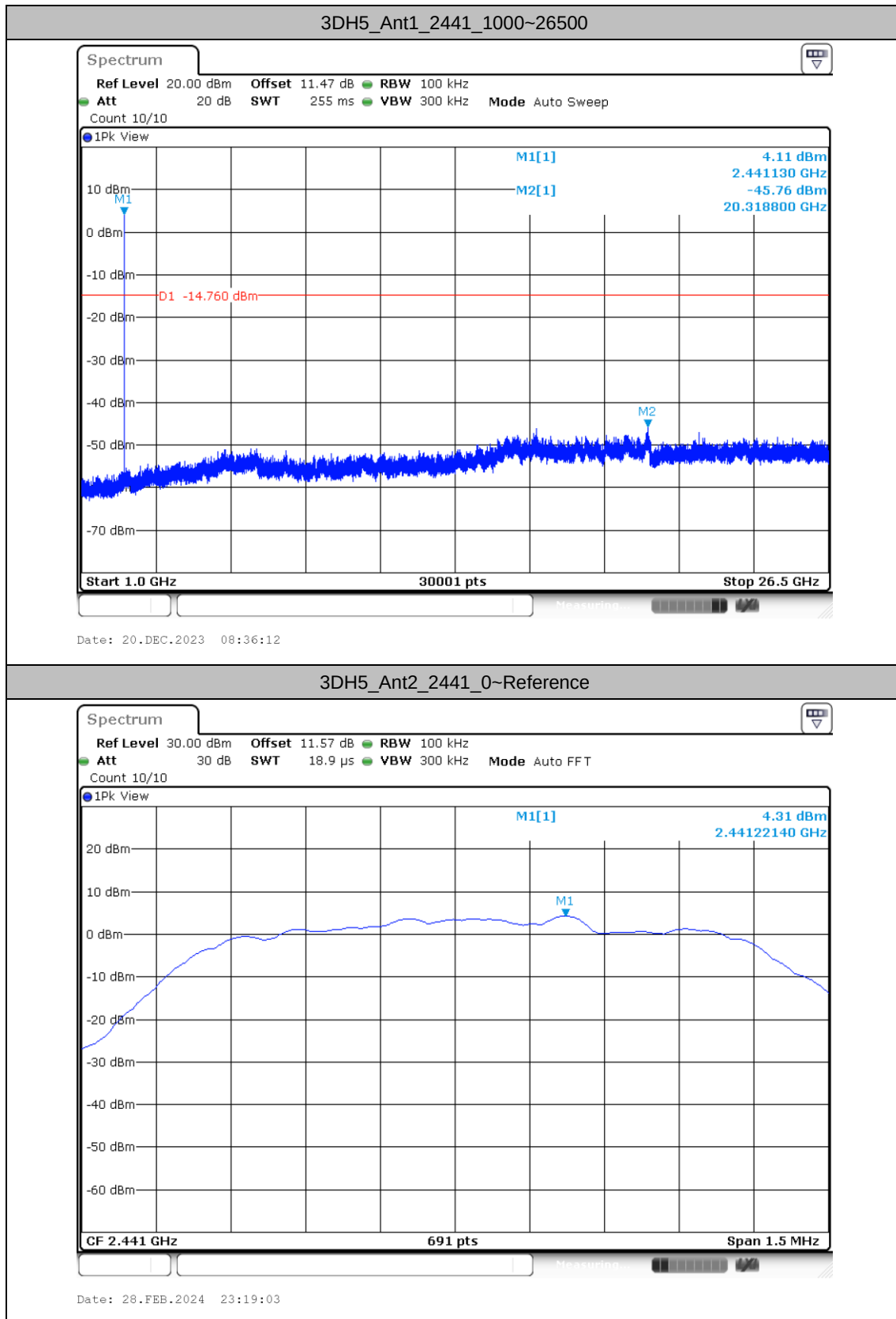
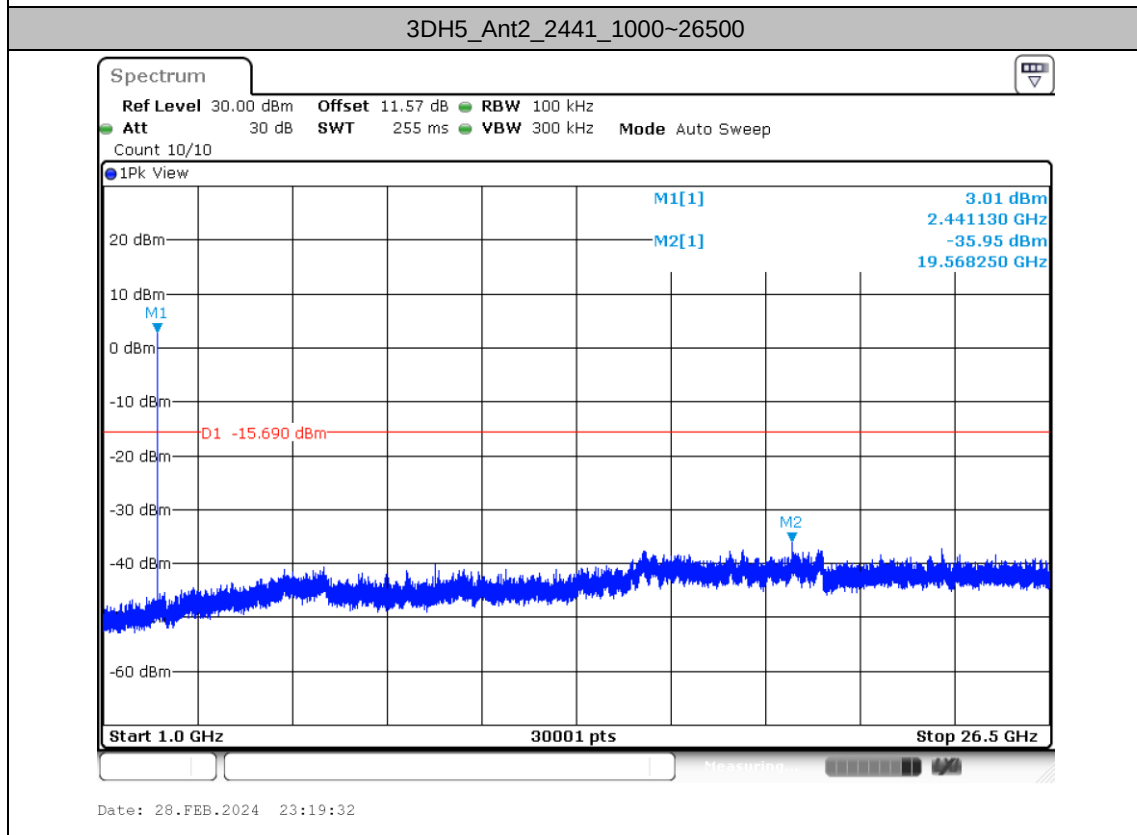
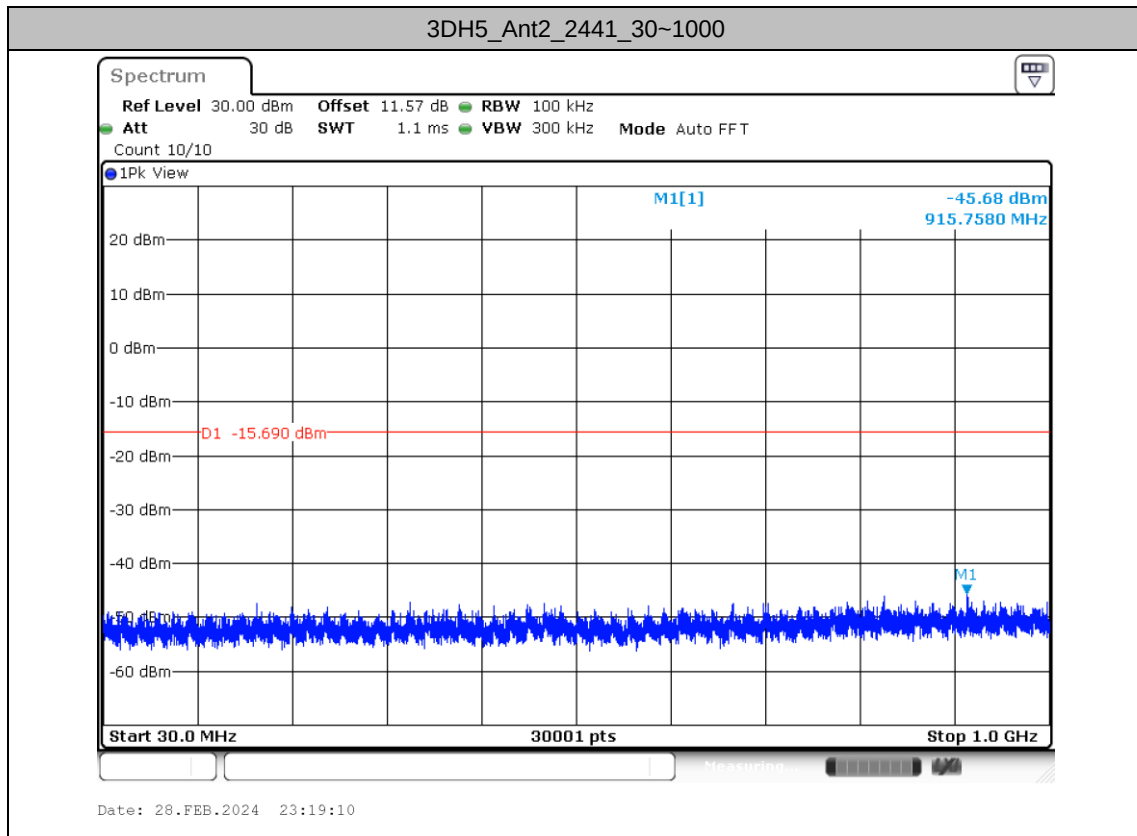
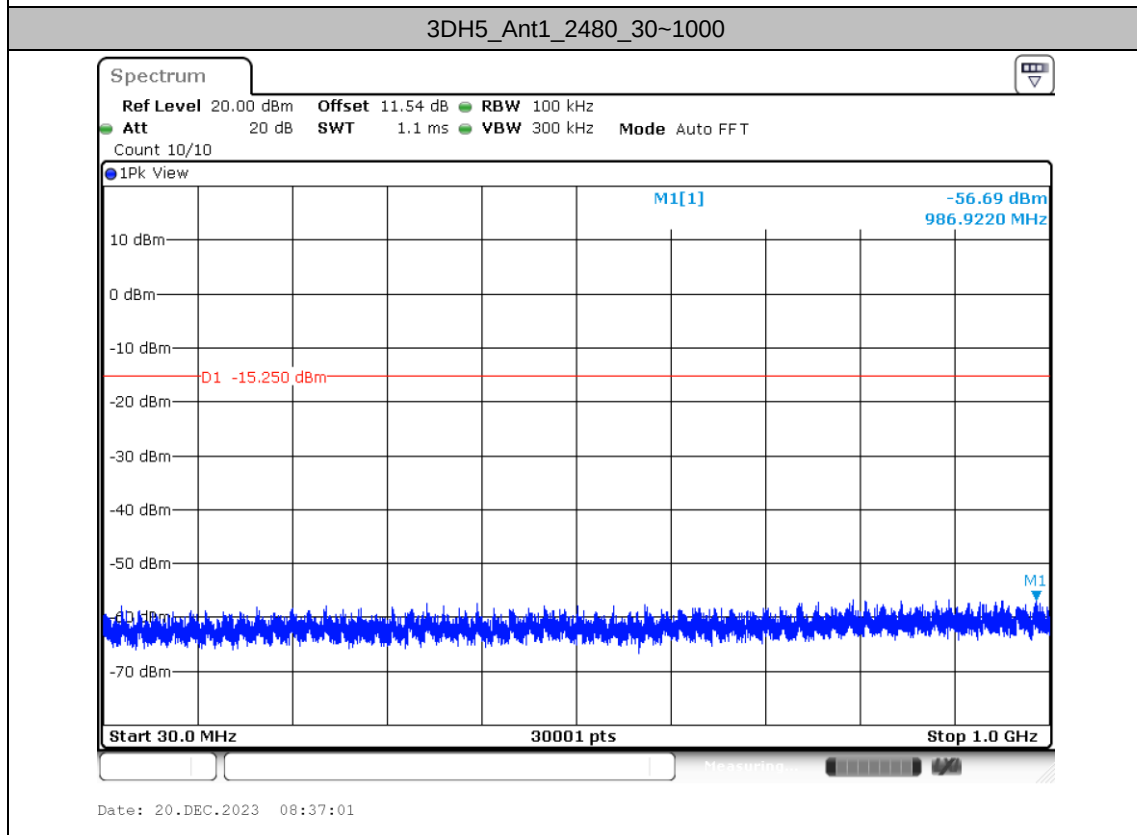
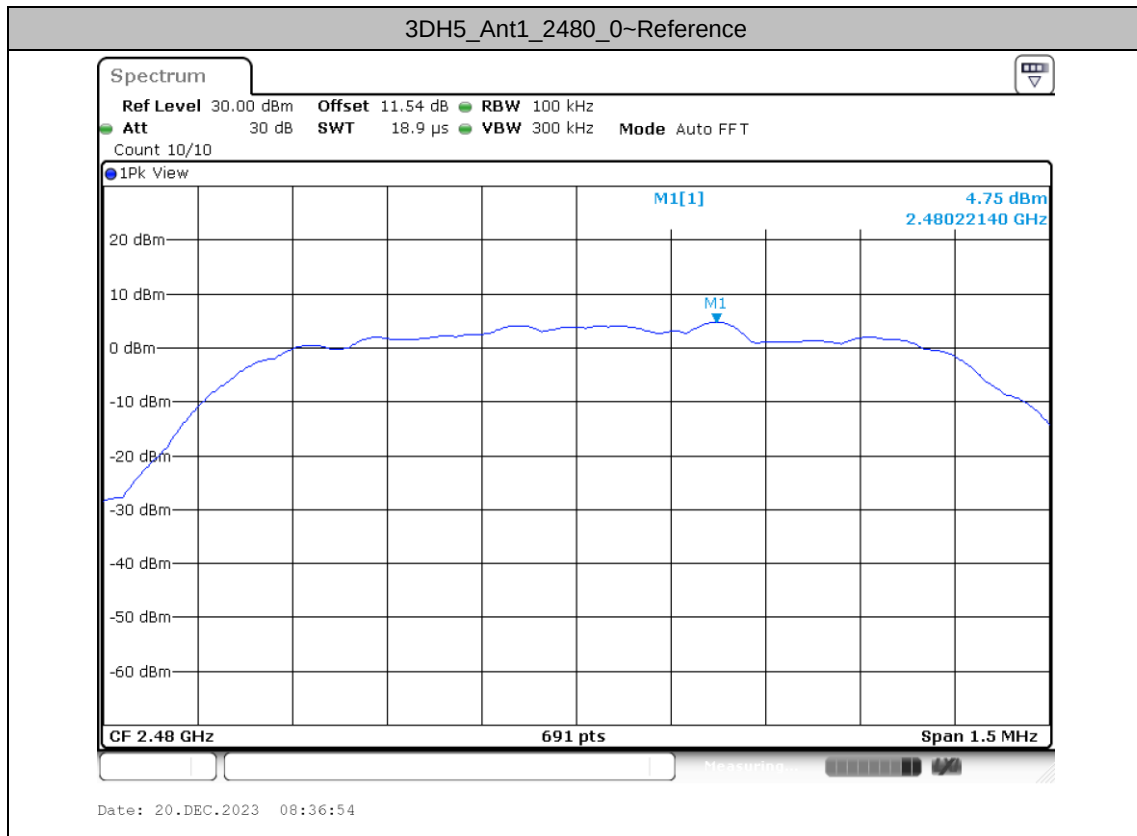
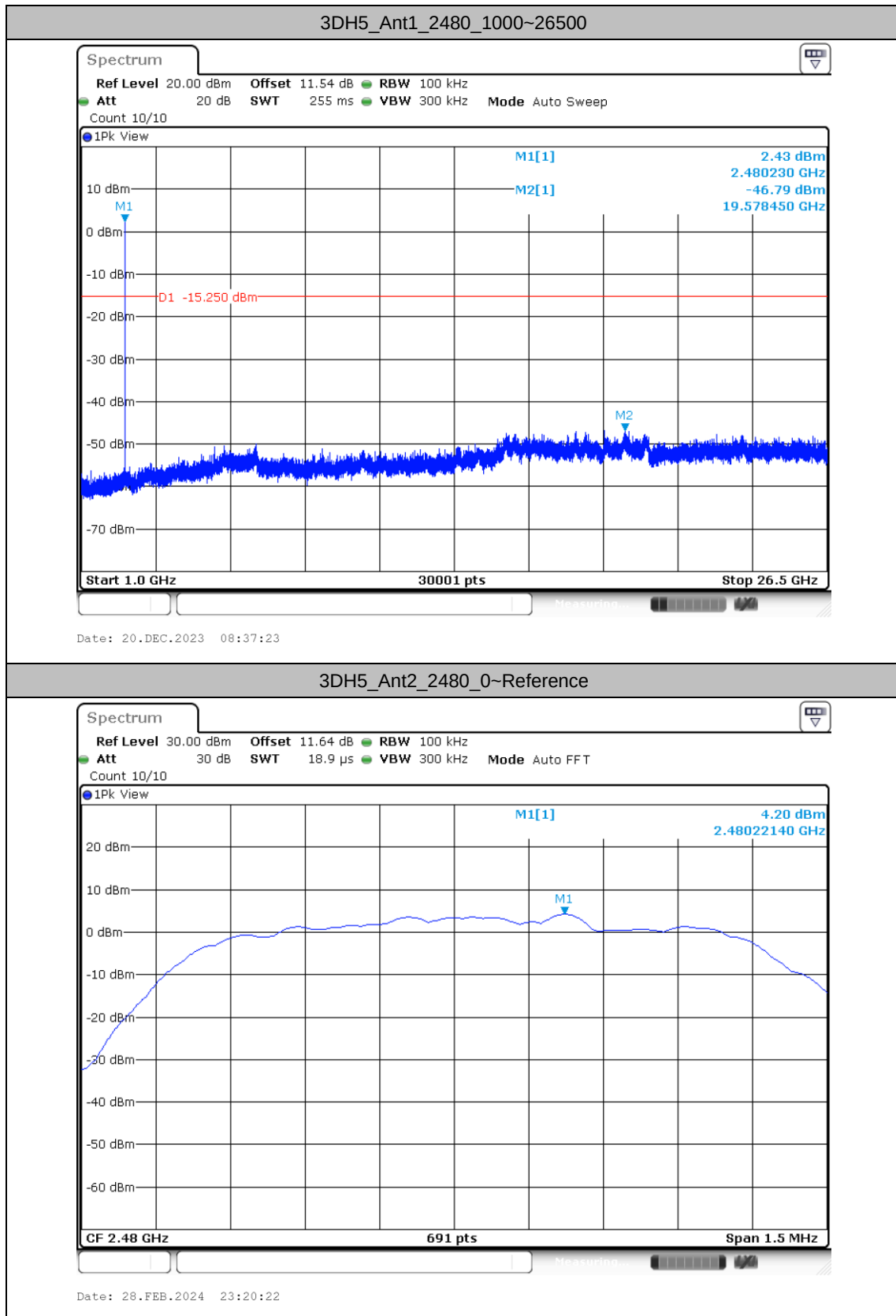
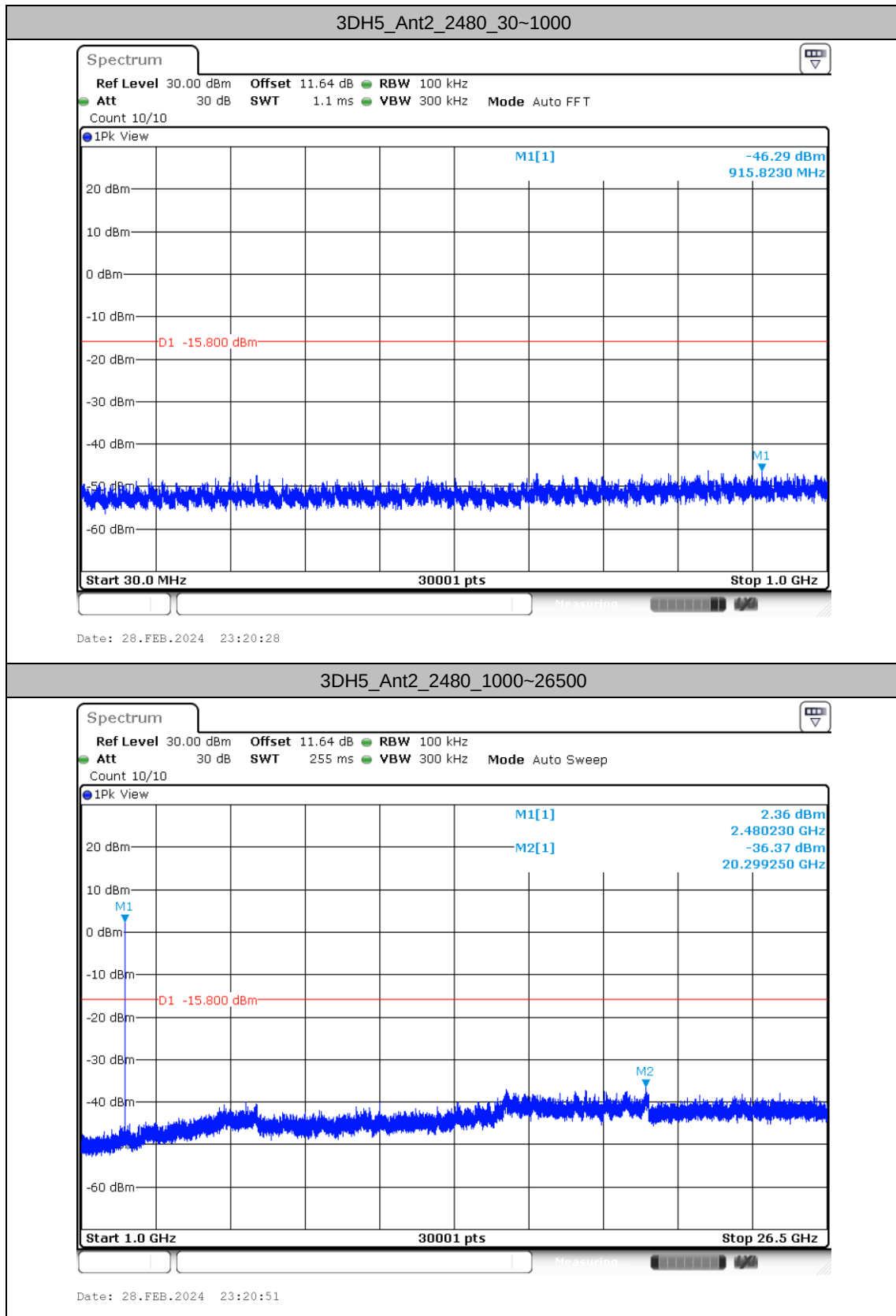






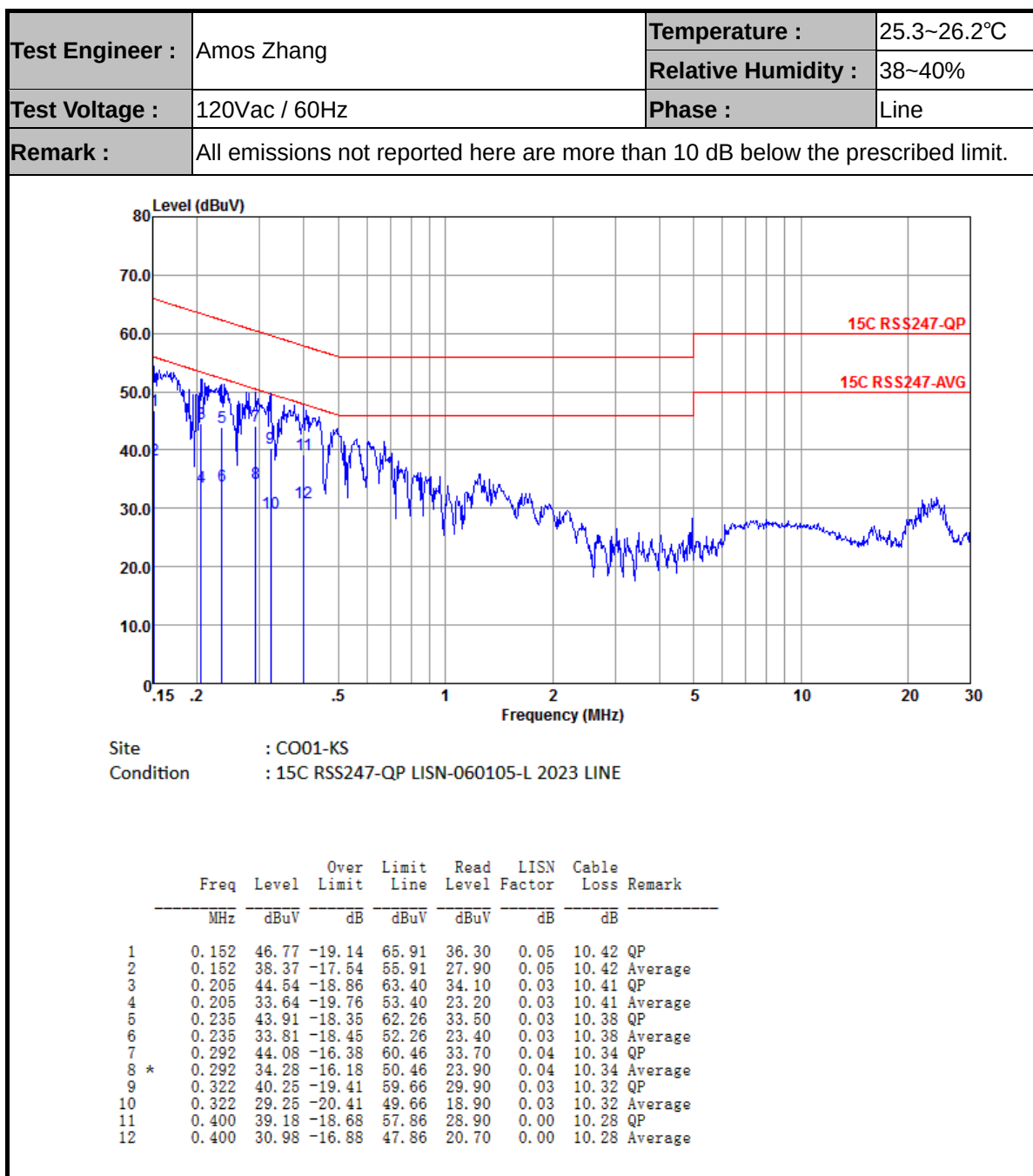






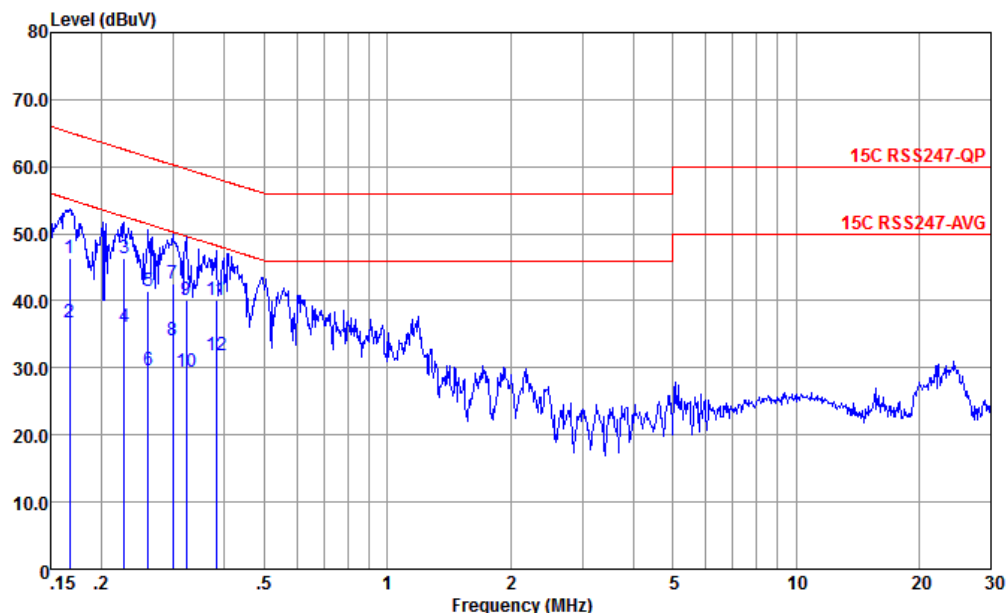


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-N 2023 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.167	46.36	-18.76	65.12	35.90	0.04	10.42	QP
2	0.167	36.76	-18.36	55.12	26.30	0.04	10.42	Average
3 *	0.227	46.31	-16.26	62.57	35.90	0.02	10.39	QP
4	0.227	36.21	-16.36	52.57	25.80	0.02	10.39	Average
5	0.260	41.55	-19.87	61.42	31.20	-0.01	10.36	QP
6	0.260	29.65	-21.77	51.42	19.30	-0.01	10.36	Average
7	0.299	42.49	-17.79	60.28	32.20	-0.04	10.33	QP
8	0.299	33.99	-16.29	50.28	23.70	-0.04	10.33	Average
9	0.322	40.18	-19.48	59.66	29.90	-0.04	10.32	QP
10	0.322	29.48	-20.18	49.66	19.20	-0.04	10.32	Average
11	0.381	40.13	-18.12	58.25	29.89	-0.05	10.29	QP
12	0.381	31.83	-16.42	48.25	21.59	-0.05	10.29	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Shiwei Wen	Relative Humidity :	48~49%
		Temperature :	24~25℃

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	1	Bluetooth BR_GFSK	00	2402	1DH5	-
Mode 2	2400-2483.5	1	Bluetooth BR_GFSK	39	2441	1DH5	-
Mode 3	2400-2483.5	1	Bluetooth BR_GFSK	78	2480	1DH5	-
Mode 4	2400-2483.5	2	Bluetooth BR_GFSK	00	2402	1DH5	-
Mode 5	2400-2483.5	2	Bluetooth BR_GFSK	39	2441	1DH5	-
Mode 6	2400-2483.5	2	Bluetooth BR_GFSK	78	2480	1DH5	-

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth BR_GFSK	00	2332.79	48.55	74.00	-25.45	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	00	4804.00	45.11	74.00	-28.89	H	Peak	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
	Bluetooth BR_GFSK	39	7323.00	48.62	74.00	-25.38	H	Peak	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2497.40	49.75	74.00	-24.25	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	7440.00	47.09	74.00	-26.91	H	Peak	Pass	Harmonic
	Bluetooth BR_GFSK	78	30	26.29	40	-13.71	V	Peak	Pass	LF
4	Bluetooth BR_GFSK	00	2388.65	50.46	74.00	-23.54	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	00	4804.00	46.62	74.00	-27.38	V	Peak	Pass	Harmonic
	Bluetooth BR_GFSK	00	811.82	30.22	46.00	-15.78	V	Peak	Pass	LF
5	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
	Bluetooth BR_GFSK	39	7323.00	49.32	74.00	-24.68	H	Peak	Pass	Harmonic
6	Bluetooth BR_GFSK	78	2483.72	50.45	74.00	-23.55	V	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	7440.00	49.70	74.00	-24.30	V	Peak	Pass	Harmonic



Mode	1																																																																											
	Band Edge																																																																											
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																											
ANT	1																																																																											
Pol.	Horizontal					Fundamental																																																																						
Peak	Level (dBuV/m) Date: 2024-01-10 Limit Margin Read Ant Cable Preamp APos TPos Freq Level Line (dB) Level Factor Loss Factor Remark <table><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2332.79</td><td>48.55</td><td>74.00</td><td>-25.45</td><td>40.89</td><td>32.13</td><td>7.60</td><td>32.07</td><td>360</td><td>231 PEAK</td></tr><tr><td>2</td><td>2332.79</td><td>23.76</td><td>54.00</td><td>-30.24</td><td>16.10</td><td>32.13</td><td>7.60</td><td>32.07</td><td>360</td><td>231 AVERAGE</td></tr></table>						MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	2332.79	48.55	74.00	-25.45	40.89	32.13	7.60	32.07	360	231 PEAK	2	2332.79	23.76	54.00	-30.24	16.10	32.13	7.60	32.07	360	231 AVERAGE	Level (dBuV/m) Date: 2024-01-10 Limit Margin Read Ant Cable Preamp APos TPos Freq Level Line (dB) Level Factor Loss Factor Remark <table><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2402.00</td><td>93.52</td><td>-----</td><td>-----</td><td>85.53</td><td>32.28</td><td>7.79</td><td>32.08</td><td>360</td><td>231 PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>68.73</td><td>-----</td><td>-----</td><td>60.74</td><td>32.28</td><td>7.79</td><td>32.08</td><td>360</td><td>231 AVERAGE</td></tr></table>						MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	2402.00	93.52	-----	-----	85.53	32.28	7.79	32.08	360	231 PEAK	2	2402.00	68.73	-----	-----	60.74	32.28	7.79	32.08	360	231 AVERAGE
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Mode	2																																																																																								
	Harmonic																																																																																								
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz																																																																																								
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3	7323.00	48.62	74.00	-25.38	50.37	36.33	13.09	51.17	--	--	Peak																																																																														
4	7323.00	23.84	54.00	-30.16	25.59	36.33	13.09	51.17	--	--	Average																																																																														
Level (dBuV/m) Date: 2024-01-11 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4882.00</td><td>44.86</td><td>74.00</td><td>-29.14</td><td>50.46</td><td>34.85</td><td>11.10</td><td>51.55</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4882.00</td><td>20.07</td><td>54.00</td><td>-33.93</td><td>25.67</td><td>34.85</td><td>11.10</td><td>51.55</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7323.00</td><td>47.40</td><td>74.00</td><td>-26.60</td><td>49.15</td><td>36.33</td><td>13.09</td><td>51.17</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7323.00</td><td>22.62</td><td>54.00</td><td>-31.38</td><td>24.37</td><td>36.33</td><td>13.09</td><td>51.17</td><td>--</td><td>--</td><td>Average</td></tr></table>												Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	4882.00	44.86	74.00	-29.14	50.46	34.85	11.10	51.55	--	--	Peak	2	4882.00	20.07	54.00	-33.93	25.67	34.85	11.10	51.55	--	--	Average	3	7323.00	47.40	74.00	-26.60	49.15	36.33	13.09	51.17	--	--	Peak	4	7323.00	22.62	54.00	-31.38	24.37	36.33	13.09	51.17	--	--	Average	
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Pol.	Horizontal					Fundamental																																																																																																		
Peak	Level (dBuV/m) Date: 2024-01-10 Frequency (MHz) <table><tr><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 2497.40</td><td>49.75</td><td>74.00</td><td>-24.25</td><td>41.47</td><td>32.49</td><td>7.89</td><td>32.10</td><td>392</td><td>229</td><td>PEAK</td></tr><tr><td>2 2497.40</td><td>24.96</td><td>54.00</td><td>-29.04</td><td>16.68</td><td>32.49</td><td>7.89</td><td>32.10</td><td>392</td><td>229</td><td>AVERAGE</td></tr></table>					Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Freq	Level	Line	Level	Factor	Loss	Factor	Remark	MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1 2497.40	49.75	74.00	-24.25	41.47	32.49	7.89	32.10	392	229	PEAK	2 2497.40	24.96	54.00	-29.04	16.68	32.49	7.89	32.10	392	229	AVERAGE	Level (dBuV/m) Date: 2024-01-10 Frequency (MHz) <table><tr><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 2480.00</td><td>94.57</td><td>-----</td><td>-----</td><td>86.34</td><td>32.46</td><td>7.87</td><td>32.10</td><td>392</td><td>229</td><td>PEAK</td></tr><tr><td>2 2480.00</td><td>69.78</td><td>-----</td><td>-----</td><td>61.55</td><td>32.46</td><td>7.87</td><td>32.10</td><td>392</td><td>229</td><td>AVERAGE</td></tr></table>					Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Freq	Level	Line	Level	Factor	Loss	Factor	Remark	MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1 2480.00	94.57	-----	-----	86.34	32.46	7.87	32.10	392	229	PEAK	2 2480.00	69.78	-----	-----	61.55	32.46	7.87	32.10	392	229	AVERAGE
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Peak	Level (dBuV/m) Date: 2024-01-10 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2490.15</td><td>48.93</td><td>74.00</td><td>-25.07</td><td>40.67</td><td>32.48</td><td>7.88</td><td>32.10</td><td>100 340 PEAK</td></tr><tr><td>2</td><td>2490.15</td><td>24.14</td><td>54.00</td><td>-29.86</td><td>15.88</td><td>32.48</td><td>7.88</td><td>32.10</td><td>100 340 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2490.15	48.93	74.00	-25.07	40.67	32.48	7.88	32.10	100 340 PEAK	2	2490.15	24.14	54.00	-29.86	15.88	32.48	7.88	32.10	100 340 AVERAGE	Level (dBuV/m) Date: 2024-01-10 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>102.45</td><td>-----</td><td>94.22</td><td>32.46</td><td>7.87</td><td>32.10</td><td>100</td><td>340 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>77.66</td><td>-----</td><td>69.43</td><td>32.46</td><td>7.87</td><td>32.10</td><td>100</td><td>340 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	102.45	-----	94.22	32.46	7.87	32.10	100	340 PEAK	2	2480.00	77.66	-----	69.43	32.46	7.87	32.10	100	340 AVERAGE
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Peak Avg	Level (dBuV/m) Date: 2024-01-11 <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4960.00</td><td>46.79</td><td>74.00</td><td>-27.21</td><td>52.28</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>22.00</td><td>54.00</td><td>-32.00</td><td>27.49</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>47.09</td><td>74.00</td><td>-26.91</td><td>48.93</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>22.29</td><td>54.00</td><td>-31.71</td><td>24.13</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Average</td></tr></table>													Limit		Read		Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			1	4960.00	46.79	74.00	-27.21	52.28	34.88	11.14	51.51	--	--	Peak	2	4960.00	22.00	54.00	-32.00	27.49	34.88	11.14	51.51	--	--	Average	3	7440.00	47.09	74.00	-26.91	48.93	36.38	12.97	51.19	--	--	Peak	4	7440.00	22.29	54.00	-31.71	24.13	36.38	12.97	51.19	--	--	Average
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3	7440.00	47.09	74.00	-26.91	48.93	36.38	12.97	51.19	--	--	Peak																																																																																			
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Note: Only the worst case has assessed 18G ~26GHz to test.



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Level (dBuV/m) Date: 2024-03-05 Frequency (MHz) <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>4804.00</td><td>46.62</td><td>74.00</td><td>-27.38</td><td>52.31</td><td>34.82</td><td>11.07</td><td>51.58</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4804.00</td><td>21.83</td><td>54.00</td><td>-32.17</td><td>27.52</td><td>34.82</td><td>11.07</td><td>51.58</td><td>--</td><td>Average</td></tr></tbody></table>												Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	1	4804.00	46.62	74.00	-27.38	52.31	34.82	11.07	51.58	--	Peak	2	4804.00	21.83	54.00	-32.17	27.52	34.82	11.07	51.58	--	Average	
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	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg																																																				
1	4804.00	46.62	74.00	-27.38	52.31	34.82	11.07	51.58	--	Peak																																																			
2	4804.00	21.83	54.00	-32.17	27.52	34.82	11.07	51.58	--	Average																																																			

Note: Only the worst case has assessed 18G ~26GHz to test.



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QPI/ Peak	Level (dBuV/m) Date: 2024-03-01 FCC CLASS-B -60dB Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>49.40</td><td>18.80</td><td>40.00</td><td>-21.20</td><td>33.91</td><td>14.67</td><td>1.42</td><td>31.20</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>202.66</td><td>18.89</td><td>43.50</td><td>-24.61</td><td>32.01</td><td>15.50</td><td>2.28</td><td>30.90</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>257.95</td><td>23.37</td><td>46.00</td><td>-22.63</td><td>31.84</td><td>19.90</td><td>2.53</td><td>30.90</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>460.68</td><td>23.64</td><td>46.00</td><td>-22.36</td><td>27.84</td><td>23.15</td><td>3.35</td><td>30.70</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>593.57</td><td>26.39</td><td>46.00</td><td>-19.61</td><td>28.74</td><td>24.91</td><td>3.74</td><td>31.00</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>813.76</td><td>29.43</td><td>46.00</td><td>-16.57</td><td>30.02</td><td>26.21</td><td>4.29</td><td>31.09</td><td>--</td><td>--</td><td>Peak</td></tr></table>											Limit	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	49.40	18.80	40.00	-21.20	33.91	14.67	1.42	31.20	--	--	Peak	2	202.66	18.89	43.50	-24.61	32.01	15.50	2.28	30.90	--	--	Peak	3	257.95	23.37	46.00	-22.63	31.84	19.90	2.53	30.90	--	--	Peak	4	460.68	23.64	46.00	-22.36	27.84	23.15	3.35	30.70	--	--	Peak	5	593.57	26.39	46.00	-19.61	28.74	24.91	3.74	31.00	--	--	Peak	6	813.76	29.43	46.00	-16.57	30.02	26.21	4.29	31.09	--	--	Peak	Level (dBuV/m) Date: 2024-03-01 FCC CLASS-B -60dB Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>30.97</td><td>23.73</td><td>40.00</td><td>-16.27</td><td>29.10</td><td>24.62</td><td>1.21</td><td>31.20</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>170.65</td><td>18.42</td><td>43.50</td><td>-25.08</td><td>31.39</td><td>15.75</td><td>2.30</td><td>31.02</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>251.16</td><td>19.41</td><td>46.00</td><td>-26.59</td><td>28.96</td><td>18.85</td><td>2.50</td><td>30.90</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>392.78</td><td>22.07</td><td>46.00</td><td>-23.93</td><td>28.01</td><td>21.71</td><td>3.06</td><td>30.71</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>624.61</td><td>26.40</td><td>46.00</td><td>-19.60</td><td>28.50</td><td>25.05</td><td>3.80</td><td>30.95</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>811.82</td><td>30.22</td><td>46.00</td><td>-15.78</td><td>30.84</td><td>26.19</td><td>4.28</td><td>31.09</td><td>--</td><td>--</td><td>Peak</td></tr></table>											Limit	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	30.97	23.73	40.00	-16.27	29.10	24.62	1.21	31.20	--	--	Peak	2	170.65	18.42	43.50	-25.08	31.39	15.75	2.30	31.02	--	--	Peak	3	251.16	19.41	46.00	-26.59	28.96	18.85	2.50	30.90	--	--	Peak	4	392.78	22.07	46.00	-23.93	28.01	21.71	3.06	30.71	--	--	Peak	5	624.61	26.40	46.00	-19.60	28.50	25.05	3.80	30.95	--	--	Peak	6	811.82	30.22	46.00	-15.78	30.84	26.19	4.28	31.09	--	--	Peak
		Limit	Read	Ant	Cable	Preamp	APos	TPos	Remark																																																																																																																																																																																																																							
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	1	49.40	18.80	40.00	-21.20	33.91	14.67	1.42	31.20	--	--	Peak																																																																																																																																																																																																																				
	2	202.66	18.89	43.50	-24.61	32.01	15.50	2.28	30.90	--	--	Peak																																																																																																																																																																																																																				
	3	257.95	23.37	46.00	-22.63	31.84	19.90	2.53	30.90	--	--	Peak																																																																																																																																																																																																																				
	4	460.68	23.64	46.00	-22.36	27.84	23.15	3.35	30.70	--	--	Peak																																																																																																																																																																																																																				
	5	593.57	26.39	46.00	-19.61	28.74	24.91	3.74	31.00	--	--	Peak																																																																																																																																																																																																																				
	6	813.76	29.43	46.00	-16.57	30.02	26.21	4.29	31.09	--	--	Peak																																																																																																																																																																																																																				
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2	170.65	18.42	43.50	-25.08	31.39	15.75	2.30	31.02	--	--	Peak																																																																																																																																																																																																																					
3	251.16	19.41	46.00	-26.59	28.96	18.85	2.50	30.90	--	--	Peak																																																																																																																																																																																																																					
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5	624.61	26.40	46.00	-19.60	28.50	25.05	3.80	30.95	--	--	Peak																																																																																																																																																																																																																					
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3	7323.00	48.49	74.00	-25.51	50.24	36.33	13.09	51.17	--	--	Peak																																																																																																																																																											
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Peak	Level (dBuV/m) Date: 2024-03-01 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2486.67</td><td>50.23</td><td>74.00</td><td>-23.77</td><td>41.98</td><td>32.47</td><td>7.88</td><td>32.10</td><td>368</td><td>66 PEAK</td></tr><tr><td>2</td><td>2486.67</td><td>25.44</td><td>54.00</td><td>-28.56</td><td>17.19</td><td>32.47</td><td>7.88</td><td>32.10</td><td>368</td><td>66 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2486.67	50.23	74.00	-23.77	41.98	32.47	7.88	32.10	368	66 PEAK	2	2486.67	25.44	54.00	-28.56	17.19	32.47	7.88	32.10	368	66 AVERAGE	Level (dBuV/m) Date: 2024-03-01 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>98.16</td><td>-----</td><td>89.93</td><td>32.46</td><td>7.87</td><td>32.10</td><td>368</td><td>66 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>73.37</td><td>-----</td><td>65.14</td><td>32.46</td><td>7.87</td><td>32.10</td><td>368</td><td>66 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	98.16	-----	89.93	32.46	7.87	32.10	368	66 PEAK	2	2480.00	73.37	-----	65.14	32.46	7.87	32.10	368	66 AVERAGE
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Pol.	Vertical	Fundamental																																																																																																				
Peak	Level (dBuV/m) Date: 2024-03-01 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.72</td><td>50.45</td><td>74.00</td><td>-23.55</td><td>42.21</td><td>32.46</td><td>7.88</td><td>32.10</td><td>306 85 PEAK</td></tr><tr><td>2</td><td>2483.72</td><td>25.66</td><td>54.00</td><td>-28.34</td><td>17.42</td><td>32.46</td><td>7.88</td><td>32.10</td><td>306 85 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2483.72	50.45	74.00	-23.55	42.21	32.46	7.88	32.10	306 85 PEAK	2	2483.72	25.66	54.00	-28.34	17.42	32.46	7.88	32.10	306 85 AVERAGE	Level (dBuV/m) Date: 2024-03-01 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>105.11</td><td>-----</td><td>96.88</td><td>32.46</td><td>7.87</td><td>32.10</td><td>306</td><td>85 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>80.32</td><td>-----</td><td>72.09</td><td>32.46</td><td>7.87</td><td>32.10</td><td>306</td><td>85 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	105.11	-----	96.88	32.46	7.87	32.10	306	85 PEAK	2	2480.00	80.32	-----	72.09	32.46	7.87	32.10	306	85 AVERAGE
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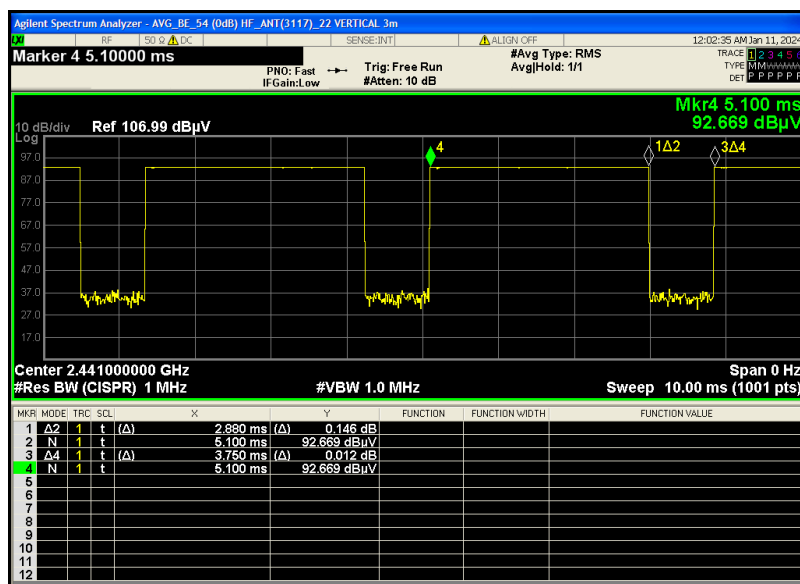


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Peak Avg	Level (dBuV/m) Date: 2024-03-05 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4960.00</td><td>46.02</td><td>74.00</td><td>-27.98</td><td>51.51</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>21.23</td><td>54.00</td><td>-32.77</td><td>26.72</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>49.19</td><td>74.00</td><td>-24.81</td><td>51.03</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>24.40</td><td>54.00</td><td>-29.60</td><td>26.24</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	4960.00	46.02	74.00	-27.98	51.51	34.88	11.14	51.51	--	--	Peak	2	4960.00	21.23	54.00	-32.77	26.72	34.88	11.14	51.51	--	--	Average	3	7440.00	49.19	74.00	-24.81	51.03	36.38	12.97	51.19	--	--	Peak	4	7440.00	24.40	54.00	-29.60	26.24	36.38	12.97	51.19	--	--	Average	Level (dBuV/m) Date: 2024-03-05 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4960.00</td><td>46.79</td><td>74.00</td><td>-27.21</td><td>52.28</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>22.00</td><td>54.00</td><td>-32.00</td><td>27.49</td><td>34.88</td><td>11.14</td><td>51.51</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>49.70</td><td>74.00</td><td>-24.30</td><td>51.54</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>24.91</td><td>54.00</td><td>-29.09</td><td>26.75</td><td>36.38</td><td>12.97</td><td>51.19</td><td>--</td><td>--</td><td>Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	4960.00	46.79	74.00	-27.21	52.28	34.88	11.14	51.51	--	--	Peak	2	4960.00	22.00	54.00	-32.00	27.49	34.88	11.14	51.51	--	--	Average	3	7440.00	49.70	74.00	-24.30	51.54	36.38	12.97	51.19	--	--	Peak	4	7440.00	24.91	54.00	-29.09	26.75	36.38	12.97	51.19	--	--	Average
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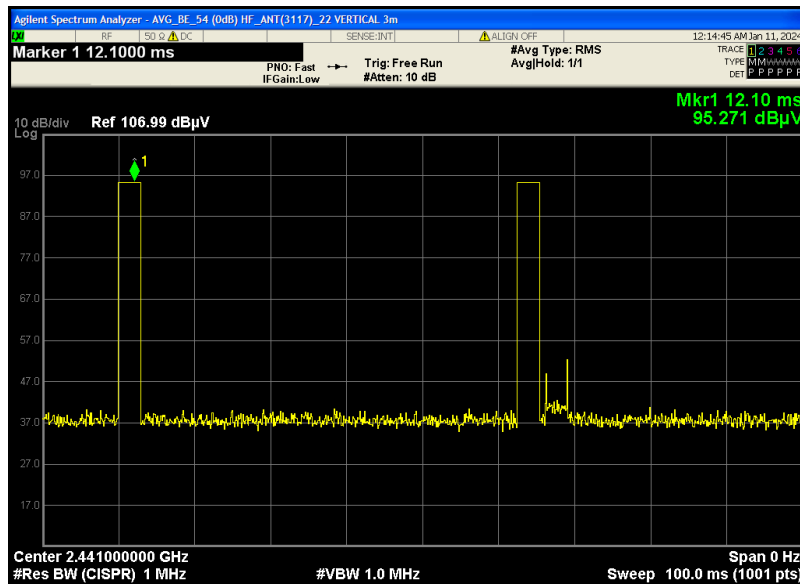
Appendix D. Duty Cycle Plots

<Ant.1>

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39

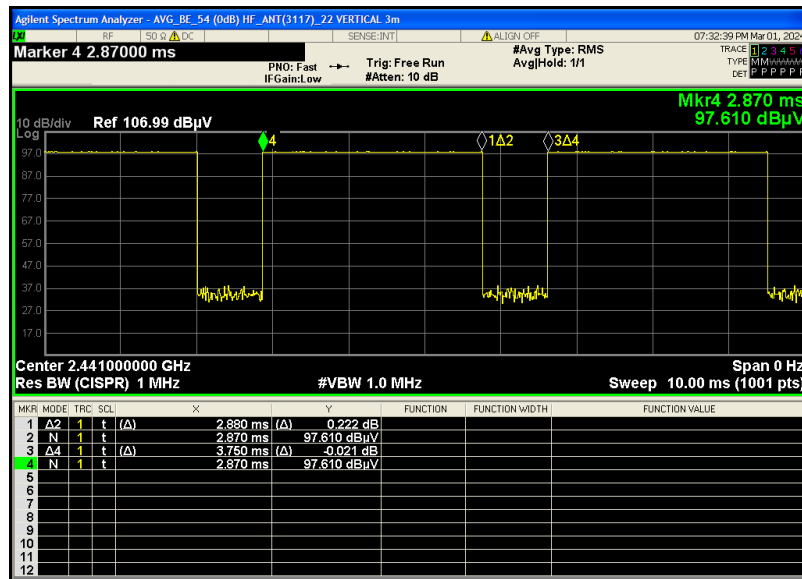


Note:

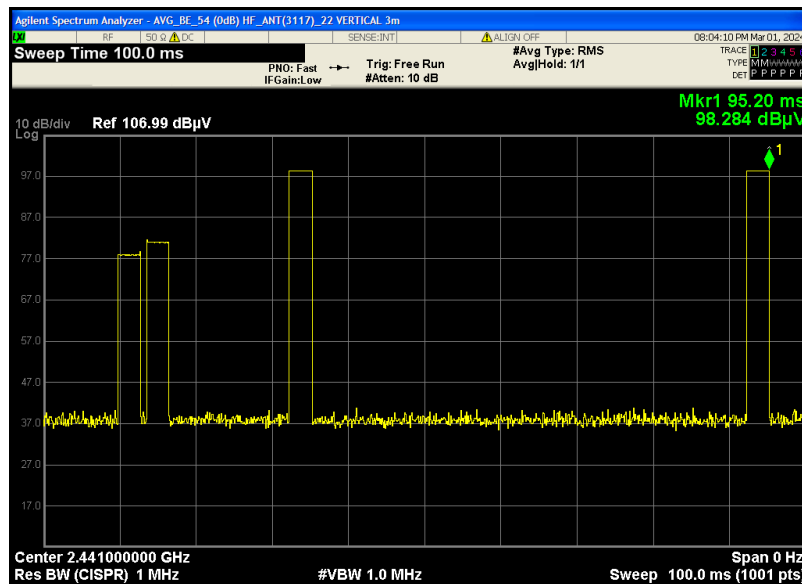
1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

<Ant.2>

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.