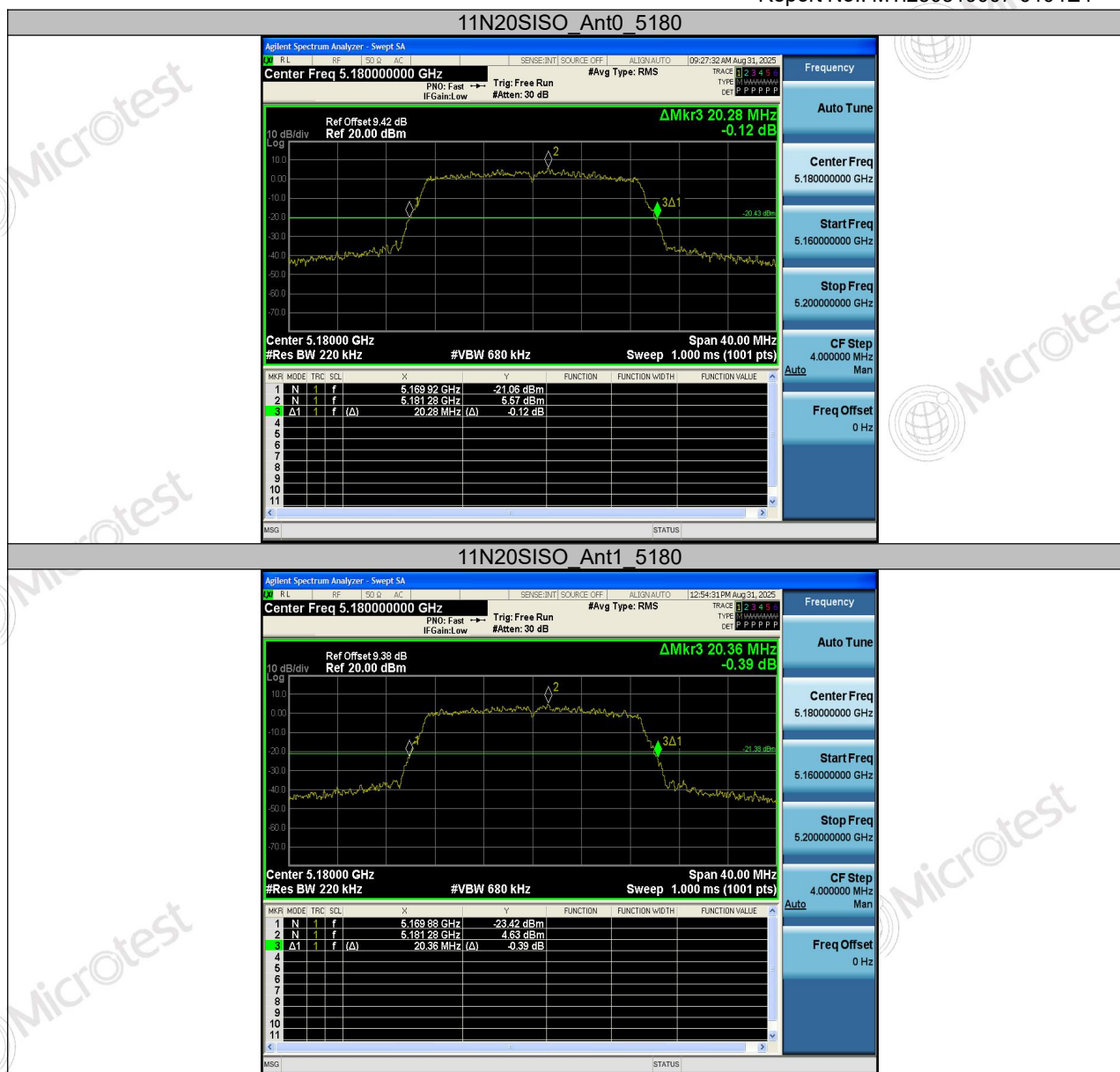
TEST REPORT

Report No.: MTi250319007-0104E4



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TEST REPORT

Report No.: MTI250319007-0104E4

