



LoRa 500KHz DTS SF=7 (Band Edge @ 3m)

LoRa	902.5~926.5 Band Edge @ 3m																																																																																																														
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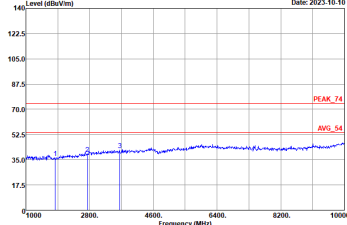
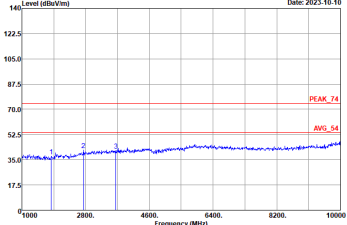
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LoRa	902.5~926.5 Harmonic @ 3m																																																																																																																											
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Peak	Date: 1 Level (dBuV/m) Date: 2023.10.10 PEAK_74 AVG_34 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1853.00</td><td>36.81</td><td>-37.19</td><td>74.00</td><td>68.83</td><td>29.78</td><td>4.25</td><td>57.97</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2779.50</td><td>39.16</td><td>-34.84</td><td>74.00</td><td>59.66</td><td>31.67</td><td>5.28</td><td>57.45</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>5706.00</td><td>41.95</td><td>-32.95</td><td>74.00</td><td>59.01</td><td>32.89</td><td>6.17</td><td>57.82</td><td>---</td><td>---</td><td>Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	1853.00	36.81	-37.19	74.00	68.83	29.78	4.25	57.97	---	---	Peak	2	2779.50	39.16	-34.84	74.00	59.66	31.67	5.28	57.45	---	---	Peak	3	5706.00	41.95	-32.95	74.00	59.01	32.89	6.17	57.82	---	---	Peak	Date: 2 Level (dBuV/m) Date: 2023.10.10 PEAK_74 AVG_34 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1853.00</td><td>36.96</td><td>-37.04</td><td>74.00</td><td>68.98</td><td>29.78</td><td>4.25</td><td>57.97</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2779.50</td><td>43.46</td><td>-30.54</td><td>74.00</td><td>63.96</td><td>31.67</td><td>5.28</td><td>57.45</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>5706.00</td><td>48.93</td><td>-35.07</td><td>74.00</td><td>58.89</td><td>32.89</td><td>6.17</td><td>57.82</td><td>---</td><td>---</td><td>Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	1	1853.00	36.96	-37.04	74.00	68.98	29.78	4.25	57.97	---	---	Peak	2	2779.50	43.46	-30.54	74.00	63.96	31.67	5.28	57.45	---	---	Peak	3	5706.00	48.93	-35.07	74.00	58.89	32.89	6.17	57.82	---	---	Peak
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LoRa 500KHz DTS SF=11 (Band Edge @ 3m)

LoRa	903.3~926.5 Band Edge @ 3m																																																																																																															
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Peak	Date: 5 Level (dBuV/m) Date: 2023-11-17 Frequency (MHz) <table><thead><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr></thead><tbody><tr><td>1</td><td>903.23</td><td>51.99</td><td>-9.12</td><td>138.00</td><td>119.85</td><td>29.56</td><td>3.16</td><td>30.89</td><td>125</td><td>52 Peak</td></tr><tr><td>2</td><td>903.38</td><td>120.88</td><td>-9.12</td><td>138.00</td><td>119.85</td><td>29.56</td><td>3.16</td><td>30.89</td><td>125</td><td>52 Peak</td></tr><tr><td>3</td><td>942.77</td><td>53.48</td><td>-9.12</td><td>138.00</td><td>119.85</td><td>29.56</td><td>3.16</td><td>30.89</td><td>125</td><td>52 Peak</td></tr></tbody></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)		1	903.23	51.99	-9.12	138.00	119.85	29.56	3.16	30.89	125	52 Peak	2	903.38	120.88	-9.12	138.00	119.85	29.56	3.16	30.89	125	52 Peak	3	942.77	53.48	-9.12	138.00	119.85	29.56	3.16	30.89	125	52 Peak	Date: 6 Level (dBuV/m) Date: 2023-11-17 Frequency (MHz) <table><thead><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr></thead><tbody><tr><td>1</td><td>903.23</td><td>46.54</td><td>-17.54</td><td>138.00</td><td>118.63</td><td>29.56</td><td>3.16</td><td>30.89</td><td>100</td><td>32 Peak</td></tr><tr><td>2</td><td>903.38</td><td>112.46</td><td>-17.54</td><td>138.00</td><td>118.63</td><td>29.56</td><td>3.16</td><td>30.89</td><td>100</td><td>32 Peak</td></tr><tr><td>3</td><td>943.74</td><td>47.49</td><td>-17.54</td><td>138.00</td><td>118.63</td><td>29.56</td><td>3.16</td><td>30.89</td><td>100</td><td>32 Peak</td></tr></tbody></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)		1	903.23	46.54	-17.54	138.00	118.63	29.56	3.16	30.89	100	32 Peak	2	903.38	112.46	-17.54	138.00	118.63	29.56	3.16	30.89	100	32 Peak	3	943.74	47.49	-17.54	138.00	118.63	29.56	3.16	30.89	100	32 Peak
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LoRa 500KHz DTS SF=11 (Harmonic @ 3m)

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OFDM-LR (Band Edge @ 3m)

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OFDM-LR (Harmonic @ 3m)

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Peak	Date: 1 Date: 2023-10-11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg Remark <table><tr><td>1</td><td>1853.00</td><td>36.50</td><td>-37.50</td><td>74.00</td><td>60.52</td><td>29.70</td><td>4.25</td><td>57.97</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2779.50</td><td>41.07</td><td>-32.13</td><td>74.00</td><td>62.37</td><td>31.67</td><td>5.20</td><td>57.45</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>5706.00</td><td>40.71</td><td>-33.29</td><td>74.00</td><td>58.67</td><td>32.89</td><td>6.17</td><td>57.82</td><td>---</td><td>---</td><td>Peak</td></tr></table>	1	1853.00	36.50	-37.50	74.00	60.52	29.70	4.25	57.97	---	---	Peak	2	2779.50	41.07	-32.13	74.00	62.37	31.67	5.20	57.45	---	---	Peak	3	5706.00	40.71	-33.29	74.00	58.67	32.89	6.17	57.82	---	---	Peak	Date: 2 Date: 2023-10-11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg Remark <table><tr><td>1</td><td>1853.00</td><td>36.12</td><td>-37.80</td><td>74.00</td><td>60.14</td><td>29.70</td><td>4.25</td><td>57.97</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2779.50</td><td>42.53</td><td>-31.47</td><td>74.00</td><td>63.03</td><td>31.67</td><td>5.20</td><td>57.45</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>5706.00</td><td>41.60</td><td>-32.40</td><td>74.00</td><td>59.56</td><td>32.89</td><td>6.17</td><td>57.82</td><td>---</td><td>---</td><td>Peak</td></tr></table>	1	1853.00	36.12	-37.80	74.00	60.14	29.70	4.25	57.97	---	---	Peak	2	2779.50	42.53	-31.47	74.00	63.03	31.67	5.20	57.45	---	---	Peak	3	5706.00	41.60	-32.40	74.00	59.56	32.89	6.17	57.82	---	---	Peak
1	1853.00	36.50	-37.50	74.00	60.52	29.70	4.25	57.97	---	---	Peak																																																															
2	2779.50	41.07	-32.13	74.00	62.37	31.67	5.20	57.45	---	---	Peak																																																															
3	5706.00	40.71	-33.29	74.00	58.67	32.89	6.17	57.82	---	---	Peak																																																															
1	1853.00	36.12	-37.80	74.00	60.14	29.70	4.25	57.97	---	---	Peak																																																															
2	2779.50	42.53	-31.47	74.00	63.03	31.67	5.20	57.45	---	---	Peak																																																															
3	5706.00	41.60	-32.40	74.00	59.56	32.89	6.17	57.82	---	---	Peak																																																															



<Co-location modes>:

Mode 1 802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16

802.11ax20 CH01 (Band Edge @ 3m)

		2.4GHz 2400~2483.5MHz Band Edge @ 3m	
		802.11ax20 CH01 &BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16	
		Co-location	
		Horizontal	Fundamental
Peak		Date: 1 Level (dBuV/m) <	

[illegible]

BLE 1M CH00 (Band Edge @ 3m)

Zigbee CH19 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Peak

Date: 1

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

2310

2338

2366

2394

2422

2450

Over Limit

ReadAntenna

Cable Preamp

A/Poss

T/Poss

Level

Line

Level Factor

Loss Factor

cm

deg

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

cm

deg

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2388.42

-25.15

74.00

48.38

30.63

4.77

34.85

261

243

Peak

Fundamental

Date: 3

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

1000

1400

1800

2200

2600

3000

Over Limit

ReadAntenna

Cable Preamp

A/Poss

T/Poss

Level

Line

Level Factor

Loss Factor

cm

deg

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

cm

deg

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1 *

2445.00

104.57

30.57

74.00

103.83

30.70

4.86

34.82

261

243

Peak

Avg.

Date: 2

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

2310

2338

2366

2394

2422

2450

Over Limit

ReadAntenna

Cable Preamp

A/Poss

T/Poss

Level

Line

Level Factor

Loss Factor

cm

deg

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

cm

deg

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2389.00

-15.08

54.00

38.35

30.68

4.81

34.84

261

243

Average

Fundamental

Date: 4

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

1000

1400

1800

2200

2600

3000

Over Limit

ReadAntenna

Cable Preamp

A/Poss

T/Poss

Level

Line

Level Factor

Loss Factor

cm

deg

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

cm

deg

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1 *

2445.00

182.69

48.69

54.00

181.95

30.70

4.86

34.82

261

243

Average

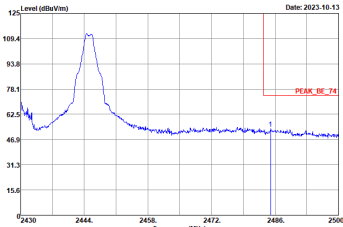
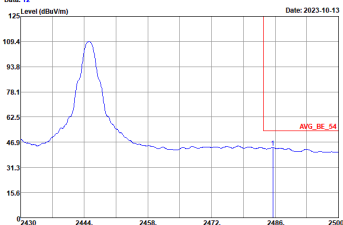


	2.4GHz 2400~2483.5MHz Band Edge @ 3m		
	802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16		
	Co-location		
	Horizontal	Fundamental	
Peak	Date: 5 Level (dBuV/m) 120 109.4 93.8 78.9 62.5 46.9 31.3 15.6 2430 2444 2458 2472 2486 2500 Frequency (MHz) 1 2486.49 52.16 -21.94 74.00 51.22 30.83 4.92 34.81 261 243 Peak 1 2486.49 52.16 -21.94 74.00 51.22 30.83 4.92 34.81 261 243 Peak <tr><td>Avg.</td><td> Date: 6 Level (dBuV/m) 120 109.4 93.8 78.9 62.5 46.9 31.3 15.6 2430 2444 2458 2472 2486 2500 Frequency (MHz) 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average </td></tr>	Avg.	Date: 6 Level (dBuV/m) 120 109.4 93.8 78.9 62.5 46.9 31.3 15.6 2430 2444 2458 2472 2486 2500 Frequency (MHz) 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average
Avg.	Date: 6 Level (dBuV/m) 120 109.4 93.8 78.9 62.5 46.9 31.3 15.6 2430 2444 2458 2472 2486 2500 Frequency (MHz) 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average 1 2487.05 39.62 -14.38 54.00 38.68 30.83 4.92 34.81 261 243 Average		



2.4GHz 2400~2483.5MHz Band Edge @ 3m			
802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16			
Co-location			
	Vertical	Fundamental	
Peak	Date: 7 Level (dBuV/m) </		



	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																	
	802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16																																	
	Co-location																																	
	Vertical	Fundamental																																
Peak	Date: 11 Level (dBuV/m)  Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2485.82</td><td>53.46</td><td>-28.54</td><td>74.00</td><td>52.52</td><td>38.83</td><td>4.92 34.81 117 63 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	1	2485.82	53.46	-28.54	74.00	52.52	38.83	4.92 34.81 117 63 Peak	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Limit	Level	Factor	Loss	Factor																												
MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg																											
1	2485.82	53.46	-28.54	74.00	52.52	38.83	4.92 34.81 117 63 Peak																											
Avg.	Date: 12 Level (dBuV/m)  Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2485.51</td><td>43.59</td><td>-18.41</td><td>54.00</td><td>42.65</td><td>38.83</td><td>4.92 34.81 117 63 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg	1	2485.51	43.59	-18.41	54.00	42.65	38.83	4.92 34.81 117 63 Average	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Limit	Level	Factor	Loss	Factor																												
MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg																											
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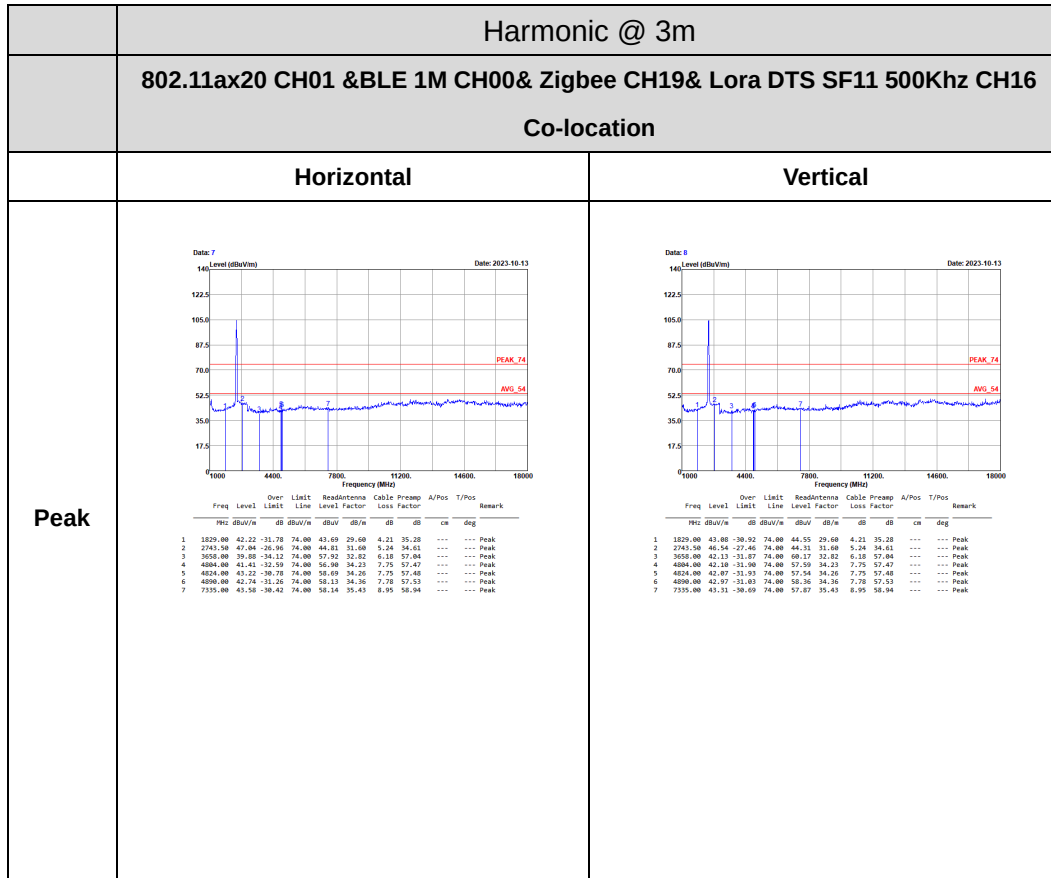
Lora DTS SF11 500Khz CH_16 (Band Edge @ 3m)

	902.5~926.5 Band Edge @ 3m																																																																																																															
	802.11ax20 CH01 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16																																																																																																															
	Co-location																																																																																																															
	Horizontal	Vertical																																																																																																														
Peak	Date: 1 Date: 2023-10-13 Level (dBuV/m) Frequency (MHz) <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>874.87</td><td>51.31</td><td>-----</td><td>53.77</td><td>28.72</td><td>3.12</td><td>34.38</td><td>100</td><td>33</td><td>Peak</td></tr><tr><td>2</td><td>914.64</td><td>115.74</td><td>-14.26</td><td>130.00</td><td>117.90</td><td>28.96</td><td>3.18</td><td>34.38</td><td>100</td><td>33 Peak</td></tr><tr><td>3</td><td>954.41</td><td>47.47</td><td>-----</td><td>48.78</td><td>29.79</td><td>3.27</td><td>34.29</td><td>100</td><td>33</td><td>Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)		1	874.87	51.31	-----	53.77	28.72	3.12	34.38	100	33	Peak	2	914.64	115.74	-14.26	130.00	117.90	28.96	3.18	34.38	100	33 Peak	3	954.41	47.47	-----	48.78	29.79	3.27	34.29	100	33	Peak	Date: 2 Date: 2023-10-13 Level (dBuV/m) Frequency (MHz) <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>874.87</td><td>55.02</td><td>-----</td><td>57.48</td><td>28.72</td><td>3.12</td><td>34.38</td><td>100</td><td>25</td><td>Peak</td></tr><tr><td>2</td><td>914.64</td><td>117.61</td><td>-12.39</td><td>130.00</td><td>119.77</td><td>28.96</td><td>3.18</td><td>34.38</td><td>100</td><td>25 Peak</td></tr><tr><td>3</td><td>954.41</td><td>52.36</td><td>-----</td><td>53.59</td><td>29.79</td><td>3.27</td><td>34.29</td><td>100</td><td>25</td><td>Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)		1	874.87	55.02	-----	57.48	28.72	3.12	34.38	100	25	Peak	2	914.64	117.61	-12.39	130.00	119.77	28.96	3.18	34.38	100	25 Peak	3	954.41	52.36	-----	53.59	29.79	3.27	34.29	100	25	Peak
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																						
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)																																																																																																							
1	874.87	51.31	-----	53.77	28.72	3.12	34.38	100	33	Peak																																																																																																						
2	914.64	115.74	-14.26	130.00	117.90	28.96	3.18	34.38	100	33 Peak																																																																																																						
3	954.41	47.47	-----	48.78	29.79	3.27	34.29	100	33	Peak																																																																																																						
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	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)																																																																																																							
1	874.87	55.02	-----	57.48	28.72	3.12	34.38	100	25	Peak																																																																																																						
2	914.64	117.61	-12.39	130.00	119.77	28.96	3.18	34.38	100	25 Peak																																																																																																						
3	954.41	52.36	-----	53.59	29.79	3.27	34.29	100	25	Peak																																																																																																						



802.11ax20 CH01 & BLE 1M CH00 & Zigbee CH19 & Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)





Mode 2 802.11b CH01 & BLE 1M CH18 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

802.11b CH01 (Band Edge @ 3m)

	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH01 & BLE 1M CH18 & Zigbee CH25 & Lora DTS SF11 500Khz CH16	
	Co-location	
	Horizontal	Fundamental
Peak	Data: 1 Level (dBuV/m) Date: 2023-10-13 1 2331.42 49.75 -24.25 74.00 49.16 30.73 4.73 34.87 305 4 Peak	Data: 3 Level (dBuV/m) Date: 2023-10-13 1 * 2412.00 99.68 25.68 74.00 99.87 30.63 4.81 34.83 305 4 Peak
Avg.	Data: 2 Level (dBuV/m) Date: 2023-10-13 1 2386.13 41.11 -12.89 54.00 40.54 30.68 4.81 34.84 305 4 Average	Data: 4 Level (dBuV/m) Date: 2023-10-13 1 * 2412.00 96.68 42.68 54.00 96.87 30.63 4.81 34.83 305 4 Peak



2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																					
802.11b CH01 & BLE 1M CH18& Zigbee CH25& Lora DTS SF11 500Khz CH16																																																																																																																																					
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MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																															
1	2498.53	49.22	-24.78	74.00	48.28	38.98	4.92	34.88	236	38	Peak																											
Avg.	Date: 6 Level (dBuV/m) Date: 2023-10-13 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2466.21</td><td>38.87</td><td>-15.13</td><td>54.00</td><td>37.93</td><td>38.93</td><td>4.92</td><td>34.81</td><td>236</td><td>38</td><td>Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level Factor	Loss Factor			MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2466.21	38.87	-15.13	54.00	37.93	38.93	4.92	34.81	236	38	Average	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																															
Freq	Level	Limit	Line	Level Factor	Loss Factor																																	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																															
1	2466.21	38.87	-15.13	54.00	37.93	38.93	4.92	34.81	236	38	Average																											

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	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																	
	802.11b CH01 &BLE 1M CH18& Zigbee CH25& Lora DTS SF11 500Khz CH16																																	
	Co-location																																	
	Vertical	Fundamental																																
Peak	Date: 11 Level (dBuV/m) Date: 2023-10-13 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.55</td><td>58.77</td><td>-23.23</td><td>74.00</td><td>49.83</td><td>38.83</td><td>4.92 34.81 176 305 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2483.55	58.77	-23.23	74.00	49.83	38.83	4.92 34.81 176 305 Peak	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Line	Level Factor	Loss Factor																														
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																											
1	2483.55	58.77	-23.23	74.00	49.83	38.83	4.92 34.81 176 305 Peak																											
Avg.	Date: 12 Level (dBuV/m) Date: 2023-10-13 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.58</td><td>42.35</td><td>-11.65</td><td>54.00</td><td>41.41</td><td>38.83</td><td>4.92 34.81 176 305 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2483.58	42.35	-11.65	54.00	41.41	38.83	4.92 34.81 176 305 Average	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Line	Level Factor	Loss Factor																														
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																											
1	2483.58	42.35	-11.65	54.00	41.41	38.83	4.92 34.81 176 305 Average																											

Zigbee CH25 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11b CH01 &BLE 1M CH18& Zigbee CH25& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Date: 3

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

0

2460

2468

2476

2484

2492

2500

Frequency (MHz)

1

2487.48

49.72

-24.28

74.00

48.78

30.83

4.92

34.81

185

47

Peak

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

dB

dB

cm

deg

Fundamental

Date: 1

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

0

1300

1400

1800

2200

2600

3000

Frequency (MHz)

1

2475.00

93.41

19.41

74.00

92.47

30.83

4.92

34.81

185

47

Peak

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

dB

dB

cm

deg

Peak

Avg.

Horizontal

Date: 4

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

0

2460

2468

2476

2484

2492

2500

Frequency (MHz)

1

2483.52

37.95

-16.05

54.00

37.81

30.83

4.92

34.81

185

47

Average

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

dB

dB

cm

deg

Fundamental

Date: 2

Date: 2023-10-13

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

0

1300

1400

1800

2200

2600

3000

Frequency (MHz)

1

2475.00

91.63

37.63

54.00

90.69

30.83

4.92

34.81

185

47

Peak

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

dB

dB

cm

deg

Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

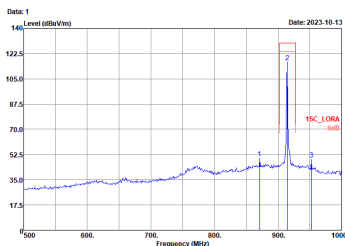
902.5~926.5 Band Edge @ 3m

802.11b CH01 & BLE 1M CH18 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Data: 1
Level (dBuV/m)
Date: 2023-10-13



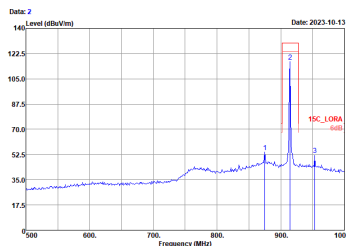
Frequency (MHz)

TSC_LORA (dB)

Peak	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg
1	879.99	49.89	-----	52.34	28.73	3.12	34.38	100	56 Peak
2	915.99	115.99	>13.00	130.00	115.86	26.96	3.18	34.38	100
3	952.47	49.38	-----	50.54	29.78	3.27	34.29	100	56 Peak

Vertical

Data: 2
Level (dBuV/m)
Date: 2023-10-13



Frequency (MHz)

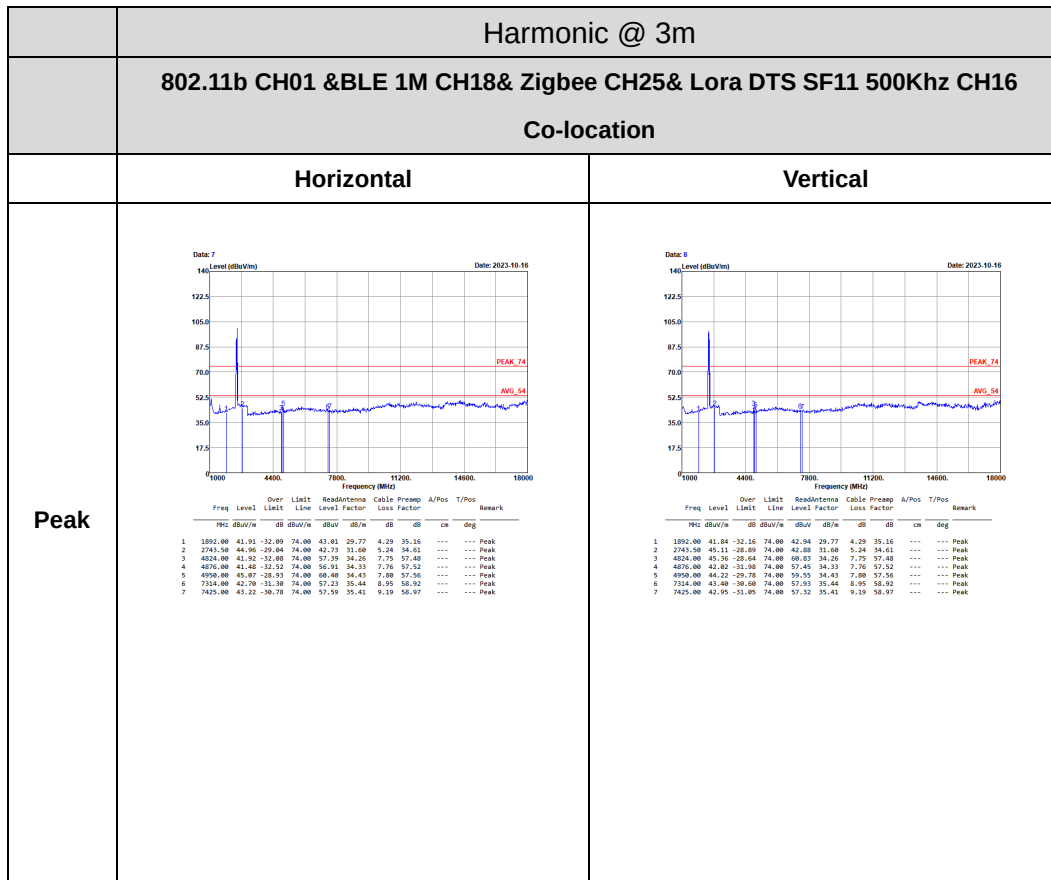
TSC_LORA (dB)

Peak	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg
1	874.87	54.48	-----	56.86	28.72	3.12	34.38	100	85 Peak
2	915.99	115.99	>13.00	130.00	115.15	26.96	3.18	34.38	100
3	953.44	52.88	-----	53.32	29.78	3.27	34.29	100	85 Peak



802.11b CH01 & BLE 1M CH18 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)



Mode 3 802.11b CH03 & BLE 1M CH29 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

802.11b CH03 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11b CH03 &BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Peak

Date: 1

Level (dBuV/m)

Date: 2023-10-14

Frequency (MHz)

Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg	
1	2383.92	51.58	-22.42	74.00	51.03	30.63	4.77 34.85 351 357 Peak

Fundamental

Peak

Date: 3

Level (dBuV/m)

Date: 2023-10-14

Frequency (MHz)

Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg	
1 *	2422.00	106.17	32.17	74.00	105.52	30.67	4.81 34.83 351 357 Peak

Avg.

Date: 2

Level (dBuV/m)

Date: 2023-10-14

Frequency (MHz)

Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg	
1	2383.92	42.70	-11.30	54.00	42.15	30.63	4.77 34.85 351 357 Average

Avg.

Date: 4

Level (dBuV/m)

Date: 2023-10-14

Frequency (MHz)

Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg	
1 *	2422.00	105.17	49.17	54.00	102.52	30.67	4.81 34.83 351 357 Average



	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11b CH03 &BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16	
	Co-location	
	Horizontal	Fundamental
Peak	Date: 5 Level (dBuV/m)	



		2.4GHz 2400~2483.5MHz Band Edge @ 3m	
		802.11b CH03 & BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16	
		Co-location	
		Vertical	Fundamental
Peak		Date: 7 Level (dBuV/m) </	



	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																	
	802.11b CH03 & BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16																																	
	Co-location																																	
	Vertical	Fundamental																																
Peak	Date: 11 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.76</td><td>58.90</td><td>-23.18</td><td>74.00</td><td>49.96</td><td>30.83</td><td>4.92 34.81 182 314 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level Factor	Loss Factor			MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2483.76	58.90	-23.18	74.00	49.96	30.83	4.92 34.81 182 314 Peak	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Limit	Line	Level Factor	Loss Factor																													
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																											
1	2483.76	58.90	-23.18	74.00	49.96	30.83	4.92 34.81 182 314 Peak																											
Avg.	Date: 12 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.58</td><td>41.79</td><td>-12.21</td><td>54.00</td><td>40.85</td><td>30.83</td><td>4.92 34.81 182 314 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level Factor	Loss Factor			MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2483.58	41.79	-12.21	54.00	40.85	30.83	4.92 34.81 182 314 Average	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Limit	Line	Level Factor	Loss Factor																													
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg																											
1	2483.58	41.79	-12.21	54.00	40.85	30.83	4.92 34.81 182 314 Average																											

Zigbee CH25 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11b CH03 & BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Peak

1

2499.24

49.71

-24.29

74.00

48.69

30.90

4.92

34.00

393

312

Peak

2476

80.0

74

1

2499.24

49.71

-24.29

74.00

48.69

30.90

4.92

34.00

393

312

Peak

2476

80.0

74

1

2499.24

49.71

-24.29

74.00

48.69

30.90

4.92

34.00

393

312

Peak

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-24.29

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Peak

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2499.24

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34.00

393

312

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2476

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2499.24

49.71

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34.00

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2499.24

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-24.29

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Peak

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74

1

2499.24

4

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11b CH03 & BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16

Co-location

Vertical

Peak

1

2484.04

56.59

-17.41

74.00

55.65

30.83

4.92

34.81

124

75

Peak

Fundamental

1

2475.00

109.46

35.46

74.00

108.52

30.83

4.92

34.81

124

75

Peak

Vertical

Avg.

1

2483.52

47.55

-6.45

54.00

46.61

30.83

4.92

34.81

124

75

Average

Fundamental

1

2475.00

107.49

53.49

54.00

106.55

30.83

4.92

34.81

124

75

Average



Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

	902.5~926.5 Band Edge @ 3m																																																																																																														
	802.11b CH03 &BLE 1M CH29& Zigbee CH25& Lora DTS SF11 500Khz CH16																																																																																																														
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	Horizontal	Vertical																																																																																																													
Peak	Date: 1 Date: 2023-10-14 Level (dBuV/m) Frequency (MHz) <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>874.87</td><td>49.15</td><td>-----</td><td>51.61</td><td>28.72</td><td>3.12</td><td>34.38</td><td>100</td><td></td><td>53 Peak</td></tr><tr><td>2</td><td>914.59</td><td>114.49</td><td>-15.51</td><td>130.00</td><td>116.65</td><td>28.96</td><td>3.18</td><td>34.38</td><td>100</td><td>53 Peak</td></tr><tr><td>3</td><td>954.41</td><td>48.59</td><td>-----</td><td>49.82</td><td>29.79</td><td>3.27</td><td>34.29</td><td>100</td><td></td><td>53 Peak</td></tr></table> Date: 2 Date: 2023-10-14 Level (dBuV/m) Frequency (MHz) <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>874.87</td><td>53.98</td><td>-----</td><td>56.42</td><td>28.72</td><td>3.12</td><td>34.38</td><td>100</td><td></td><td>76 Peak</td></tr><tr><td>2</td><td>914.59</td><td>115.55</td><td>-14.45</td><td>130.00</td><td>117.71</td><td>28.96</td><td>3.18</td><td>34.38</td><td>100</td><td>76 Peak</td></tr><tr><td>3</td><td>954.41</td><td>51.87</td><td>-----</td><td>53.18</td><td>29.79</td><td>3.27</td><td>34.29</td><td>100</td><td></td><td>76 Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)		1	874.87	49.15	-----	51.61	28.72	3.12	34.38	100		53 Peak	2	914.59	114.49	-15.51	130.00	116.65	28.96	3.18	34.38	100	53 Peak	3	954.41	48.59	-----	49.82	29.79	3.27	34.29	100		53 Peak	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)		1	874.87	53.98	-----	56.42	28.72	3.12	34.38	100		76 Peak	2	914.59	115.55	-14.45	130.00	117.71	28.96	3.18	34.38	100	76 Peak	3	954.41	51.87	-----	53.18	29.79	3.27	34.29	100		76 Peak
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																					
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802.11b CH03 & BLE 1M CH29 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)

	(Harmonic @ 3m)																																																																																																																																																																																																																																																			
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Peak	Date: 7 Date: 2023-10-14 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><td>1</td><td>1829.00</td><td>45.98</td><td>-28.82</td><td>74.00</td><td>47.45</td><td>29.68</td><td>4.21</td><td>35.28</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2743.50</td><td>49.71</td><td>-24.29</td><td>74.00</td><td>47.48</td><td>31.68</td><td>5.24</td><td>34.61</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>4044.00</td><td>54.22</td><td>-19.78</td><td>74.00</td><td>69.67</td><td>34.28</td><td>7.76</td><td>57.49</td><td>121</td><td>22 Peak</td></tr><tr><td>4</td><td>4044.00</td><td>58.05</td><td>-15.55</td><td>74.00</td><td>66.38</td><td>34.28</td><td>7.76</td><td>57.49</td><td>121</td><td>22 Average</td></tr><tr><td>5</td><td>4920.00</td><td>41.54</td><td>-22.40</td><td>74.00</td><td>56.89</td><td>34.40</td><td>7.80</td><td>57.55</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>4950.00</td><td>46.40</td><td>-17.55</td><td>74.00</td><td>61.81</td><td>34.43</td><td>7.80</td><td>57.56</td><td>---</td><td>Peak</td></tr><tr><td>7</td><td>7266.00</td><td>43.37</td><td>-18.63</td><td>74.00</td><td>58.81</td><td>35.44</td><td>8.83</td><td>58.91</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>7380.00</td><td>42.37</td><td>-19.43</td><td>74.00</td><td>56.98</td><td>35.42</td><td>9.20</td><td>58.95</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>7425.00</td><td>43.76</td><td>-18.24</td><td>74.00</td><td>58.13</td><td>35.41</td><td>9.19</td><td>58.97</td><td>---</td><td>Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	Level	Line	Level	Factor	Loss	Factor			1	1829.00	45.98	-28.82	74.00	47.45	29.68	4.21	35.28	---	Peak	2	2743.50	49.71	-24.29	74.00	47.48	31.68	5.24	34.61	---	Peak	3	4044.00	54.22	-19.78	74.00	69.67	34.28	7.76	57.49	121	22 Peak	4	4044.00	58.05	-15.55	74.00	66.38	34.28	7.76	57.49	121	22 Average	5	4920.00	41.54	-22.40	74.00	56.89	34.40	7.80	57.55	---	Peak	6	4950.00	46.40	-17.55	74.00	61.81	34.43	7.80	57.56	---	Peak	7	7266.00	43.37	-18.63	74.00	58.81	35.44	8.83	58.91	---	Peak	8	7380.00	42.37	-19.43	74.00	56.98	35.42	9.20	58.95	---	Peak	9	7425.00	43.76	-18.24	74.00	58.13	35.41	9.19	58.97	---	Peak	Date: 8 Date: 2023-10-14 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><td>1</td><td>1829.00</td><td>45.33</td><td>-28.67</td><td>74.00</td><td>46.80</td><td>29.68</td><td>4.21</td><td>35.28</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>2743.50</td><td>49.85</td><td>-24.15</td><td>74.00</td><td>47.82</td><td>31.68</td><td>5.24</td><td>34.61</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>4044.00</td><td>51.25</td><td>-22.75</td><td>74.00</td><td>66.79</td><td>34.28</td><td>7.76</td><td>57.49</td><td>145</td><td>339 Peak</td></tr><tr><td>4</td><td>4044.00</td><td>55.97</td><td>-18.03</td><td>74.00</td><td>61.42</td><td>34.28</td><td>7.76</td><td>57.49</td><td>145</td><td>339 Average</td></tr><tr><td>5</td><td>4920.00</td><td>41.87</td><td>-22.93</td><td>74.00</td><td>56.82</td><td>34.40</td><td>7.80</td><td>57.55</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>4950.00</td><td>46.55</td><td>-22.45</td><td>74.00</td><td>61.88</td><td>34.43</td><td>7.80</td><td>57.56</td><td>---</td><td>Peak</td></tr><tr><td>7</td><td>7266.00</td><td>43.27</td><td>-18.73</td><td>74.00</td><td>57.91</td><td>35.44</td><td>8.83</td><td>58.91</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>7380.00</td><td>42.22</td><td>-19.78</td><td>74.00</td><td>57.55</td><td>35.42</td><td>9.20</td><td>58.95</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>7425.00</td><td>43.57</td><td>-18.43</td><td>74.00</td><td>57.94</td><td>35.41</td><td>9.19</td><td>58.97</td><td>---</td><td>Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	Level	Line	Level	Factor	Loss	Factor			1	1829.00	45.33	-28.67	74.00	46.80	29.68	4.21	35.28	---	Peak	2	2743.50	49.85	-24.15	74.00	47.82	31.68	5.24	34.61	---	Peak	3	4044.00	51.25	-22.75	74.00	66.79	34.28	7.76	57.49	145	339 Peak	4	4044.00	55.97	-18.03	74.00	61.42	34.28	7.76	57.49	145	339 Average	5	4920.00	41.87	-22.93	74.00	56.82	34.40	7.80	57.55	---	Peak	6	4950.00	46.55	-22.45	74.00	61.88	34.43	7.80	57.56	---	Peak	7	7266.00	43.27	-18.73	74.00	57.91	35.44	8.83	58.91	---	Peak	8	7380.00	42.22	-19.78	74.00	57.55	35.42	9.20	58.95	---	Peak	9	7425.00	43.57	-18.43	74.00	57.94	35.41	9.19	58.97	---	Peak
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																																																																																																																																																										
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4	4044.00	58.05	-15.55	74.00	66.38	34.28	7.76	57.49	121	22 Average																																																																																																																																																																																																																																										
5	4920.00	41.54	-22.40	74.00	56.89	34.40	7.80	57.55	---	Peak																																																																																																																																																																																																																																										
6	4950.00	46.40	-17.55	74.00	61.81	34.43	7.80	57.56	---	Peak																																																																																																																																																																																																																																										
7	7266.00	43.37	-18.63	74.00	58.81	35.44	8.83	58.91	---	Peak																																																																																																																																																																																																																																										
8	7380.00	42.37	-19.43	74.00	56.98	35.42	9.20	58.95	---	Peak																																																																																																																																																																																																																																										
9	7425.00	43.76	-18.24	74.00	58.13	35.41	9.19	58.97	---	Peak																																																																																																																																																																																																																																										
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																																																																																																																																																										
	(MHz)	(dBuV/m)	Level	Line	Level	Factor	Loss	Factor																																																																																																																																																																																																																																												
1	1829.00	45.33	-28.67	74.00	46.80	29.68	4.21	35.28	---	Peak																																																																																																																																																																																																																																										
2	2743.50	49.85	-24.15	74.00	47.82	31.68	5.24	34.61	---	Peak																																																																																																																																																																																																																																										
3	4044.00	51.25	-22.75	74.00	66.79	34.28	7.76	57.49	145	339 Peak																																																																																																																																																																																																																																										
4	4044.00	55.97	-18.03	74.00	61.42	34.28	7.76	57.49	145	339 Average																																																																																																																																																																																																																																										
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6	4950.00	46.55	-22.45	74.00	61.88	34.43	7.80	57.56	---	Peak																																																																																																																																																																																																																																										
7	7266.00	43.27	-18.73	74.00	57.91	35.44	8.83	58.91	---	Peak																																																																																																																																																																																																																																										
8	7380.00	42.22	-19.78	74.00	57.55	35.42	9.20	58.95	---	Peak																																																																																																																																																																																																																																										
9	7425.00	43.57	-18.43	74.00	57.94	35.41	9.19	58.97	---	Peak																																																																																																																																																																																																																																										



Mode 4 802.11b CH08 & BLE 1M CH01 & Zigbee CH25 & Lora DTS SF11 500Khz CH16

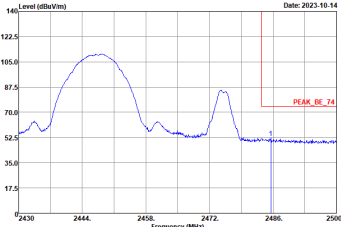
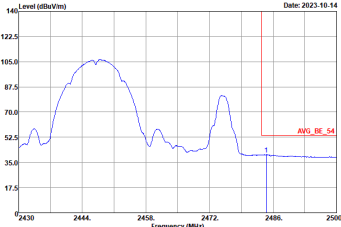
802.11b CH08 (Band Edge @ 3m)

		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																	
		802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16																																																																	
		Co-location																																																																	
		Horizontal	Fundamental																																																																
Peak		Data: 1 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2329.36</td><td>58.64</td><td>-23.36</td><td>74.00</td><td>59.05</td><td>38.73</td><td>4.73 34.87 340 360 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	1	2329.36	58.64	-23.36	74.00	59.05	38.73	4.73 34.87 340 360 Peak	Data: 3 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2447.00</td><td>106.26</td><td>32.26</td><td>74.00</td><td>105.52</td><td>38.70</td><td>4.86 34.82 340 360 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	1	2447.00	106.26	32.26	74.00	105.52	38.70	4.86 34.82 340 360 Peak
	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																											
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Freq	Level	Line	Level	Factor	Loss	Factor																																																													
MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm																																																												
1	2447.00	106.26	32.26	74.00	105.52	38.70	4.86 34.82 340 360 Peak																																																												
Avg.		Data: 2 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2378.88</td><td>39.57</td><td>-14.43</td><td>54.00</td><td>39.82</td><td>38.63</td><td>4.77 34.85 340 360 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	1	2378.88	39.57	-14.43	54.00	39.82	38.63	4.77 34.85 340 360 Average	Data: 4 Level (dBuV/m) Date: 2023-10-14 Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2447.00</td><td>103.04</td><td>49.04</td><td>54.00</td><td>102.30</td><td>38.70</td><td>4.86 34.82 340 360 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cm	1	2447.00	103.04	49.04	54.00	102.30	38.70	4.86 34.82 340 360 Average
	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																											
Freq	Level	Line	Level	Factor	Loss	Factor																																																													
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	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																	
	802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16																																	
	Co-location																																	
	Horizontal	Fundamental																																
Peak	Date: 5 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 2430 2444 2458 2472 2486 2500 Frequency (MHz) PEAK_RE_74 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2483.69</td><td>58.87</td><td>-23.93</td><td>74.80</td><td>49.13</td><td>38.83</td><td>4.92 34.81 340 368 Peak</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	1	2483.69	58.87	-23.93	74.80	49.13	38.83	4.92 34.81 340 368 Peak	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
Freq	Level	Line	Level	Factor	Loss	Factor																												
MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm																											
1	2483.69	58.87	-23.93	74.80	49.13	38.83	4.92 34.81 340 368 Peak																											
Avg.	Date: 6 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 2430 2444 2458 2472 2486 2500 Frequency (MHz) AVG_RE_54 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2483.58</td><td>41.78</td><td>-12.22</td><td>54.80</td><td>40.04</td><td>30.83</td><td>4.92 34.81 340 368 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	1	2483.58	41.78	-12.22	54.80	40.04	30.83	4.92 34.81 340 368 Average	
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																											
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MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm																											
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	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																
	802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16																																
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	Vertical	Fundamental																															
Peak	Date: 11 Level (dBuV/m)  Date: 2023-10-14 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</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></thead><tbody><tr><td>1</td><td>2485.51</td><td>52.23</td><td>-21.77</td><td>74.00</td><td>51.29</td><td>30.83</td><td>4.92</td><td>34.81</td><td>161</td><td>12 Peak</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2485.51	52.23	-21.77	74.00	51.29	30.83	4.92	34.81	161	12 Peak	
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																								
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1	2485.51	52.23	-21.77	74.00	51.29	30.83	4.92	34.81	161	12 Peak																							
Avg.	Date: 12 Level (dBuV/m)  Date: 2023-10-14 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</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></thead><tbody><tr><td>1</td><td>2484.53</td><td>40.44</td><td>-13.56</td><td>54.00</td><td>39.50</td><td>30.83</td><td>4.92</td><td>34.81</td><td>161</td><td>12 Average</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	2484.53	40.44	-13.56	54.00	39.50	30.83	4.92	34.81	161	12 Average	
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																								
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg																								
1	2484.53	40.44	-13.56	54.00	39.50	30.83	4.92	34.81	161	12 Average																							

BLE 1M CH01 (Band Edge @ 3m)

<



		2.4GHz 2400~2483.5MHz Band Edge @ 3m	
		802.11b CH08 &BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16	
		Co-location	
		Vertical	Fundamental
Peak		Date: 5 Level (dBuV/m) <	

Zigbee CH25 (Band Edge @ 3m)

		2.4GHz 2400~2483.5MHz Band Edge @ 3m	
		802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16	
		Co-location	
		Vertical	Fundamental
Peak		</	

Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

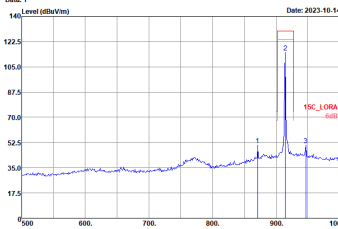
902.5~926.5 Band Edge @ 3m

802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

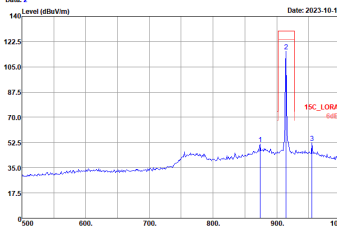
Date: 2023-10-14



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	879.99	58.58	-----	53.83	26.73	3.12	34.38	180	57	Peak
2	914.64	114.36	-----	53.86	130.00	157.18	29.96	3.18	34.38	180
3	946.05	58.64	-----	52.88	29.69	3.25	34.38	180	57	Peak

Vertical

Date: 2023-10-14



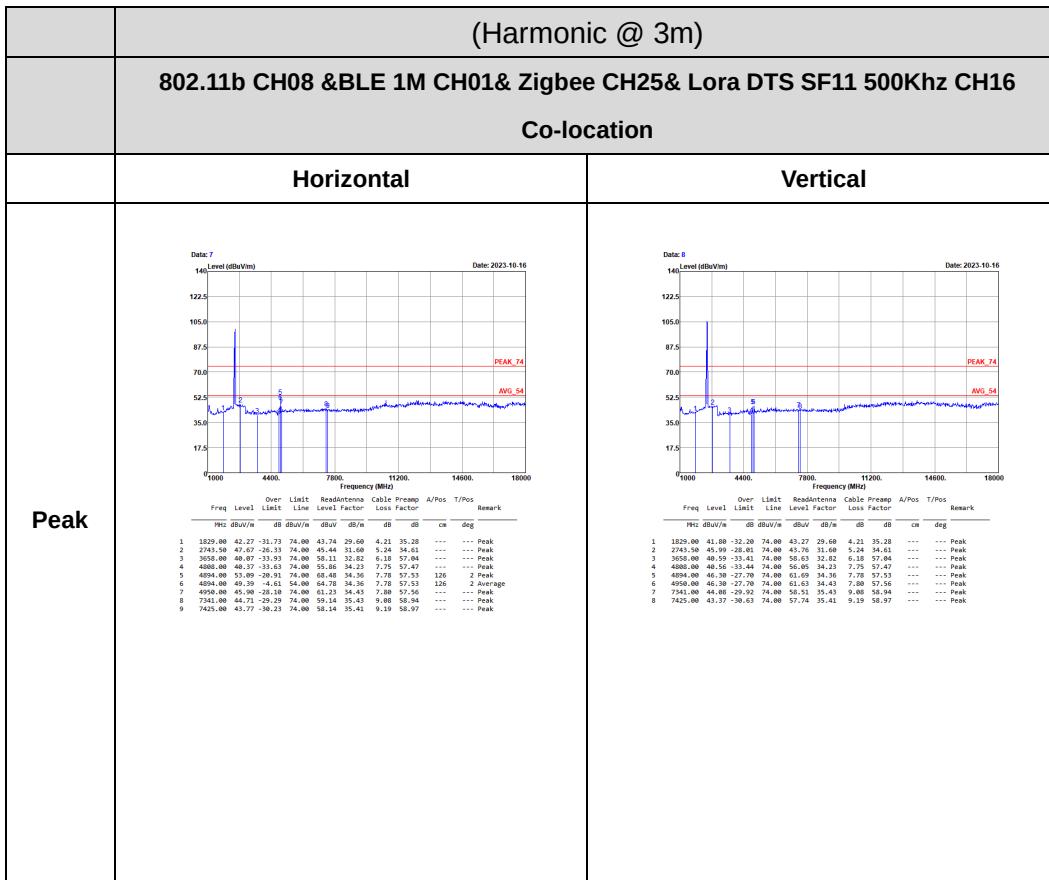
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	873.08	51.48	-----	53.84	28.72	3.12	34.38	180	45	Peak
2	914.64	115.97	-----	54.03	130.00	155.13	28.96	3.18	34.38	180
3	955.38	52.31	-----	53.54	29.79	3.27	34.29	180	45	Peak

Peak



802.11b CH08 & BLE 1M CH01& Zigbee CH25& Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)





Mode 5 802.11ax20 CH11 & BLE 1M CH39 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

802.11ax20 CH11 (Band Edge @ 3m)

		2.4GHz 2400~2483.5MHz Band Edge @ 3m	
		802.11ax20 CH11 & BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16	
		Co-location	
		Horizontal	Fundamental
Peak	</		





BLE 1M CH39 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																	
802.11ax20 CH11 & BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16																																																																																																																																	
Co-location																																																																																																																																	
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Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																																																										
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Zigbee CH11 (Band Edge @ 3m)

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		802.11ax20 CH11 & BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16	
		Co-location	
	Vertical	Fundamental	
Peak	Date: 5 Level (dBuV/m) <		



Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

	902.5~926.5 Band Edge @ 3m																																																																																																																								
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Peak	Date: 1 Level (dBuV/m) Date: 2023-10-14 15C_LORA -60dB <table><thead><tr><th></th><th>Over</th><th>Limit</th><th>Read</th><th>Reactive</th><th>Cal</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</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>dB</th><th>dBuV/m</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>888.88</td><td>51.56</td><td>-----</td><td>54.00</td><td>28.74</td><td>3.12</td><td>34.30</td><td>100</td><td>75 Peak</td></tr><tr><td>2</td><td>914.64</td><td>118.00</td><td>-13.94</td><td>130.00</td><td>118.22</td><td>28.90</td><td>3.18</td><td>34.30</td><td>100 75 Peak</td></tr><tr><td>3</td><td>941.80</td><td>68.14</td><td>-----</td><td>49.62</td><td>29.50</td><td>3.20</td><td>34.30</td><td>100</td><td>75 Peak</td></tr></tbody></table> Date: 2 Level (dBuV/m) Date: 2023-10-14 15C_LORA -60dB <table><thead><tr><th></th><th>Over</th><th>Limit</th><th>Read</th><th>Reactive</th><th>Cal</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</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>dB</th><th>dBuV/m</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>888.69</td><td>52.19</td><td>-----</td><td>54.66</td><td>28.70</td><td>3.13</td><td>34.30</td><td>100</td><td>82 Peak</td></tr><tr><td>2</td><td>914.64</td><td>118.04</td><td>-13.96</td><td>130.00</td><td>118.00</td><td>28.90</td><td>3.18</td><td>34.30</td><td>100 82 Peak</td></tr><tr><td>3</td><td>953.44</td><td>52.84</td><td>-----</td><td>54.00</td><td>29.70</td><td>3.27</td><td>34.29</td><td>100</td><td>82 Peak</td></tr></tbody></table>		Over	Limit	Read	Reactive	Cal	Preamp	A/Pos	T/Pos	Remark		Freq	Level	Limit	Line	Level	Factor	Loss	Factor			MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	deg	1	888.88	51.56	-----	54.00	28.74	3.12	34.30	100	75 Peak	2	914.64	118.00	-13.94	130.00	118.22	28.90	3.18	34.30	100 75 Peak	3	941.80	68.14	-----	49.62	29.50	3.20	34.30	100	75 Peak		Over	Limit	Read	Reactive	Cal	Preamp	A/Pos	T/Pos	Remark		Freq	Level	Limit	Line	Level	Factor	Loss	Factor			MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	deg	1	888.69	52.19	-----	54.66	28.70	3.13	34.30	100	82 Peak	2	914.64	118.04	-13.96	130.00	118.00	28.90	3.18	34.30	100 82 Peak	3	953.44	52.84	-----	54.00	29.70	3.27	34.29	100	82 Peak
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802.11ax20 CH11 & BLE 1M CH39 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

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Peak	Date: 7 Date: 2023-10-16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Limit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>1829.00</td><td>41.00</td><td>-33.00</td><td>74.00</td><td>42.47</td><td>29.60</td><td>4.21</td><td>35.28</td><td>--- Peak</td></tr><tr><td>2</td><td>2743.50</td><td>46.11</td><td>-27.89</td><td>74.00</td><td>43.68</td><td>31.60</td><td>5.24</td><td>34.61</td><td>--- Peak</td></tr><tr><td>3</td><td>3050.00</td><td>48.65</td><td>-21.35</td><td>74.00</td><td>50.67</td><td>32.62</td><td>6.10</td><td>37.04</td><td>--- Peak</td></tr><tr><td>4</td><td>4028.00</td><td>45.65</td><td>-28.35</td><td>74.00</td><td>61.14</td><td>34.23</td><td>7.75</td><td>37.47</td><td>--- Peak</td></tr><tr><td>5</td><td>4924.00</td><td>41.82</td><td>-32.18</td><td>74.00</td><td>57.17</td><td>34.00</td><td>7.00</td><td>37.55</td><td>--- Peak</td></tr><tr><td>6</td><td>4960.00</td><td>41.89</td><td>-32.11</td><td>74.00</td><td>57.21</td><td>34.45</td><td>7.81</td><td>37.58</td><td>--- Peak</td></tr><tr><td>7</td><td>7360.00</td><td>45.34</td><td>-28.66</td><td>74.00</td><td>58.28</td><td>35.42</td><td>9.20</td><td>38.96</td><td>--- Peak</td></tr><tr><td>8</td><td>7440.00</td><td>44.35</td><td>-29.65</td><td>74.00</td><td>58.73</td><td>35.41</td><td>9.19</td><td>38.98</td><td>--- Peak</td></tr></table>	Peak	Freq	Level	Limit	Bandwidth	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg		1	1829.00	41.00	-33.00	74.00	42.47	29.60	4.21	35.28	--- Peak	2	2743.50	46.11	-27.89	74.00	43.68	31.60	5.24	34.61	--- Peak	3	3050.00	48.65	-21.35	74.00	50.67	32.62	6.10	37.04	--- Peak	4	4028.00	45.65	-28.35	74.00	61.14	34.23	7.75	37.47	--- Peak	5	4924.00	41.82	-32.18	74.00	57.17	34.00	7.00	37.55	--- Peak	6	4960.00	41.89	-32.11	74.00	57.21	34.45	7.81	37.58	--- Peak	7	7360.00	45.34	-28.66	74.00	58.28	35.42	9.20	38.96	--- Peak	8	7440.00	44.35	-29.65	74.00	58.73	35.41	9.19	38.98	--- Peak	Date: 8 Date: 2023-10-16 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Limit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>1829.00</td><td>48.75</td><td>-33.25</td><td>74.00</td><td>42.22</td><td>29.60</td><td>4.21</td><td>35.28</td><td>--- Peak</td></tr><tr><td>2</td><td>2743.50</td><td>43.91</td><td>-30.09</td><td>74.00</td><td>43.68</td><td>31.60</td><td>5.24</td><td>34.61</td><td>--- Peak</td></tr><tr><td>3</td><td>3050.00</td><td>48.95</td><td>-25.05</td><td>74.00</td><td>50.97</td><td>32.62</td><td>6.10</td><td>37.04</td><td>--- Peak</td></tr><tr><td>4</td><td>4028.00</td><td>45.49</td><td>-28.51</td><td>74.00</td><td>60.98</td><td>34.23</td><td>7.75</td><td>37.47</td><td>--- Peak</td></tr><tr><td>5</td><td>4924.00</td><td>41.18</td><td>-32.82</td><td>74.00</td><td>56.51</td><td>34.00</td><td>7.00</td><td>37.55</td><td>--- Peak</td></tr><tr><td>6</td><td>4960.00</td><td>41.91</td><td>-32.09</td><td>74.00</td><td>57.23</td><td>34.45</td><td>7.81</td><td>37.58</td><td>--- Peak</td></tr><tr><td>7</td><td>7360.00</td><td>45.36</td><td>-28.64</td><td>74.00</td><td>58.30</td><td>35.42</td><td>9.20</td><td>38.96</td><td>--- Peak</td></tr><tr><td>8</td><td>7440.00</td><td>43.53</td><td>-30.47</td><td>74.00</td><td>57.91</td><td>35.41</td><td>9.19</td><td>38.98</td><td>--- Peak</td></tr></table>	Peak	Freq	Level	Limit	Bandwidth	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg		1	1829.00	48.75	-33.25	74.00	42.22	29.60	4.21	35.28	--- Peak	2	2743.50	43.91	-30.09	74.00	43.68	31.60	5.24	34.61	--- Peak	3	3050.00	48.95	-25.05	74.00	50.97	32.62	6.10	37.04	--- Peak	4	4028.00	45.49	-28.51	74.00	60.98	34.23	7.75	37.47	--- Peak	5	4924.00	41.18	-32.82	74.00	56.51	34.00	7.00	37.55	--- Peak	6	4960.00	41.91	-32.09	74.00	57.23	34.45	7.81	37.58	--- Peak	7	7360.00	45.36	-28.64	74.00	58.30	35.42	9.20	38.96	--- Peak	8	7440.00	43.53	-30.47	74.00	57.91	35.41	9.19	38.98	--- Peak
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Mode 6 802.11a CH36 & BLE 1M CH39 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

802.11a CH36 (Band Edge @ 3m)

5GHz 5150~5250MHz Band Edge @ 3m

802.11a CH36 &BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Fundamental

Peak

Date: 1

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

5000

5052

5104

5156

5208

5260

Frequency (MHz)

Over

Limit

ReadAntenna

Cable Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB/n

dB

cm

deg

1

5145.06

56.14

-17.06

74.00

47.58

34.62

7.91

33.97

218

262

Peak

Date: 3

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

5000

2200

3400

4600

5800

7000

Frequency (MHz)

Over

Limit

ReadAntenna

Cable Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB/n

dB

cm

deg

1

5150.00

112.03

-43.73

68.30

103.40

34.65

7.93

33.95

218

262

Peak

2

5150.00

103.93

95.30

34.65

7.93

33.95

218

262

Average

Avg.

Date: 2

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

5000

5052

5104

5156

5208

5260

Frequency (MHz)

Over

Limit

ReadAntenna

Cable Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB/n

dB

cm

deg

1

5146.12

47.54

-6.46

54.00

38.98

34.62

7.91

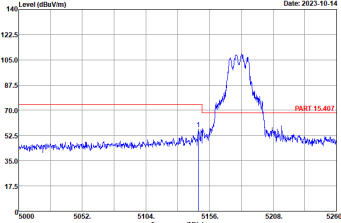
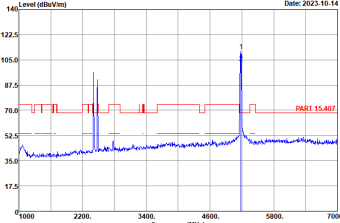
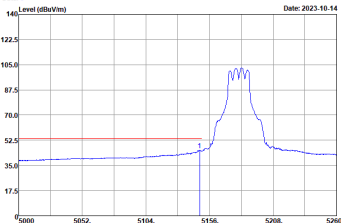
33.97

218

262

Average



5GHz 5150~5250MHz Band Edge @ 3m																																																																																														
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BLE 1M CH39 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11a CH36 &BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Date: 3

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

2460

2468

2476

2484

2492

2500

1

2499.24

49.00

-25.00

74.00

47.98

30.90

4.92

34.80

194

36

Peak

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB

dB

cm

deg

Fundamental

Date: 1

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

1000

1400

1800

2200

2600

3000

1

2499.00

100.76

26.76

74.00

99.82

30.83

4.92

34.81

194

36

Peak

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB

dB

cm

deg

Peak

Date: 4

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

2460

2468

2476

2484

2492

2500

1

2483.56

38.59

-15.41

54.00

37.65

30.83

4.92

34.81

194

36

Average

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

dB

dB

cm

deg

Fundamental

Date: 2

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

1000

1400

1800

2200

2600

3000

1

2499.00

99.81

45.81

54.00

98.87

30.83

4.92

34.81

194

36

Average

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level

Factor

Loss

Factor

MHz

dBuV/m

dB

dBuV/m

dBuV

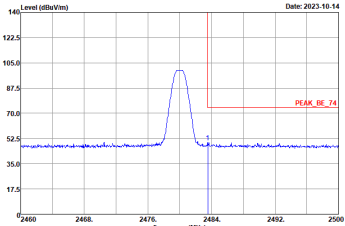
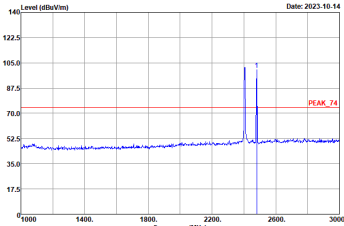
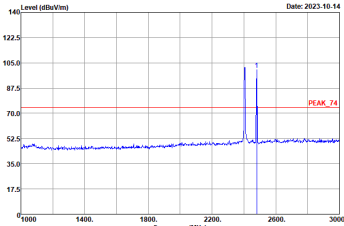
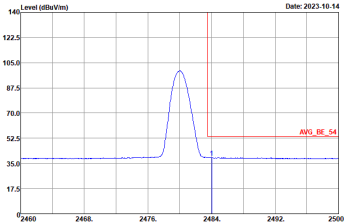
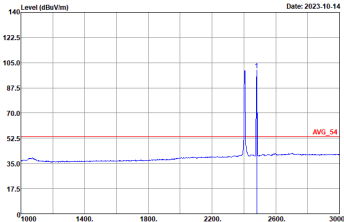
dB

dB

cm

deg



2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																		
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Avg.	Date: 8 Level (dBuV/m)  Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2484.04</td><td>39.17</td><td>-14.83</td><td>54.00</td><td>38.23</td><td>30.83</td><td>4.92 34.81 214 320 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	1	2484.04	39.17	-14.83	54.00	38.23	30.83	4.92 34.81 214 320 Average	Date: 6 Level (dBuV/m)  Frequency (MHz) <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</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></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1</td><td>2480.00</td><td>99.66</td><td>45.66</td><td>54.00</td><td>96.72</td><td>30.83</td><td>4.92 34.81 214 320 Average</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss	Factor		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	1	2480.00	99.66	45.66	54.00	96.72	30.83	4.92 34.81 214 320 Average
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Zigbee CH11 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11a CH36 &BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Date: 1

Date: 2023-10-14

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

2310

2331

2352

2373

2394

2415

1

2355.57

49.00

-24.92

74.00

48.58

30.67

4.77

34.86

137

118

Peak

Fundamental

Date: 3

Date: 2023-10-14

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

1000

1400

1800

2200

2600

3000

1

* 2405.00

182.77

28.77

74.00

182.17

38.63

4.81

34.84

137

118

Peak

Peak

Horizontal

Date: 2

Date: 2023-10-14

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

2310

2331

2352

2373

2394

2415

1

2368.49

37.48

-16.52

54.00

36.89

30.67

4.77

34.85

137

118

Average

Fundamental

Date: 4

Date: 2023-10-14

Level (dBuV/m)

121

109.4

93.8

78.1

62.5

46.9

31.3

15.6

Frequency (MHz)

1000

1400

1800

2200

2600

3000

1

* 2405.00

180.69

46.69

54.00

180.09

38.63

4.81

34.84

137

118

Average

Avg.



Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

902.5~926.5 Band Edge @ 3m

802.11a CH36 & BLE 1M CH39 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

Co-location

Horizontal

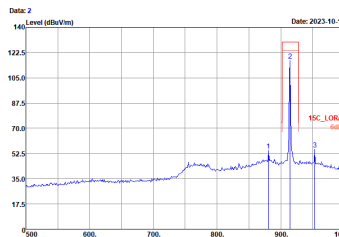
Vertical

Peak



Horizontal Spectrum Plot
 Date: 2023-10-14
 The plot shows a blue line representing the spectrum with a prominent peak at approximately 914.66 MHz. A red box highlights this peak, and a red label 'VSC_LORA (dBm)' points to it. The y-axis is 'Level (dBuV/m)' ranging from 17.5 to 140. The x-axis is 'Frequency (MHz)' ranging from 500 to 1000.

Peak	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	cm	deg		
1	889.85	58.21	-----	52.66	26.73	3.12	54.38	180	52 Peak	
2	914.66	125.56	-14.86	130.80	151.16	29.96	3.18	54.38	180	52 Peak
3	941.88	51.39	-----	52.87	29.58	3.24	54.38	180	52 Peak	



Vertical Spectrum Plot
 Date: 2023-10-14
 The plot shows a blue line representing the spectrum with a prominent peak at approximately 914.66 MHz. A red box highlights this peak, and a red label 'VSC_LORA (dBm)' points to it. The y-axis is 'Level (dBuV/m)' ranging from 17.5 to 140. The x-axis is 'Frequency (MHz)' ranging from 500 to 1000.

Peak	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	cm	deg		
1	889.69	54.64	-----	57.11	28.78	3.13	54.38	180	69 Peak	
2	914.66	116.66	-13.14	120.88	159.82	28.96	3.18	54.38	180	69 Peak
3	953.44	55.29	-----	56.53	29.78	3.27	54.29	180	69 Peak	



802.11a CH36 & BLE 1M CH39& Zigbee CH11& Lora DTS SF11 500Khz CH16

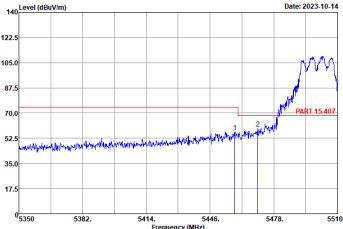
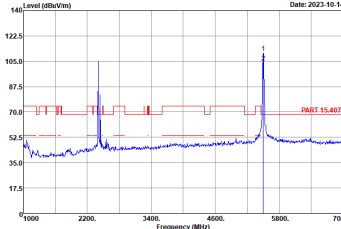
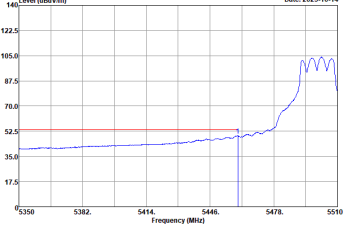
(Harmonic @ 3m)

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Mode 7 802.11a CH100 & BLE 1M CH19 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

802.11a CH100 (Band Edge @ 3m)

		5GHz 5470~5725MHz Band Edge @ 3m																																																																																																		
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BLE 1M CH19 (Band Edge @ 3m)

2.4GHz 2400~2483.5MHz Band Edge @ 3m

802.11a CH100 & BLE 1M CH19& Zigbee CH11& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Fundamental

Peak

Date: 1

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

2310

2338

2366

2394

2422

2450

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2338.98

49.87

-24.93

74.00

48.48

30.73

4.73

34.87

196

36

Peak

Date: 3

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

1000

1400

1800

2200

2600

3000

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2448.00

103.90

29.90

74.00

103.24

30.70

4.86

34.82

196

36

Peak

Date: 2

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

2310

2338

2366

2394

2422

2450

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2368.38

38.38

-15.62

54.00

37.79

30.67

4.77

34.85

196

36

Average

Date: 4

Date: 2023-10-14

Level (dBuV/m)

140

122.5

105.0

87.5

70.0

52.5

35.0

17.5

Frequency (MHz)

1000

1400

1800

2200

2600

3000

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Freq

Level

Limit

Line

Level Factor

Loss Factor

MHz

dBuV/m

dB

dBuV/m

dB/m

dB

cm

deg

1

2448.00

103.40

49.40

54.00

102.66

30.70

4.86

34.82

196

36

Average



	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																	
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[illegible]



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	Co-location	
	Vertical	Fundamental
Peak	Date: 11 Level (dBuV/m)	



Zigbee CH11 (Band Edge @ 3m)

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Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

902.5~926.5 Band Edge @ 3m

802.11a CH100 & BLE 1M CH19 & Zigbee CH11 & Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Vertical

Date: 1
Date: 2023-10-14

Horizontal Spectrum Plot Data:

Peak	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
	MHz	dBm/Vm	dBm/Vm	dBm/Vm	dBm/Vm	dBm	dBm	
1	889.15	49.00	-----	51.45	26.73	3.12	54.30	25 Peak
2	914.50	115.73	-----	141.27	130.00	127.89	28.96	3.18 54.30 180
3	941.30	58.11	-----	51.68	29.56	3.24	54.30	180 25 Peak

Date: 2
Date: 2023-10-14

Vertical Spectrum Plot Data:

Peak	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark
	MHz	dBm/Vm	dBm/Vm	dBm/Vm	dBm/Vm	dBm	dBm	
1	889.42	53.85	-----	56.32	28.79	3.13	54.30	180 36 Peak
2	914.50	116.87	-----	131.93	120.00	118.23	28.96	3.18 54.30 180
3	953.13	54.58	-----	55.74	29.78	3.27	54.29	180 36 Peak

Peak



802.11a CH100 & BLE 1M CH19& Zigbee CH11& Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)

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Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																		
Freq	Level	Level	Level	Level	dB	cm	deg																																																																		
MHz	dBuV/m	dB	dBuV/m	dB	dB	cm	deg																																																																		
1 7115.00	88.64	-18.56	99.20	76.91	35.48	8.68	34.43 322 269 Average																																																																		



6GHz 6875~7125MHz Band Edge @ 3m	
802.11ax20 CH233 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16	
Co-location	
	Vertical Fundamental
Peak	

BLE1M CH00 (Band Edge @ 3m)

[illegible]

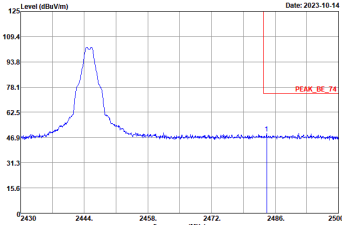
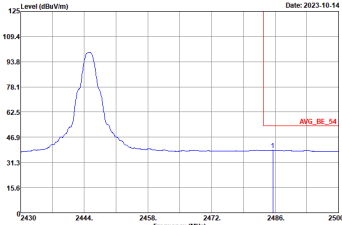


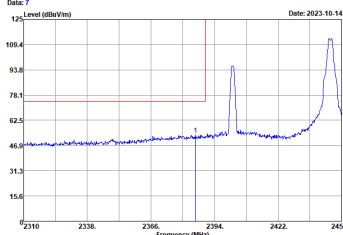
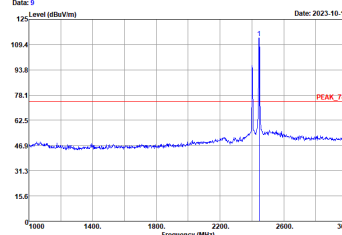
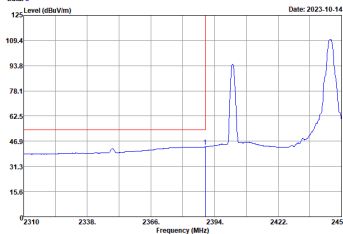
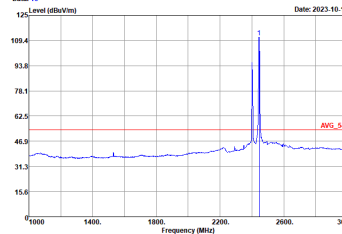
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		802.11ax20 CH233 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16	
		Co-location	
		Vertical	Fundamental
Peak		Date: 5 Date: 2023-10-14 1 2387.91 48.11 -25.89 74.00 47.54 38.68 4.81 34.84 228 315 Peak	Date: 7 Date: 2023-10-14 1 * 2402.00 98.87 24.87 74.00 98.30 38.68 4.81 34.84 228 315 Peak
Avg.		Date: 6 Date: 2023-10-14 1 2383.19 38.34 -15.66 54.00 37.79 30.63 4.77 34.85 228 315 Average	Date: 8 Date: 2023-10-14 1 * 2402.00 98.10 44.10 54.00 97.53 38.68 4.81 34.84 228 315 Peak

Zigbee CH19 (Band Edge @ 3m)

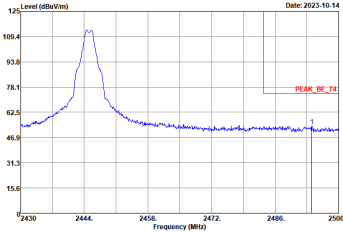
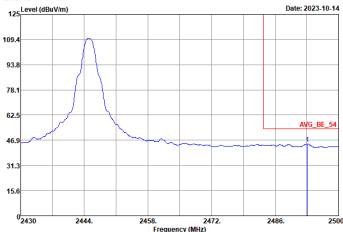
		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																	
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Peak		Date: 1 Date: 2023-10-14 <table><thead><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2320.64</td><td>48.93</td><td>-25.87</td><td>74.00</td><td>48.34</td><td>30.73</td><td>4.73 34.87 145 189 Peak</td></tr></tbody></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss			MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2320.64	48.93	-25.87	74.00	48.34	30.73	4.73 34.87 145 189 Peak	Date: 3 Date: 2023-10-14 <table><thead><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2445.00</td><td>102.86</td><td>28.86</td><td>74.00</td><td>102.12</td><td>30.79</td><td>4.86 34.82 145 189 Peak</td></tr></tbody></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Level	Factor	Loss			MHz	dBuV/m	dB	dBuV/m	dBuV	dB	cm	deg	1	2445.00	102.86	28.86	74.00	102.12	30.79	4.86 34.82 145 189 Peak
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Lora DTS SF11 500Khz CH16 (Band Edge @ 3m)

902.5~926.5 Band Edge @ 3m

802.11ax20 CH233 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16

Co-location

Horizontal

Date: 2023-10-14

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	deg	
1	879.82	47.31		49.76	28.73	3.12	34.38	180		54 Peak
2	914.50	116.29	-13.75	139.00	116.61	29.96	3.18	34.38	180	54 Peak
3	940.83	49.63		51.13	29.56	3.24	34.38	180		54 Peak

Vertical

Date: 2023-10-14

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	cm	deg	
1	879.72	52.21		54.66	28.78	3.13	34.38	180		32 Peak
2	914.50	116.32	-13.68	139.00	116.65	29.96	3.18	34.38	180	32 Peak
3	954.41	52.77		54.00	29.79	3.27	34.29	180		32 Peak

Peak



802.11ax20 CH233 & BLE 1M CH00& Zigbee CH19& Lora DTS SF11 500Khz CH16

(Harmonic @ 3m)

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	Horizontal	Vertical																																																																																																																																																																																																					
Peak	Date: 11 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 8800 16600 24400 32200 40000 Frequency (MHz) Date: 2023-10-14 PEAK_T4 AVG_S4 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>1825.00</td><td>48.64</td><td>-33.36</td><td>74.00</td><td>42.11</td><td>29.68</td><td>4.22</td><td>35.28</td><td>---</td><td>--- Peak</td></tr><tr><td>2</td><td>2743.50</td><td>47.52</td><td>-26.48</td><td>74.00</td><td>45.29</td><td>31.68</td><td>5.24</td><td>34.61</td><td>---</td><td>--- Peak</td></tr><tr><td>3</td><td>3038.00</td><td>43.83</td><td>-32.87</td><td>74.00</td><td>59.87</td><td>32.82</td><td>6.18</td><td>57.04</td><td>---</td><td>--- Peak</td></tr><tr><td>4</td><td>4084.00</td><td>42.25</td><td>-31.75</td><td>74.00</td><td>57.74</td><td>34.23</td><td>7.75</td><td>57.47</td><td>---</td><td>--- Peak</td></tr><tr><td>5</td><td>4898.00</td><td>42.98</td><td>-31.18</td><td>74.00</td><td>58.29</td><td>34.36</td><td>7.78</td><td>57.53</td><td>---</td><td>--- Peak</td></tr><tr><td>6</td><td>7335.00</td><td>47.45</td><td>-26.55</td><td>74.00</td><td>54.78</td><td>35.43</td><td>6.95</td><td>51.71</td><td>---</td><td>--- Peak</td></tr><tr><td>7</td><td>14238.00</td><td>58.28</td><td>-17.92</td><td>88.28</td><td>49.98</td><td>38.54</td><td>12.73</td><td>58.89</td><td>---</td><td>--- Peak</td></tr></table> Date: 12 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 8800 16600 24400 32200 40000 Frequency (MHz) Date: 2023-10-14 PEAK_T4 AVG_S4 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>(MHz)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dBuV/m)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th>(dB)</th><th></th></tr><tr><td>1</td><td>1825.00</td><td>48.58</td><td>-33.42</td><td>74.00</td><td>42.95</td><td>29.68</td><td>4.22</td><td>35.28</td><td>---</td><td>--- Peak</td></tr><tr><td>2</td><td>2743.50</td><td>44.95</td><td>-29.85</td><td>74.00</td><td>42.72</td><td>31.68</td><td>5.24</td><td>34.61</td><td>---</td><td>--- Peak</td></tr><tr><td>3</td><td>3038.00</td><td>48.39</td><td>-31.41</td><td>74.00</td><td>59.83</td><td>32.82</td><td>6.18</td><td>57.04</td><td>---</td><td>--- Peak</td></tr><tr><td>4</td><td>4084.00</td><td>42.33</td><td>-31.67</td><td>74.00</td><td>57.82</td><td>34.23</td><td>7.75</td><td>57.47</td><td>---</td><td>--- Peak</td></tr><tr><td>5</td><td>4898.00</td><td>42.68</td><td>-31.32</td><td>74.00</td><td>58.97</td><td>34.36</td><td>7.78</td><td>57.53</td><td>---</td><td>--- Peak</td></tr><tr><td>6</td><td>7335.00</td><td>47.66</td><td>-26.34</td><td>74.00</td><td>54.99</td><td>35.43</td><td>6.95</td><td>51.71</td><td>---</td><td>--- Peak</td></tr><tr><td>7</td><td>14238.00</td><td>58.23</td><td>-17.97</td><td>88.28</td><td>49.85</td><td>38.54</td><td>12.73</td><td>58.89</td><td>---</td><td>--- Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dB)		1	1825.00	48.64	-33.36	74.00	42.11	29.68	4.22	35.28	---	--- Peak	2	2743.50	47.52	-26.48	74.00	45.29	31.68	5.24	34.61	---	--- Peak	3	3038.00	43.83	-32.87	74.00	59.87	32.82	6.18	57.04	---	--- Peak	4	4084.00	42.25	-31.75	74.00	57.74	34.23	7.75	57.47	---	--- Peak	5	4898.00	42.98	-31.18	74.00	58.29	34.36	7.78	57.53	---	--- Peak	6	7335.00	47.45	-26.55	74.00	54.78	35.43	6.95	51.71	---	--- Peak	7	14238.00	58.28	-17.92	88.28	49.98	38.54	12.73	58.89	---	--- Peak	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dB)		1	1825.00	48.58	-33.42	74.00	42.95	29.68	4.22	35.28	---	--- Peak	2	2743.50	44.95	-29.85	74.00	42.72	31.68	5.24	34.61	---	--- Peak	3	3038.00	48.39	-31.41	74.00	59.83	32.82	6.18	57.04	---	--- Peak	4	4084.00	42.33	-31.67	74.00	57.82	34.23	7.75	57.47	---	--- Peak	5	4898.00	42.68	-31.32	74.00	58.97	34.36	7.78	57.53	---	--- Peak	6	7335.00	47.66	-26.34	74.00	54.99	35.43	6.95	51.71	---	--- Peak	7	14238.00	58.23	-17.97	88.28	49.85	38.54	12.73	58.89	---	--- Peak
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