

FSK-FHSS-150Kbps

Test Engineer:	Smile Wang	Temperature:	20~26	°C
Test Date:	2024/3/21~2024/5/30	Relative Humidity:	40~51	%

TEST RESULTS DATA**20dB and 99% Occupied Bandwidth and Hopping Channel Separation**

Mod.	Data Rate	NTX	Freq. (MHz)	20db BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
FSK	150Kbps	1	902.4	0.127	0.151	0.399	0.127	Pass
FSK	150Kbps	1	915.2	0.127	0.152	0.399	0.127	Pass
FSK	150Kbps	1	927.6	0.142	0.161	0.368	0.142	Pass

TEST RESULTS DATA**Dwell Time**

Mod.	CH.	DT On-time per hop (ms)	Total hops over 20sec	Dwell Time (sec)	Limits (sec)	Pass/Fail
FSK 150K	hopping	2	16.00	0.03	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

mode	Freq. (MHz)	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result	Power Setting
FSK 150K	902.4	1	20.63	30.00	Pass	20
	915.2	1	20.56	30.00	Pass	20
	927.6	1	20.50	30.00	Pass	20

TEST RESULTS DATA**Number of Hopping Frequency**

Number of Hopping (Channel)	Limits (Channel)	Pass/Fail
64	> 50	Pass

FSK-FHSS-250Kbps

Test Engineer:	Smile Wang	Temperature:	20~26	°C
Test Date:	2024/3/21~2024/5/30	Relative Humidity:	40~51	%

TEST RESULTS DATA								
<i>20dB and 99% Occupied Bandwidth and Hopping Channel Separation</i>								
Mod.	Data Rate	NTX	Freq. (MHz)	20db BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
FSK	250Kbps	1	902.5	0.132	0.185	0.500	0.132	Pass
FSK	250Kbps	1	915	0.132	0.186	0.500	0.132	Pass
FSK	250Kbps	1	927.5	0.132	0.188	0.500	0.132	Pass

TEST RESULTS DATA						
<i>Dwell Time</i>						
Mod.	CH.	DT On-time per hop (ms)	Total hops over 20sec	Dwell Time (sec)	Limits (sec)	Pass/Fail
FSK250	hopping	2	20.00	0.04	0.4	Pass

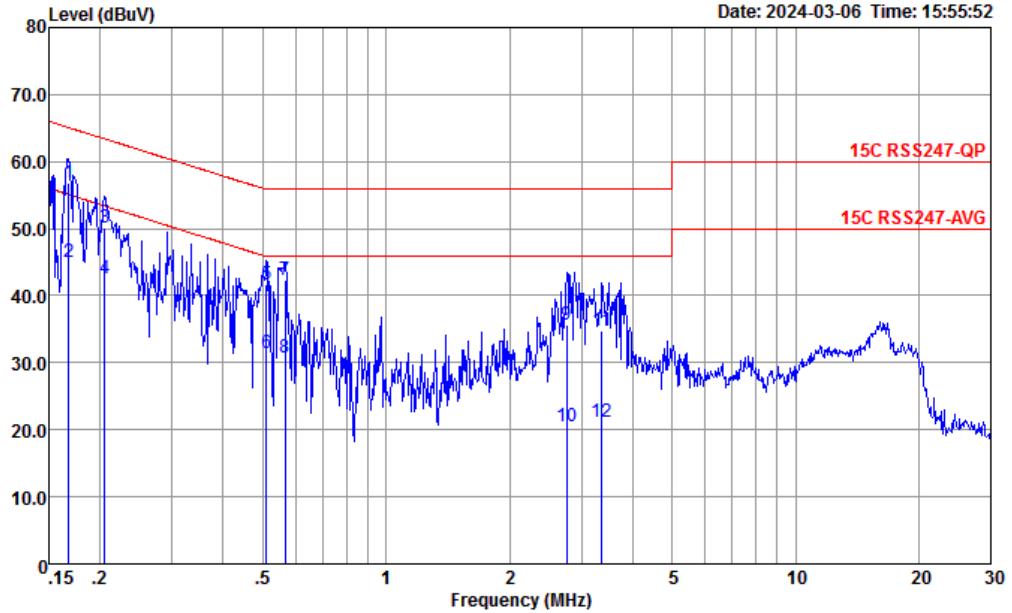
TEST RESULTS DATA						
<i>Peak Power Table</i>						
mode	Freq. (MHz)	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result	Power Setting
FSK250	902.5	1	20.61	30.00	Pass	20
	915	1	20.59	30.00	Pass	20
	927.5	1	20.59	30.00	Pass	20

TEST RESULTS DATA		
<i>Number of Hopping Frequency</i>		
Number of Hopping (Channel)	Limits (Channel)	Pass/Fail
51	>50	Pass



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 :	Line

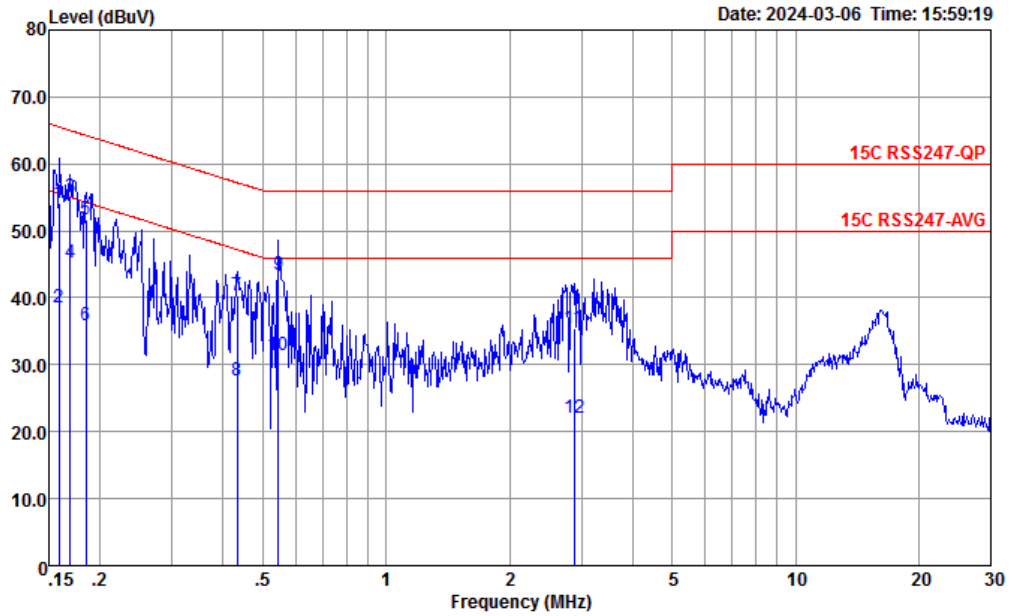


Site : CO01-KS
 Condition : 15C RSS247-QP LISN-060105-L 2023 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.168	56.76	-8.32	65.08	46.30	0.04	10.42	QP
2	0.168	45.06	-10.02	55.08	34.60	0.04	10.42	Average
3	0.205	50.04	-13.36	63.40	39.60	0.03	10.41	QP
4	0.205	42.64	-10.76	53.40	32.20	0.03	10.41	Average
5	0.510	41.68	-14.32	56.00	31.49	-0.03	10.22	QP
6	0.510	31.38	-14.62	46.00	21.19	-0.03	10.22	Average
7	0.567	42.35	-13.65	56.00	32.21	-0.05	10.19	QP
8	0.567	30.65	-15.35	46.00	20.51	-0.05	10.19	Average
9	2.765	35.58	-20.42	56.00	25.60	-0.09	10.07	QP
10	2.765	20.48	-25.52	46.00	10.50	-0.09	10.07	Average
11	3.364	34.77	-21.23	56.00	24.79	-0.09	10.07	QP
12	3.364	21.27	-24.73	46.00	11.29	-0.09	10.07	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



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

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.159	54.06	-11.46	65.52	43.60	0.04	10.42	QP
2	0.159	38.66	-16.86	55.52	28.20	0.04	10.42	Average
3	0.169	55.06	-9.93	64.99	44.60	0.04	10.42	QP
4 *	0.169	45.16	-9.83	54.99	34.70	0.04	10.42	Average
5	0.184	51.66	-12.62	64.28	41.20	0.05	10.41	QP
6	0.184	35.96	-18.32	54.28	25.50	0.05	10.41	Average
7	0.433	40.40	-16.80	57.20	30.20	-0.06	10.26	QP
8	0.433	27.70	-19.50	47.20	17.50	-0.06	10.26	Average
9	0.546	43.43	-12.57	56.00	33.30	-0.07	10.20	QP
10	0.546	31.33	-14.67	46.00	21.20	-0.07	10.20	Average
11	2.884	35.44	-20.56	56.00	25.50	-0.13	10.07	QP
12	2.884	22.14	-23.86	46.00	12.20	-0.13	10.07	Average

Note:

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



Appendix C. Radiated Spurious Emission

FSK 50Kbps (Band Edge @ 3m)

	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.2MHz		382.11	34.24	-11.76	46	42.44	21.05	2.85	32.1	-	-	P	H
		902.03	103	-	-	100.73	29.18	4.37	31.28	-	-	P	H
		407.33	33.2	-12.8	46	40.04	22.32	2.95	32.11	-	-	P	V
		902.03	112.99	-	-	110.72	29.18	4.37	31.28	-	-	P	V
915MHz		402.48	38.8	-7.2	46	46.02	21.96	2.93	32.11	-	-	P	H
		914.64	108.36	-	-	105.6	29.55	4.4	31.19	-	-	P	H
		400.54	35.74	-10.26	46	43.12	21.81	2.92	32.11	-	-	P	V
		914.64	115.78	-	-	113.02	29.55	4.4	31.19	-	-	P	V
927.6MHz		353.01	32.64	-13.36	46	42.20	20.50	2.86	32.92	-	-	P	H
		927.60	108.15	-	-	108.06	27.16	4.66	31.73	-	-	P	H
		401.51	32.10	-13.90	46	40.18	21.70	3.06	32.84	-	-	P	V
		927.60	117.41	-	-	117.32	27.16	4.66	31.73	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



FSK 50Kbps (Harmonic @ 3m)

	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	Limit	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
					(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.2MHz		1049.20	43.96	-30.04	74	75.86	28.56	4.69	65.15	-	-	P	H
		2706.40	53.20	-20.80	74	78.11	33.06	7.58	65.55	331	262	P	H
		2706.40	37.06	-16.94	54	61.97	33.06	7.58	65.55	331	262	A	H
		5413.60	51.59	-22.41	74	71.00	35.25	10.79	65.45	100	287	P	H
		5413.60	35.45	-18.55	54	54.86	35.25	10.79	65.45	100	287	A	H
		1041.40	48.52	-25.48	74	80.29	28.70	4.68	65.15	-	-	P	V
		2706.40	50.16	-23.84	74	75.07	33.06	7.58	65.55	100	293	P	V
		2706.40	34.02	-19.98	54	58.93	33.06	7.58	65.55	100	293	A	V
		5413.60	52.87	-21.13	74	72.28	35.25	10.79	65.45	100	43	P	V
		5413.60	36.73	-17.27	54	56.14	35.25	10.79	65.45	100	43	A	V
915MHz		1058.20	44.53	-29.47	74	76.57	28.41	4.71	65.16	-	-	P	H
		2744.80	51.46	-22.54	74	76.50	32.83	7.63	65.50	362	248	P	H
		2744.80	35.32	-18.68	54	60.36	32.83	7.63	65.50	362	248	A	H
		5489.80	52.15	-36.21	88.36	71.76	34.94	10.87	65.42	-	-	P	H
		1056.40	47.12	-26.88	74	79.13	28.44	4.71	65.16	-	-	P	V
		2744.80	47.98	-26.02	74	73.02	32.83	7.63	65.50	-	-	P	V
		2744.80	54.31	-41.47	95.78	73.92	34.94	10.87	65.42	-	-	P	V
927.6MHz		1064.80	44.94	-29.06	74	78.21	27.17	4.73	65.17	-	-	P	H
		2782.60	51.52	-22.48	74	77.20	32.10	7.68	65.46	100	330	P	H
		2782.60	35.38	-18.62	54	61.06	32.10	7.68	65.46	100	330	A	H
		5565.40	53.20	-34.95	88.15	72.82	34.80	10.96	65.38	-	-	P	H
		1072.60	48.25	-25.75	74	81.68	27.00	4.74	65.17	-	-	P	V
		2782.60	52.95	-21.05	74	78.63	32.10	7.68	65.46	300	326	P	V
		2782.60	36.81	-17.19	54	62.49	32.10	7.68	65.46	300	326	A	V
		5565.40	56.32	-41.09	97.41	75.94	34.80	10.96	65.38	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



FSK 150Kbps (Band Edge @ 3m)

	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.4MHz		450.98	36.33	-9.67	46	42.49	22.88	3.09	32.13	-	-	P	H
		902.03	106.91	-	-	104.64	29.18	4.37	31.28	-	-	P	H
		84.32	34.39	-5.61	40	51.33	13.88	1.24	32.06	-	-	P	V
		902.03	114.69	-	-	112.42	29.18	4.37	31.28	-	-	P	V
914.8MHz		389.87	36.42	-9.58	46	44.29	21.35	2.88	32.1	-	-	P	H
		914.64	108.85	-	-	106.09	29.55	4.4	31.19	-	-	P	H
		32.91	35.52	-4.48	40	43.68	23.49	0.54	32.19	-	-	P	V
		914.64	115.54	-	-	112.78	29.55	4.4	31.19	-	-	P	V
927.6MHz		394.72	37.25	-8.75	46	45.51	21.55	3.03	32.84	-	-	P	H
		928.22	107.25	-	-	107.13	27.18	4.66	31.72	-	-	P	H
		401.51	34.1	-11.9	46	42.18	21.7	3.06	32.84	-	-	P	V
		927.25	114.86	-	-	114.77	27.16	4.66	31.73	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



FSK 150Kbps (Harmonic @ 3m)

	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.4MHz		1048.60	40.84	-33.16	74	72.73	28.57	4.69	65.15	-	-	P	H
		2706.40	51.26	-22.74	74	76.17	33.06	7.58	65.55	110	248	P	H
		2706.40	28.16	-25.84	54	53.07	33.06	7.58	65.55	110	248	A	H
		5413.60	51.51	-22.49	74	70.92	35.25	10.79	65.45	100	291	P	H
		5413.60	28.41	-45.59	54	47.82	35.25	10.79	65.45	100	291	A	H
		1042.00	46.03	-27.97	74	77.81	28.69	4.68	65.15	-	-	P	V
		2706.40	49.14	-24.86	74	74.05	33.06	7.58	65.55	100	296	P	V
		2706.40	26.04	-27.96	54	50.95	33.06	7.58	65.55	100	296	A	V
		5413.60	51.93	-22.07	74	71.34	35.25	10.79	65.45	295	324	P	V
		5413.60	28.83	-25.17	54	48.24	35.25	10.79	65.45	295	324	A	V
914.8MHz		1057.60	44.82	-29.18	74	76.85	28.42	4.71	65.16	-	-	P	H
		2744.20	51.83	-22.17	74	76.87	32.83	7.63	65.50	113	263	P	H
		2744.20	28.73	-25.27	54	53.77	32.83	7.63	65.50	113	263	A	H
		5489.20	52.40	-36.45	88.85	72.01	34.94	10.87	65.42	-	-	P	H
		1061.20	49.85	-24.15	74	81.93	28.36	4.72	65.16	-	-	P	V
		2744.20	50.84	-23.16	74	75.88	32.83	7.63	65.50	300	296	P	V
		5489.20	54.17	-41.37	95.54	73.78	34.94	10.87	65.42	-	-	P	V
927.6MHz		1073.80	45.95	-28.05	74	78.22	28.15	4.75	65.17	100	342	P	H
		2782.60	50.73	-23.27	74	75.91	32.60	7.68	65.46	100	253	P	H
		2782.60	27.63	-26.37	54	52.81	32.60	7.68	65.46	100	253	A	H
		5565.40	52.56	-34.69	87.25	72.08	34.90	10.96	65.38	-	-	P	H
		1072.60	51.59	-22.41	74	83.85	28.17	4.74	65.17	100	194	P	V
		1072.60	28.49	-25.51	54	60.75	28.17	4.74	65.17	100	194	A	V
		2782.60	49.93	-24.07	74	75.11	32.60	7.68	65.46	300	342	P	V
		2782.60	26.83	-27.17	54	52.01	32.60	7.68	65.46	300	342	A	V
		5565.40	53.62	-41.24	94.86	73.14	34.90	10.96	65.38	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



FSK 250Kbps (Band Edge @ 3m)

	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.5MHz		397.63	35.98	-10.02	46	43.52	21.66	2.91	32.11	-	-	P	H
		902.03	107.07	-	-	104.8	29.18	4.37	31.28	-	-	P	H
		32.91	35.24	-4.76	40	43.4	23.49	0.54	32.19	-	-	P	V
		902.03	114.44	-	-	112.17	29.18	4.37	31.28	-	-	P	V
915MHz		394.72	37.5	-8.5	46	45.16	21.55	2.9	32.11	-	-	P	H
		914.64	108.64	-	-	105.88	29.55	4.4	31.19	-	-	P	H
		32.91	33.91	-6.09	40	42.07	23.49	0.54	32.19	-	-	P	V
		914.64	115.32	-	-	112.56	29.55	4.4	31.19	-	-	P	V
927.5MHz		399.57	36.92	-9.08	46	44.37	21.74	2.92	32.11	-	-	P	H
		927.25	109.81	-	-	106.49	30	4.43	31.11	-	-	P	H
		404.42	34.87	-11.13	46	41.94	22.1	2.94	32.11	-	-	P	V
		927.25	116.48	-	-	113.16	30	4.43	31.11	-	-	P	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 												



FSK 250Kbps (Harmonic @ 3m)

	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.5MHz		1058.20	41.01	-32.99	74	73.05	28.41	4.71	65.16	-	-	P	H
		2707.00	49.43	-24.57	74	74.34	33.06	7.58	65.55	100	350	P	H
		2707.00	22.49	-31.51	54	47.40	33.06	7.58	65.55	100	350	A	H
		5414.20	49.24	-24.76	74	68.66	35.24	10.79	65.45	100	210	P	H
		5414.20	22.30	-31.70	54	41.72	35.24	10.79	65.45	100	210	A	H
		1050.40	44.12	-29.88	74	76.04	28.54	4.70	65.16	-	-	P	V
		2707.00	51.48	-22.52	74	76.39	33.06	7.58	65.55	300	16	P	V
		2707.00	23.10	-30.90	54	48.01	33.06	7.58	65.55	300	16	A	V
		5415.40	52.79	-21.21	74	72.21	35.24	10.79	65.45	300	321	P	V
		5415.40	25.85	-28.15	54	45.27	35.24	10.79	65.45	300	321	A	V
915MHz		1054.60	44.71	-29.29	74	76.70	28.47	4.70	65.16	-	-	P	H
		2744.80	52.09	-21.91	74	77.13	32.83	7.63	65.50	111	352	P	H
		2744.80	25.15	-28.85	54	50.19	32.83	7.63	65.50	111	352	A	H
		5489.80	54.73	-33.91	88.64	74.34	34.94	10.87	65.42	-	-	P	H
		1060.00	49.71	-24.29	74	81.77	28.38	4.72	65.16	-	-	P	V
		2744.80	51.86	-22.32	74	76.72	32.83	7.63	65.50	375	274	P	V
		2744.80	24.74	-29.26	54	49.78	32.83	7.63	65.50	375	274	A	V
		5489.80	55.41	-39.31	95.32	75.02	34.94	10.87	65.42	-	-	P	V
927.5MHz		1057.60	45.79	-28.21	74	77.82	28.42	4.71	65.16	-	-	P	H
		2782.60	50.72	-23.28	74	75.90	32.60	7.68	65.46	100	268	P	H
		2782.60	23.78	-30.22	54	48.96	32.60	7.68	65.46	100	268	A	H
		5565.40	51.96	-37.85	89.81	71.48	34.90	10.96	65.38	-	-	P	H
		1073.80	51.34	-22.66	74	83.61	28.15	4.75	65.17	-	-	P	V
		2782.60	51.20	-22.80	74	76.38	32.60	7.68	65.46	100	288	P	V
		2782.60	24.26	-29.74	54	49.44	32.60	7.68	65.46	100	288	A	V
		5565.40	53.64	-42.84	96.48	73.16	34.90	10.96	65.38	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
902.2MHz		2706.40	53.20	-20.80	74	78.11	33.06	7.58	65.55	331	262	P	H
		2706.40	37.06	-16.94	54	61.97	33.06	7.58	65.55	331	262	A	H

- Level(dBμV/m) = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2707MHz:

- Level(dBμV/m)
 = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 33.06(dB/m) + 7.58(dB) + 78.11(dBμV) – 65.55 (dB)
 = 53.20 (dBμV/m)
- Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 53.20(dBμV/m) – 74(dBμV/m)
 = -20.80(dB)

For Average Limit @ 2707MHz:

- AV Level(dBμV/m)
 = Peak Level(dBμV/m) +Duty cycle correction factor (dB)
 = 53.20 (dBμV/m) + (-16.14) (dB)
 = 37.06 (dBμV/m)
- Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 37.06(dBμV/m) – 54(dBμV/m)
 = -16.94(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

Note symbol

-L	Low channel location
-R	High channel location



**FSK 50Kbps FHSS
(Band Edge @ 3m)**

LoRa	902.2~927.6 Band Edge @ 3m																																																																																																													
ANT	FSK 50Kbps FHSS CH01 902.2																																																																																																													
	Horizontal	Vertical																																																																																																												
Peak	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pul/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Level</th> <th>Loss</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBμV/m</th> <th>dBμV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>382.11</td> <td>34.24</td> <td>-11.76</td> <td>46.00</td> <td>42.64</td> <td>2.85</td> <td>21.85</td> <td>32.18</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>982.83</td> <td>183.00</td> <td>.....</td> <td>188.73</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas	Freq	Level	Level	Loss	Loss	Factor	Factor				MHz	dBμV/m	dBμV/m	dB	dB	dB	dB	cm	deg		1	382.11	34.24	-11.76	46.00	42.64	2.85	21.85	32.18	---	Peak	HORIZONTAL	2 *	982.83	183.00	188.73	4.37	29.18	31.28	---	---	Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pul/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Level</th> <th>Loss</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBμV/m</th> <th>dBμV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>487.33</td> <td>33.28</td> <td>-12.00</td> <td>46.00</td> <td>40.04</td> <td>2.95</td> <td>22.32</td> <td>32.11</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>982.83</td> <td>112.99</td> <td>.....</td> <td>118.72</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas	Freq	Level	Level	Loss	Loss	Factor	Factor				MHz	dBμV/m	dBμV/m	dB	dB	dB	dB	cm	deg		1	487.33	33.28	-12.00	46.00	40.04	2.95	22.32	32.11	---	Peak	VERTICAL	2 *	982.83	112.99	118.72	4.37	29.18	31.28	---	---	Peak	VERTICAL
Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas																																																																																																					
Freq	Level	Level	Loss	Loss	Factor	Factor																																																																																																								
MHz	dBμV/m	dBμV/m	dB	dB	dB	dB	cm	deg																																																																																																						
1	382.11	34.24	-11.76	46.00	42.64	2.85	21.85	32.18	---	Peak	HORIZONTAL																																																																																																			
2 *	982.83	183.00	188.73	4.37	29.18	31.28	---	---	Peak	HORIZONTAL																																																																																																			
Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas																																																																																																					
Freq	Level	Level	Loss	Loss	Factor	Factor																																																																																																								
MHz	dBμV/m	dBμV/m	dB	dB	dB	dB	cm	deg																																																																																																						
1	487.33	33.28	-12.00	46.00	40.04	2.95	22.32	32.11	---	Peak	VERTICAL																																																																																																			
2 *	982.83	112.99	118.72	4.37	29.18	31.28	---	---	Peak	VERTICAL																																																																																																			



LoRa	902.2~927.6 Band Edge @ 3m																																																																																																													
ANT	FSK 50Kbps FHSS CH65 915																																																																																																													
	Horizontal	Vertical																																																																																																												
Peak	<p>Data: 2</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Po1/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>dB</th> <th>dB</th> <th>deg</th> <th></th> </tr> <tr> <th>MHz</th> <th>dBm/Vm</th> <th>dB</th> <th>dBm/Vm</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>492.45</td> <td>38.00</td> <td>-7.20</td> <td>46.00</td> <td>46.82</td> <td>2.93</td> <td>21.96</td> <td>32.11</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>188.36</td> <td>.....</td> <td>185.68</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Po1/Phas	Freq	Level	Line	Loss	Factor	Factor	dB	dB	deg		MHz	dBm/Vm	dB	dBm/Vm	dB	dB	dB	dB	deg		1	492.45	38.00	-7.20	46.00	46.82	2.93	21.96	32.11	---	Peak	HORIZONTAL	2 *	914.64	188.36	185.68	4.40	29.55	31.19	---	---	Peak	HORIZONTAL	<p>Data: 1</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Po1/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>dB</th> <th>dB</th> <th>deg</th> <th></th> </tr> <tr> <th>MHz</th> <th>dBm/Vm</th> <th>dB</th> <th>dBm/Vm</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>490.54</td> <td>35.74</td> <td>-10.26</td> <td>46.00</td> <td>43.12</td> <td>2.92</td> <td>21.81</td> <td>32.11</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>115.78</td> <td>.....</td> <td>113.82</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Po1/Phas	Freq	Level	Line	Loss	Factor	Factor	dB	dB	deg		MHz	dBm/Vm	dB	dBm/Vm	dB	dB	dB	dB	deg		1	490.54	35.74	-10.26	46.00	43.12	2.92	21.81	32.11	---	Peak	VERTICAL	2 *	914.64	115.78	113.82	4.40	29.55	31.19	---	---	Peak	VERTICAL
Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Po1/Phas																																																																																																					
Freq	Level	Line	Loss	Factor	Factor	dB	dB	deg																																																																																																						
MHz	dBm/Vm	dB	dBm/Vm	dB	dB	dB	dB	deg																																																																																																						
1	492.45	38.00	-7.20	46.00	46.82	2.93	21.96	32.11	---	Peak	HORIZONTAL																																																																																																			
2 *	914.64	188.36	185.68	4.40	29.55	31.19	---	---	Peak	HORIZONTAL																																																																																																			
Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Po1/Phas																																																																																																					
Freq	Level	Line	Loss	Factor	Factor	dB	dB	deg																																																																																																						
MHz	dBm/Vm	dB	dBm/Vm	dB	dB	dB	dB	deg																																																																																																						
1	490.54	35.74	-10.26	46.00	43.12	2.92	21.81	32.11	---	Peak	VERTICAL																																																																																																			
2 *	914.64	115.78	113.82	4.40	29.55	31.19	---	---	Peak	VERTICAL																																																																																																			



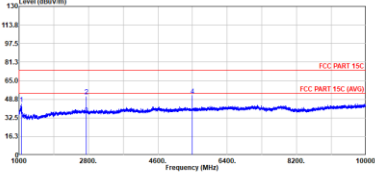
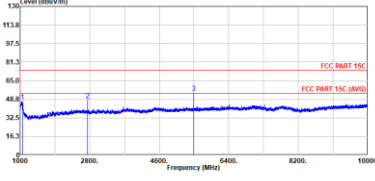
LoRa	902.2~927.6 Band Edge @ 3m																																																																																																													
ANT	FSK 50Kbps FHSS CH128 927.6																																																																																																													
	Horizontal	Vertical																																																																																																												
Peak	<p>Data 1</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>353.81</td> <td>32.64</td> <td>-13.36</td> <td>46.00</td> <td>42.20</td> <td>2.86</td> <td>29.50</td> <td>32.92</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>927.68</td> <td>188.15</td> <td>.....</td> <td>188.06</td> <td>4.66</td> <td>27.16</td> <td>31.73</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Loss	Factor	Factor	cm	deg		MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg		1	353.81	32.64	-13.36	46.00	42.20	2.86	29.50	32.92	---	Peak	HORIZONTAL	2 *	927.68	188.15	188.06	4.66	27.16	31.73	---	---	Peak	HORIZONTAL	<p>Data 2</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>401.51</td> <td>32.10</td> <td>-13.00</td> <td>46.00</td> <td>40.18</td> <td>3.86</td> <td>23.70</td> <td>32.84</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>927.68</td> <td>117.41</td> <td>.....</td> <td>117.32</td> <td>4.66</td> <td>27.16</td> <td>31.73</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Loss	Factor	Factor	cm	deg		MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg		1	401.51	32.10	-13.00	46.00	40.18	3.86	23.70	32.84	---	Peak	VERTICAL	2 *	927.68	117.41	117.32	4.66	27.16	31.73	---	---	Peak	VERTICAL
	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																				
Freq	Level	Line	Level	Loss	Factor	Factor	cm	deg																																																																																																						
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																																						
1	353.81	32.64	-13.36	46.00	42.20	2.86	29.50	32.92	---	Peak	HORIZONTAL																																																																																																			
2 *	927.68	188.15	188.06	4.66	27.16	31.73	---	---	Peak	HORIZONTAL																																																																																																			
Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																					
Freq	Level	Line	Level	Loss	Factor	Factor	cm	deg																																																																																																						
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																																						
1	401.51	32.10	-13.00	46.00	40.18	3.86	23.70	32.84	---	Peak	VERTICAL																																																																																																			
2 *	927.68	117.41	117.32	4.66	27.16	31.73	---	---	Peak	VERTICAL																																																																																																			



FSK 50Kbps FHSS (Harmonic @ 3m)

LoRa	902.2~927.6 Harmonic @ 3m																																																																																																																																																																									
ANT	FSK 50Kbps FHSS CH01 902.2																																																																																																																																																																									
	Horizontal	Vertical																																																																																																																																																																								
Peak	<table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1849.28</td> <td>43.96</td> <td>-39.04</td> <td>74.00</td> <td>75.86</td> <td>28.56</td> <td>4.69</td> <td>65.15</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2786.48</td> <td>53.28</td> <td>-29.68</td> <td>74.00</td> <td>75.13</td> <td>33.86</td> <td>7.58</td> <td>65.55</td> <td>0.00</td> <td>331</td> <td>263</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2786.48</td> <td>37.86</td> <td>-16.34</td> <td>54.00</td> <td>61.97</td> <td>33.86</td> <td>7.58</td> <td>65.55</td> <td>0.00</td> <td>331</td> <td>262</td> <td>Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5413.68</td> <td>51.59</td> <td>-22.41</td> <td>74.00</td> <td>71.09</td> <td>75.23</td> <td>10.79</td> <td>65.45</td> <td>0.00</td> <td>180</td> <td>287</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>5</td> <td>5413.68</td> <td>35.45</td> <td>-18.55</td> <td>54.00</td> <td>54.86</td> <td>35.25</td> <td>10.79</td> <td>65.45</td> <td>0.00</td> <td>180</td> <td>287</td> <td>Average</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase	1	1849.28	43.96	-39.04	74.00	75.86	28.56	4.69	65.15	0.00	--	--	Peak	HORIZONTAL	2	2786.48	53.28	-29.68	74.00	75.13	33.86	7.58	65.55	0.00	331	263	Peak	HORIZONTAL	3	2786.48	37.86	-16.34	54.00	61.97	33.86	7.58	65.55	0.00	331	262	Average	HORIZONTAL	4	5413.68	51.59	-22.41	74.00	71.09	75.23	10.79	65.45	0.00	180	287	Peak	HORIZONTAL	5	5413.68	35.45	-18.55	54.00	54.86	35.25	10.79	65.45	0.00	180	287	Average	HORIZONTAL	<table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1841.48</td> <td>48.52</td> <td>-25.48</td> <td>74.00</td> <td>80.29</td> <td>28.78</td> <td>4.68</td> <td>65.15</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2786.48</td> <td>58.16</td> <td>-13.84</td> <td>74.00</td> <td>75.87</td> <td>33.86</td> <td>7.58</td> <td>65.55</td> <td>0.00</td> <td>180</td> <td>293</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>2786.48</td> <td>34.82</td> <td>-19.98</td> <td>54.00</td> <td>58.93</td> <td>33.86</td> <td>7.58</td> <td>65.55</td> <td>0.00</td> <td>180</td> <td>293</td> <td>Average</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>5413.68</td> <td>52.87</td> <td>-11.13</td> <td>74.00</td> <td>72.08</td> <td>75.25</td> <td>10.79</td> <td>65.45</td> <td>0.00</td> <td>180</td> <td>43</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>5</td> <td>5413.68</td> <td>36.73</td> <td>-17.27</td> <td>54.00</td> <td>56.14</td> <td>35.25</td> <td>10.79</td> <td>65.45</td> <td>0.00</td> <td>180</td> <td>43</td> <td>Average</td> <td>VERTICAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase	1	1841.48	48.52	-25.48	74.00	80.29	28.78	4.68	65.15	0.00	--	--	Peak	VERTICAL	2	2786.48	58.16	-13.84	74.00	75.87	33.86	7.58	65.55	0.00	180	293	Peak	VERTICAL	3	2786.48	34.82	-19.98	54.00	58.93	33.86	7.58	65.55	0.00	180	293	Average	VERTICAL	4	5413.68	52.87	-11.13	74.00	72.08	75.25	10.79	65.45	0.00	180	43	Peak	VERTICAL	5	5413.68	36.73	-17.27	54.00	56.14	35.25	10.79	65.45	0.00	180	43	Average	VERTICAL
Peak	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																													
1	1849.28	43.96	-39.04	74.00	75.86	28.56	4.69	65.15	0.00	--	--	Peak	HORIZONTAL																																																																																																																																																													
2	2786.48	53.28	-29.68	74.00	75.13	33.86	7.58	65.55	0.00	331	263	Peak	HORIZONTAL																																																																																																																																																													
3	2786.48	37.86	-16.34	54.00	61.97	33.86	7.58	65.55	0.00	331	262	Average	HORIZONTAL																																																																																																																																																													
4	5413.68	51.59	-22.41	74.00	71.09	75.23	10.79	65.45	0.00	180	287	Peak	HORIZONTAL																																																																																																																																																													
5	5413.68	35.45	-18.55	54.00	54.86	35.25	10.79	65.45	0.00	180	287	Average	HORIZONTAL																																																																																																																																																													
Peak	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																													
1	1841.48	48.52	-25.48	74.00	80.29	28.78	4.68	65.15	0.00	--	--	Peak	VERTICAL																																																																																																																																																													
2	2786.48	58.16	-13.84	74.00	75.87	33.86	7.58	65.55	0.00	180	293	Peak	VERTICAL																																																																																																																																																													
3	2786.48	34.82	-19.98	54.00	58.93	33.86	7.58	65.55	0.00	180	293	Average	VERTICAL																																																																																																																																																													
4	5413.68	52.87	-11.13	74.00	72.08	75.25	10.79	65.45	0.00	180	43	Peak	VERTICAL																																																																																																																																																													
5	5413.68	36.73	-17.27	54.00	56.14	35.25	10.79	65.45	0.00	180	43	Average	VERTICAL																																																																																																																																																													



LoRa	902.2~927.6 Harmonic @ 3m																																																																																																																															
ANT	FSK 50Kbps FHSS CH65 915																																																																																																																															
	Horizontal	Vertical																																																																																																																														
Peak	 <table border="1" data-bbox="422 616 798 683"> <thead> <tr> <th>Line</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1893.00</td> <td>44.93</td> <td>-29.47</td> <td>74.00</td> <td>76.97</td> <td>28.41</td> <td>4.71</td> <td>65.16</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2744.08</td> <td>51.46</td> <td>-22.54</td> <td>74.00</td> <td>76.58</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>362</td> <td>248</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2744.08</td> <td>25.32</td> <td>-18.68</td> <td>54.00</td> <td>60.28</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>362</td> <td>248</td> <td>Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5489.00</td> <td>52.15</td> <td>-36.21</td> <td>88.36</td> <td>71.79</td> <td>34.94</td> <td>10.87</td> <td>65.42</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	1	1893.00	44.93	-29.47	74.00	76.97	28.41	4.71	65.16	0.00	--	--	Peak	HORIZONTAL	2	2744.08	51.46	-22.54	74.00	76.58	32.83	7.63	65.58	0.00	362	248	Peak	HORIZONTAL	3	2744.08	25.32	-18.68	54.00	60.28	32.83	7.63	65.58	0.00	362	248	Average	HORIZONTAL	4	5489.00	52.15	-36.21	88.36	71.79	34.94	10.87	65.42	0.00	--	--	Peak	HORIZONTAL	 <table border="1" data-bbox="896 616 1272 683"> <thead> <tr> <th>Line</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1893.00</td> <td>44.93</td> <td>-29.47</td> <td>74.00</td> <td>76.97</td> <td>28.41</td> <td>4.71</td> <td>65.16</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2744.08</td> <td>47.98</td> <td>-26.82</td> <td>74.00</td> <td>73.82</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>5489.00</td> <td>54.31</td> <td>-41.47</td> <td>95.78</td> <td>73.92</td> <td>34.94</td> <td>10.87</td> <td>65.42</td> <td>0.00</td> <td>--</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	1	1893.00	44.93	-29.47	74.00	76.97	28.41	4.71	65.16	0.00	--	--	Peak	VERTICAL	2	2744.08	47.98	-26.82	74.00	73.82	32.83	7.63	65.58	0.00	--	--	Peak	VERTICAL	3	5489.00	54.31	-41.47	95.78	73.92	34.94	10.87	65.42	0.00	--	--	Peak	VERTICAL
Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																			
1	1893.00	44.93	-29.47	74.00	76.97	28.41	4.71	65.16	0.00	--	--	Peak	HORIZONTAL																																																																																																																			
2	2744.08	51.46	-22.54	74.00	76.58	32.83	7.63	65.58	0.00	362	248	Peak	HORIZONTAL																																																																																																																			
3	2744.08	25.32	-18.68	54.00	60.28	32.83	7.63	65.58	0.00	362	248	Average	HORIZONTAL																																																																																																																			
4	5489.00	52.15	-36.21	88.36	71.79	34.94	10.87	65.42	0.00	--	--	Peak	HORIZONTAL																																																																																																																			
Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																			
1	1893.00	44.93	-29.47	74.00	76.97	28.41	4.71	65.16	0.00	--	--	Peak	VERTICAL																																																																																																																			
2	2744.08	47.98	-26.82	74.00	73.82	32.83	7.63	65.58	0.00	--	--	Peak	VERTICAL																																																																																																																			
3	5489.00	54.31	-41.47	95.78	73.92	34.94	10.87	65.42	0.00	--	--	Peak	VERTICAL																																																																																																																			



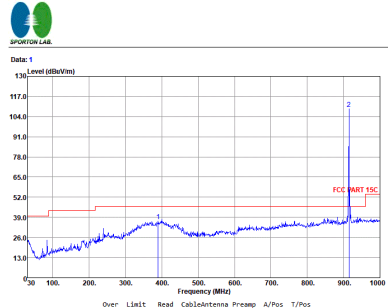
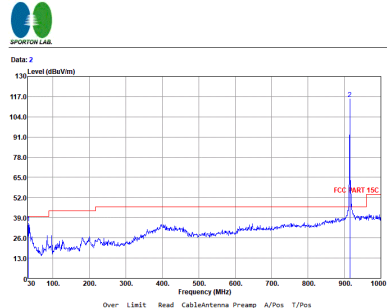
LoRa	902.2~927.6 Harmonic @ 3m																																																																																																																																																													
ANT	FSK 50Kbps FHSS CH129 927.6																																																																																																																																																													
	Horizontal	Vertical																																																																																																																																																												
Peak	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</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>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1064.00</td> <td>44.94</td> <td>-29.60</td> <td>74.00</td> <td>79.25</td> <td>27.17</td> <td>4.73</td> <td>65.17</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2782.08</td> <td>51.52</td> <td>-22.48</td> <td>74.00</td> <td>77.28</td> <td>32.10</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>100</td> <td>330</td> <td>Peak</td> </tr> <tr> <td>3</td> <td>2782.08</td> <td>35.38</td> <td>-18.62</td> <td>94.00</td> <td>61.00</td> <td>32.10</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>100</td> <td>330</td> <td>Average</td> </tr> <tr> <td>4</td> <td>5565.48</td> <td>53.28</td> <td>-34.95</td> <td>88.15</td> <td>72.82</td> <td>34.88</td> <td>18.96</td> <td>65.38</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB	cm	deg	1	1064.00	44.94	-29.60	74.00	79.25	27.17	4.73	65.17	0.00	--	Peak	HORIZONTAL	2	2782.08	51.52	-22.48	74.00	77.28	32.10	7.68	65.46	0.00	100	330	Peak	3	2782.08	35.38	-18.62	94.00	61.00	32.10	7.68	65.46	0.00	100	330	Average	4	5565.48	53.28	-34.95	88.15	72.82	34.88	18.96	65.38	0.00	--	Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</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>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1871.68</td> <td>48.19</td> <td>-25.75</td> <td>74.00</td> <td>83.68</td> <td>27.90</td> <td>4.74</td> <td>65.17</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2782.08</td> <td>52.95</td> <td>-21.05</td> <td>74.00</td> <td>79.43</td> <td>32.10</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>300</td> <td>326</td> <td>Peak</td> </tr> <tr> <td>3</td> <td>2782.08</td> <td>36.81</td> <td>-17.19</td> <td>94.00</td> <td>62.49</td> <td>32.10</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>300</td> <td>326</td> <td>Average</td> </tr> <tr> <td>4</td> <td>5565.48</td> <td>56.32</td> <td>-41.09</td> <td>97.41</td> <td>75.94</td> <td>34.88</td> <td>18.96</td> <td>65.38</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB	cm	deg	1	1871.68	48.19	-25.75	74.00	83.68	27.90	4.74	65.17	0.00	--	Peak	VERTICAL	2	2782.08	52.95	-21.05	74.00	79.43	32.10	7.68	65.46	0.00	300	326	Peak	3	2782.08	36.81	-17.19	94.00	62.49	32.10	7.68	65.46	0.00	300	326	Average	4	5565.48	56.32	-41.09	97.41	75.94	34.88	18.96	65.38	0.00	--	Peak	VERTICAL
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																																		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB	cm	deg																																																																																																																																																		
1	1064.00	44.94	-29.60	74.00	79.25	27.17	4.73	65.17	0.00	--	Peak	HORIZONTAL																																																																																																																																																		
2	2782.08	51.52	-22.48	74.00	77.28	32.10	7.68	65.46	0.00	100	330	Peak																																																																																																																																																		
3	2782.08	35.38	-18.62	94.00	61.00	32.10	7.68	65.46	0.00	100	330	Average																																																																																																																																																		
4	5565.48	53.28	-34.95	88.15	72.82	34.88	18.96	65.38	0.00	--	Peak	HORIZONTAL																																																																																																																																																		
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																																		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB	cm	deg																																																																																																																																																		
1	1871.68	48.19	-25.75	74.00	83.68	27.90	4.74	65.17	0.00	--	Peak	VERTICAL																																																																																																																																																		
2	2782.08	52.95	-21.05	74.00	79.43	32.10	7.68	65.46	0.00	300	326	Peak																																																																																																																																																		
3	2782.08	36.81	-17.19	94.00	62.49	32.10	7.68	65.46	0.00	300	326	Average																																																																																																																																																		
4	5565.48	56.32	-41.09	97.41	75.94	34.88	18.96	65.38	0.00	--	Peak	VERTICAL																																																																																																																																																		



FSK 150Kbps FHSS (Band Edge @ 3m)

LoRa	902.4~927.6 Band Edge @ 3m																																																																													
ANT	FSK 150Kbps FHSS CH01 902.4																																																																													
	Horizontal	Vertical																																																																												
Peak	<table border="1"> <thead> <tr> <th>Over</th> <th>L1</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Poi/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>458.98</td> <td>36.33</td> <td>-9.67</td> <td>46.00</td> <td>42.49</td> <td>3.89</td> <td>22.88</td> <td>32.13</td> <td>--- Peak HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>902.83</td> <td>116.91</td> <td>-----</td> <td>104.64</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>--- Peak HORIZONTAL</td> </tr> </tbody> </table>	Over	L1	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas	Freq	Level	Limit	Loss	Factor	Factor	cm	deg		1	458.98	36.33	-9.67	46.00	42.49	3.89	22.88	32.13	--- Peak HORIZONTAL	2 *	902.83	116.91	-----	104.64	4.37	29.18	31.28	---	--- Peak HORIZONTAL	<table border="1"> <thead> <tr> <th>Over</th> <th>L1</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Poi/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>84.32</td> <td>34.39</td> <td>-5.61</td> <td>49.00</td> <td>51.33</td> <td>1.24</td> <td>13.88</td> <td>32.06</td> <td>--- Peak VERTICAL</td> </tr> <tr> <td>2 *</td> <td>902.83</td> <td>114.66</td> <td>-----</td> <td>112.42</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>--- Peak VERTICAL</td> </tr> </tbody> </table>	Over	L1	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas	Freq	Level	Limit	Loss	Factor	Factor	cm	deg		1	84.32	34.39	-5.61	49.00	51.33	1.24	13.88	32.06	--- Peak VERTICAL	2 *	902.83	114.66	-----	112.42	4.37	29.18	31.28	---	--- Peak VERTICAL
Over	L1	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas																																																																						
Freq	Level	Limit	Loss	Factor	Factor	cm	deg																																																																							
1	458.98	36.33	-9.67	46.00	42.49	3.89	22.88	32.13	--- Peak HORIZONTAL																																																																					
2 *	902.83	116.91	-----	104.64	4.37	29.18	31.28	---	--- Peak HORIZONTAL																																																																					
Over	L1	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas																																																																						
Freq	Level	Limit	Loss	Factor	Factor	cm	deg																																																																							
1	84.32	34.39	-5.61	49.00	51.33	1.24	13.88	32.06	--- Peak VERTICAL																																																																					
2 *	902.83	114.66	-----	112.42	4.37	29.18	31.28	---	--- Peak VERTICAL																																																																					



LoRa	902.4~927.6 Band Edge @ 3m																																																																																																									
ANT	FSK 150Kbps FHSS CH32 914.8																																																																																																									
	Horizontal	Vertical																																																																																																								
<p>Peak</p>	 <table border="1" data-bbox="427 728 815 784"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>399.87</td> <td>36.42</td> <td>-9.58</td> <td>46.00</td> <td>44.29</td> <td>2.88</td> <td>21.35</td> <td>32.18</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>188.85</td> <td>.....</td> <td>186.09</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	cm	deg			1	399.87	36.42	-9.58	46.00	44.29	2.88	21.35	32.18	---	---	Peak	HORIZONTAL	2 *	914.64	188.85	186.09	4.40	29.55	31.19	---	---	---	Peak	HORIZONTAL	 <table border="1" data-bbox="901 728 1289 784"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>32.31</td> <td>35.52</td> <td>-4.48</td> <td>40.00</td> <td>43.68</td> <td>0.54</td> <td>23.49</td> <td>32.19</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>115.54</td> <td>.....</td> <td>112.78</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	cm	deg			1	32.31	35.52	-4.48	40.00	43.68	0.54	23.49	32.19	---	---	Peak	VERTICAL	2 *	914.64	115.54	112.78	4.40	29.55	31.19	---	---	---	Peak	VERTICAL
Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																														
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	cm	deg																																																																																																
1	399.87	36.42	-9.58	46.00	44.29	2.88	21.35	32.18	---	---	Peak	HORIZONTAL																																																																																														
2 *	914.64	188.85	186.09	4.40	29.55	31.19	---	---	---	Peak	HORIZONTAL																																																																																														
Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																														
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB/m	dB	cm	deg																																																																																																
1	32.31	35.52	-4.48	40.00	43.68	0.54	23.49	32.19	---	---	Peak	VERTICAL																																																																																														
2 *	914.64	115.54	112.78	4.40	29.55	31.19	---	---	---	Peak	VERTICAL																																																																																														



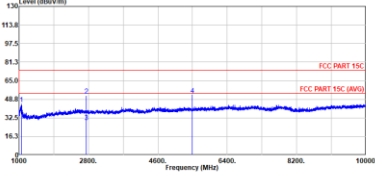
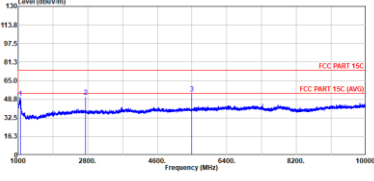
LoRa	902.4-927.6 Band Edge @ 3m																																																																																																			
ANT	FSK 150Kbps FHSS CH64 927.6																																																																																																			
	Horizontal	Vertical																																																																																																		
Peak	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pul/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>394.72</td> <td>37.25</td> <td>-8.75</td> <td>46.00</td> <td>45.51</td> <td>3.83</td> <td>21.55</td> <td>32.84</td> <td>--- Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>928.22</td> <td>187.25</td> <td>.....</td> <td>187.13</td> <td>4.66</td> <td>27.18</td> <td>31.72</td> <td>---</td> <td>--- Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas	Freq	Level	Line	Level	Loss	Factor	Factor			MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	394.72	37.25	-8.75	46.00	45.51	3.83	21.55	32.84	--- Peak	HORIZONTAL	2 *	928.22	187.25	187.13	4.66	27.18	31.72	---	--- Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pul/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>481.51</td> <td>34.18</td> <td>-11.08</td> <td>46.00</td> <td>42.18</td> <td>3.86</td> <td>23.79</td> <td>32.84</td> <td>--- Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>927.25</td> <td>114.88</td> <td>.....</td> <td>114.77</td> <td>4.66</td> <td>27.16</td> <td>31.73</td> <td>---</td> <td>--- Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas	Freq	Level	Line	Level	Loss	Factor	Factor			MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	481.51	34.18	-11.08	46.00	42.18	3.86	23.79	32.84	--- Peak	VERTICAL	2 *	927.25	114.88	114.77	4.66	27.16	31.73	---	--- Peak	VERTICAL
Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas																																																																																												
Freq	Level	Line	Level	Loss	Factor	Factor																																																																																														
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																												
1	394.72	37.25	-8.75	46.00	45.51	3.83	21.55	32.84	--- Peak	HORIZONTAL																																																																																										
2 *	928.22	187.25	187.13	4.66	27.18	31.72	---	--- Peak	HORIZONTAL																																																																																										
Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pul/Phas																																																																																												
Freq	Level	Line	Level	Loss	Factor	Factor																																																																																														
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																												
1	481.51	34.18	-11.08	46.00	42.18	3.86	23.79	32.84	--- Peak	VERTICAL																																																																																										
2 *	927.25	114.88	114.77	4.66	27.16	31.73	---	--- Peak	VERTICAL																																																																																										



FSK 150Kbps FHSS (Harmonic @ 3m)

LoRa	902.4~927.6 Harmonic @ 3m																																																																																																																																																																																							
ANT	FSK 150Kbps FHSS CH01 902.4																																																																																																																																																																																							
	Horizontal	Vertical																																																																																																																																																																																						
Peak	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>dBuV/m</th> <th>dB</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1848.68</td> <td>48.84</td> <td>-33.16</td> <td>74.00</td> <td>72.73</td> <td>28.57</td> <td>4.69</td> <td>85.15</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2786.48</td> <td>51.16</td> <td>-32.14</td> <td>74.00</td> <td>76.17</td> <td>33.86</td> <td>7.18</td> <td>85.15</td> <td>0.00</td> <td>118</td> <td>248 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2786.48</td> <td>23.16</td> <td>-25.84</td> <td>54.00</td> <td>53.87</td> <td>33.86</td> <td>7.18</td> <td>85.15</td> <td>0.00</td> <td>118</td> <td>248 Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5413.68</td> <td>51.51</td> <td>-22.69</td> <td>74.00</td> <td>79.23</td> <td>35.23</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>100</td> <td>291 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>5</td> <td>5413.68</td> <td>28.41</td> <td>-25.59</td> <td>54.00</td> <td>47.82</td> <td>35.23</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>100</td> <td>291 Average</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase		dBuV/m	dB	Line	Level	Factor	Loss	Factor	Factor					1	1848.68	48.84	-33.16	74.00	72.73	28.57	4.69	85.15	0.00	--	Peak	HORIZONTAL	2	2786.48	51.16	-32.14	74.00	76.17	33.86	7.18	85.15	0.00	118	248 Peak	HORIZONTAL	3	2786.48	23.16	-25.84	54.00	53.87	33.86	7.18	85.15	0.00	118	248 Average	HORIZONTAL	4	5413.68	51.51	-22.69	74.00	79.23	35.23	10.79	85.45	0.00	100	291 Peak	HORIZONTAL	5	5413.68	28.41	-25.59	54.00	47.82	35.23	10.79	85.45	0.00	100	291 Average	HORIZONTAL	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>dBuV/m</th> <th>dB</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1842.88</td> <td>46.83</td> <td>-27.57</td> <td>74.00</td> <td>77.81</td> <td>28.69</td> <td>4.68</td> <td>85.15</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2786.48</td> <td>49.14</td> <td>-24.86</td> <td>74.00</td> <td>74.85</td> <td>33.86</td> <td>7.18</td> <td>85.15</td> <td>0.00</td> <td>180</td> <td>296 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>2786.48</td> <td>26.84</td> <td>-27.86</td> <td>54.00</td> <td>50.95</td> <td>33.86</td> <td>7.18</td> <td>85.15</td> <td>0.00</td> <td>180</td> <td>296 Average</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>5413.68</td> <td>51.59</td> <td>-22.87</td> <td>74.00</td> <td>71.34</td> <td>35.23</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>295</td> <td>324 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>5</td> <td>5413.68</td> <td>28.83</td> <td>-25.17</td> <td>54.00</td> <td>48.24</td> <td>35.23</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>295</td> <td>324 Average</td> <td>VERTICAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase		dBuV/m	dB	Line	Level	Factor	Loss	Factor	Factor					1	1842.88	46.83	-27.57	74.00	77.81	28.69	4.68	85.15	0.00	--	Peak	VERTICAL	2	2786.48	49.14	-24.86	74.00	74.85	33.86	7.18	85.15	0.00	180	296 Peak	VERTICAL	3	2786.48	26.84	-27.86	54.00	50.95	33.86	7.18	85.15	0.00	180	296 Average	VERTICAL	4	5413.68	51.59	-22.87	74.00	71.34	35.23	10.79	85.45	0.00	295	324 Peak	VERTICAL	5	5413.68	28.83	-25.17	54.00	48.24	35.23	10.79	85.45	0.00	295	324 Average	VERTICAL
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																																												
	dBuV/m	dB	Line	Level	Factor	Loss	Factor	Factor																																																																																																																																																																																
1	1848.68	48.84	-33.16	74.00	72.73	28.57	4.69	85.15	0.00	--	Peak	HORIZONTAL																																																																																																																																																																												
2	2786.48	51.16	-32.14	74.00	76.17	33.86	7.18	85.15	0.00	118	248 Peak	HORIZONTAL																																																																																																																																																																												
3	2786.48	23.16	-25.84	54.00	53.87	33.86	7.18	85.15	0.00	118	248 Average	HORIZONTAL																																																																																																																																																																												
4	5413.68	51.51	-22.69	74.00	79.23	35.23	10.79	85.45	0.00	100	291 Peak	HORIZONTAL																																																																																																																																																																												
5	5413.68	28.41	-25.59	54.00	47.82	35.23	10.79	85.45	0.00	100	291 Average	HORIZONTAL																																																																																																																																																																												
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																																												
	dBuV/m	dB	Line	Level	Factor	Loss	Factor	Factor																																																																																																																																																																																
1	1842.88	46.83	-27.57	74.00	77.81	28.69	4.68	85.15	0.00	--	Peak	VERTICAL																																																																																																																																																																												
2	2786.48	49.14	-24.86	74.00	74.85	33.86	7.18	85.15	0.00	180	296 Peak	VERTICAL																																																																																																																																																																												
3	2786.48	26.84	-27.86	54.00	50.95	33.86	7.18	85.15	0.00	180	296 Average	VERTICAL																																																																																																																																																																												
4	5413.68	51.59	-22.87	74.00	71.34	35.23	10.79	85.45	0.00	295	324 Peak	VERTICAL																																																																																																																																																																												
5	5413.68	28.83	-25.17	54.00	48.24	35.23	10.79	85.45	0.00	295	324 Average	VERTICAL																																																																																																																																																																												



LoRa	902.4~927.6 Harmonic @ 3m																																																																																																																						
ANT	FSK 150Kbps FHSS CH32 914.8																																																																																																																						
	Horizontal	Vertical																																																																																																																					
Peak	 <table border="1" data-bbox="422 616 821 683"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Po1/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1937.00</td> <td>44.82</td> <td>-25.18</td> <td>74.00</td> <td>71.05</td> <td>28.42</td> <td>4.71</td> <td>65.16</td> <td>0.00</td> <td>113</td> <td>263 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2744.28</td> <td>51.83</td> <td>-22.17</td> <td>74.00</td> <td>71.87</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>113</td> <td>263 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2744.28</td> <td>28.73</td> <td>-25.27</td> <td>54.00</td> <td>51.77</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>113</td> <td>263 Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5489.28</td> <td>52.48</td> <td>-36.45</td> <td>88.85</td> <td>72.81</td> <td>34.94</td> <td>18.87</td> <td>65.42</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Po1/Phase	1	1937.00	44.82	-25.18	74.00	71.05	28.42	4.71	65.16	0.00	113	263 Peak	HORIZONTAL	2	2744.28	51.83	-22.17	74.00	71.87	32.83	7.63	65.58	0.00	113	263 Peak	HORIZONTAL	3	2744.28	28.73	-25.27	54.00	51.77	32.83	7.63	65.58	0.00	113	263 Average	HORIZONTAL	4	5489.28	52.48	-36.45	88.85	72.81	34.94	18.87	65.42	0.00	--	Peak	HORIZONTAL	 <table border="1" data-bbox="898 616 1297 683"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Po1/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1803.208</td> <td>49.89</td> <td>-24.11</td> <td>74.00</td> <td>63.93</td> <td>28.34</td> <td>4.72</td> <td>65.16</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2744.28</td> <td>58.84</td> <td>-23.16</td> <td>74.00</td> <td>75.88</td> <td>32.83</td> <td>7.63</td> <td>65.58</td> <td>0.00</td> <td>300</td> <td>296 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>5489.28</td> <td>54.17</td> <td>-41.37</td> <td>95.94</td> <td>73.78</td> <td>34.94</td> <td>18.87</td> <td>65.42</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Po1/Phase	1	1803.208	49.89	-24.11	74.00	63.93	28.34	4.72	65.16	0.00	--	Peak	VERTICAL	2	2744.28	58.84	-23.16	74.00	75.88	32.83	7.63	65.58	0.00	300	296 Peak	VERTICAL	3	5489.28	54.17	-41.37	95.94	73.78	34.94	18.87	65.42	0.00	--	Peak	VERTICAL
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Po1/Phase																																																																																																											
1	1937.00	44.82	-25.18	74.00	71.05	28.42	4.71	65.16	0.00	113	263 Peak	HORIZONTAL																																																																																																											
2	2744.28	51.83	-22.17	74.00	71.87	32.83	7.63	65.58	0.00	113	263 Peak	HORIZONTAL																																																																																																											
3	2744.28	28.73	-25.27	54.00	51.77	32.83	7.63	65.58	0.00	113	263 Average	HORIZONTAL																																																																																																											
4	5489.28	52.48	-36.45	88.85	72.81	34.94	18.87	65.42	0.00	--	Peak	HORIZONTAL																																																																																																											
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Po1/Phase																																																																																																											
1	1803.208	49.89	-24.11	74.00	63.93	28.34	4.72	65.16	0.00	--	Peak	VERTICAL																																																																																																											
2	2744.28	58.84	-23.16	74.00	75.88	32.83	7.63	65.58	0.00	300	296 Peak	VERTICAL																																																																																																											
3	5489.28	54.17	-41.37	95.94	73.78	34.94	18.87	65.42	0.00	--	Peak	VERTICAL																																																																																																											



LoRa	902.4~927.6 Harmonic @ 3m																																																																																																																																																
ANT	FSK 150Kbps FHSS CH64 927.6																																																																																																																																																
	Horizontal	Vertical																																																																																																																																															
Peak	<table border="1"> <thead> <tr> <th>Line</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> <tr> <th>1</th> <th>1873.00</th> <th>45.95</th> <th>-28.80</th> <th>74.00</th> <th>75.22</th> <th>28.15</th> <th>4.75</th> <th>65.17</th> <th>0.00</th> <th>180</th> <th>342 Peak</th> <th>HORIZONTAL</th> </tr> <tr> <th>2</th> <th>2782.68</th> <th>58.73</th> <th>-23.27</th> <th>74.00</th> <th>75.91</th> <th>32.48</th> <th>7.68</th> <th>65.46</th> <th>0.00</th> <th>180</th> <th>253 Peak</th> <th>HORIZONTAL</th> </tr> <tr> <th>3</th> <th>2782.68</th> <th>27.63</th> <th>-26.37</th> <th>54.00</th> <th>52.63</th> <th>32.68</th> <th>7.68</th> <th>65.46</th> <th>0.00</th> <th>180</th> <th>253 Average</th> <th>HORIZONTAL</th> </tr> <tr> <th>4</th> <th>5565.48</th> <th>52.56</th> <th>-34.69</th> <th>87.25</th> <th>72.88</th> <th>54.98</th> <th>18.96</th> <th>65.38</th> <th>0.00</th> <th>--</th> <th>-- Peak</th> <th>HORIZONTAL</th> </tr> </thead> </table>	Line	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	1	1873.00	45.95	-28.80	74.00	75.22	28.15	4.75	65.17	0.00	180	342 Peak	HORIZONTAL	2	2782.68	58.73	-23.27	74.00	75.91	32.48	7.68	65.46	0.00	180	253 Peak	HORIZONTAL	3	2782.68	27.63	-26.37	54.00	52.63	32.68	7.68	65.46	0.00	180	253 Average	HORIZONTAL	4	5565.48	52.56	-34.69	87.25	72.88	54.98	18.96	65.38	0.00	--	-- Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Line</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> <tr> <th>1</th> <th>1873.00</th> <th>51.59</th> <th>-32.81</th> <th>74.00</th> <th>83.85</th> <th>28.17</th> <th>4.74</th> <th>65.17</th> <th>0.00</th> <th>180</th> <th>194 Peak</th> <th>VERTICAL</th> </tr> <tr> <th>2</th> <th>1873.00</th> <th>28.49</th> <th>-25.51</th> <th>54.00</th> <th>66.75</th> <th>28.17</th> <th>4.74</th> <th>65.17</th> <th>0.00</th> <th>180</th> <th>194 Average</th> <th>VERTICAL</th> </tr> <tr> <th>3</th> <th>2782.68</th> <th>49.83</th> <th>-24.87</th> <th>74.00</th> <th>75.11</th> <th>32.68</th> <th>7.68</th> <th>65.46</th> <th>0.00</th> <th>300</th> <th>342 Peak</th> <th>VERTICAL</th> </tr> <tr> <th>4</th> <th>2782.68</th> <th>26.83</th> <th>-27.17</th> <th>54.00</th> <th>52.81</th> <th>32.68</th> <th>7.68</th> <th>65.46</th> <th>0.00</th> <th>300</th> <th>342 Average</th> <th>VERTICAL</th> </tr> <tr> <th>5</th> <th>5565.48</th> <th>53.62</th> <th>-41.28</th> <th>94.80</th> <th>73.14</th> <th>54.98</th> <th>18.96</th> <th>65.38</th> <th>0.00</th> <th>--</th> <th>-- Peak</th> <th>VERTICAL</th> </tr> </thead> </table>	Line	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase	1	1873.00	51.59	-32.81	74.00	83.85	28.17	4.74	65.17	0.00	180	194 Peak	VERTICAL	2	1873.00	28.49	-25.51	54.00	66.75	28.17	4.74	65.17	0.00	180	194 Average	VERTICAL	3	2782.68	49.83	-24.87	74.00	75.11	32.68	7.68	65.46	0.00	300	342 Peak	VERTICAL	4	2782.68	26.83	-27.17	54.00	52.81	32.68	7.68	65.46	0.00	300	342 Average	VERTICAL	5	5565.48	53.62	-41.28	94.80	73.14	54.98	18.96	65.38	0.00	--	-- Peak	VERTICAL
Line	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																					
1	1873.00	45.95	-28.80	74.00	75.22	28.15	4.75	65.17	0.00	180	342 Peak	HORIZONTAL																																																																																																																																					
2	2782.68	58.73	-23.27	74.00	75.91	32.48	7.68	65.46	0.00	180	253 Peak	HORIZONTAL																																																																																																																																					
3	2782.68	27.63	-26.37	54.00	52.63	32.68	7.68	65.46	0.00	180	253 Average	HORIZONTAL																																																																																																																																					
4	5565.48	52.56	-34.69	87.25	72.88	54.98	18.96	65.38	0.00	--	-- Peak	HORIZONTAL																																																																																																																																					
Line	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																					
1	1873.00	51.59	-32.81	74.00	83.85	28.17	4.74	65.17	0.00	180	194 Peak	VERTICAL																																																																																																																																					
2	1873.00	28.49	-25.51	54.00	66.75	28.17	4.74	65.17	0.00	180	194 Average	VERTICAL																																																																																																																																					
3	2782.68	49.83	-24.87	74.00	75.11	32.68	7.68	65.46	0.00	300	342 Peak	VERTICAL																																																																																																																																					
4	2782.68	26.83	-27.17	54.00	52.81	32.68	7.68	65.46	0.00	300	342 Average	VERTICAL																																																																																																																																					
5	5565.48	53.62	-41.28	94.80	73.14	54.98	18.96	65.38	0.00	--	-- Peak	VERTICAL																																																																																																																																					



FSK 250Kbps FHSS (Band Edge @ 3m)

LoRa	902.5~927.5 Band Edge @ 3m																																																																																	
ANT	FSK 250Kbps FHSS CH01 902.5																																																																																	
	Horizontal	Vertical																																																																																
Peak	<table border="1"> <thead> <tr> <th>Over</th> <th>L1/Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Poi/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>397.63</td> <td>35.98</td> <td>-18.82</td> <td>46.00</td> <td>43.52</td> <td>2.91</td> <td>21.66</td> <td>32.11</td> <td>--- Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>902.83</td> <td>187.87</td> <td>-----</td> <td>104.88</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>--- Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	L1/Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas	Freq	Level	Limit	Loss	Factor	Factor	cm	deg		1	397.63	35.98	-18.82	46.00	43.52	2.91	21.66	32.11	--- Peak	HORIZONTAL	2	902.83	187.87	-----	104.88	4.37	29.18	31.28	---	--- Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Over</th> <th>L1/Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Poi/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>32.91</td> <td>35.24</td> <td>-4.76</td> <td>48.00</td> <td>43.40</td> <td>0.54</td> <td>23.49</td> <td>32.19</td> <td>--- Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>902.83</td> <td>114.44</td> <td>-----</td> <td>112.17</td> <td>4.37</td> <td>29.18</td> <td>31.28</td> <td>---</td> <td>--- Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Over	L1/Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas	Freq	Level	Limit	Loss	Factor	Factor	cm	deg		1	32.91	35.24	-4.76	48.00	43.40	0.54	23.49	32.19	--- Peak	VERTICAL	2	902.83	114.44	-----	112.17	4.37	29.18	31.28	---	--- Peak	VERTICAL
Over	L1/Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas																																																																										
Freq	Level	Limit	Loss	Factor	Factor	cm	deg																																																																											
1	397.63	35.98	-18.82	46.00	43.52	2.91	21.66	32.11	--- Peak	HORIZONTAL																																																																								
2	902.83	187.87	-----	104.88	4.37	29.18	31.28	---	--- Peak	HORIZONTAL																																																																								
Over	L1/Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Poi/Phas																																																																										
Freq	Level	Limit	Loss	Factor	Factor	cm	deg																																																																											
1	32.91	35.24	-4.76	48.00	43.40	0.54	23.49	32.19	--- Peak	VERTICAL																																																																								
2	902.83	114.44	-----	112.17	4.37	29.18	31.28	---	--- Peak	VERTICAL																																																																								



LoRa	902.5-927.5 Band Edge @ 3m																																																																																																									
ANT	FSK 250Kbps FHSS CH26 915																																																																																																									
	Horizontal	Vertical																																																																																																								
Peak	<p>SPORTON LAB.</p> <p>Data: 2</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>394.72</td> <td>37.50</td> <td>-8.50</td> <td>46.00</td> <td>45.16</td> <td>2.90</td> <td>21.55</td> <td>32.11</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>188.64</td> <td>.....</td> <td>185.88</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>---</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor	cm	deg			1	394.72	37.50	-8.50	46.00	45.16	2.90	21.55	32.11	---	---	Peak	HORIZONTAL	2 *	914.64	188.64	185.88	4.40	29.55	31.19	---	---	---	Peak	HORIZONTAL	<p>SPORTON LAB.</p> <p>Data: 1</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable</th> <th>Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>32.31</td> <td>35.91</td> <td>-6.09</td> <td>40.00</td> <td>42.07</td> <td>0.54</td> <td>23.49</td> <td>32.19</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2 *</td> <td>914.64</td> <td>115.32</td> <td>.....</td> <td>112.56</td> <td>4.40</td> <td>29.55</td> <td>31.19</td> <td>---</td> <td>---</td> <td>---</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor	cm	deg			1	32.31	35.91	-6.09	40.00	42.07	0.54	23.49	32.19	---	---	Peak	VERTICAL	2 *	914.64	115.32	112.56	4.40	29.55	31.19	---	---	---	Peak	VERTICAL
Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																														
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor	cm	deg																																																																																																
1	394.72	37.50	-8.50	46.00	45.16	2.90	21.55	32.11	---	---	Peak	HORIZONTAL																																																																																														
2 *	914.64	188.64	185.88	4.40	29.55	31.19	---	---	---	Peak	HORIZONTAL																																																																																														
Peak	Freq	Level	Over	Limit	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																														
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor	cm	deg																																																																																																
1	32.31	35.91	-6.09	40.00	42.07	0.54	23.49	32.19	---	---	Peak	VERTICAL																																																																																														
2 *	914.64	115.32	112.56	4.40	29.55	31.19	---	---	---	Peak	VERTICAL																																																																																														



LoRa	902.5-927.5 Band Edge @ 3m																																																																																															
ANT	FSK 250Kbps FHSS CH57 927.5																																																																																															
	Horizontal	Vertical																																																																																														
Peak	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>399.57</td> <td>36.92</td> <td>-9.86</td> <td>46.00</td> <td>44.37</td> <td>2.92</td> <td>21.74</td> <td>32.11</td> <td>--- Peak HORIZONTAL</td> </tr> <tr> <td>2 *</td> <td>927.25</td> <td>189.81</td> <td>.....</td> <td>186.49</td> <td>4.43</td> <td>38.88</td> <td>31.11</td> <td>---</td> <td>--- Peak HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Loss	Factor	Factor			MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	399.57	36.92	-9.86	46.00	44.37	2.92	21.74	32.11	--- Peak HORIZONTAL	2 *	927.25	189.81	186.49	4.43	38.88	31.11	---	--- Peak HORIZONTAL	<table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>Read</th> <th>Cable/Antenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> <th></th> <th></th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>404.42</td> <td>34.87</td> <td>-11.13</td> <td>46.00</td> <td>41.94</td> <td>2.94</td> <td>22.10</td> <td>32.11</td> <td>--- Peak VERTICAL</td> </tr> <tr> <td>2 *</td> <td>927.25</td> <td>116.48</td> <td>.....</td> <td>113.16</td> <td>4.43</td> <td>38.88</td> <td>31.11</td> <td>---</td> <td>--- Peak VERTICAL</td> </tr> </tbody> </table>	Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Loss	Factor	Factor			MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	404.42	34.87	-11.13	46.00	41.94	2.94	22.10	32.11	--- Peak VERTICAL	2 *	927.25	116.48	113.16	4.43	38.88	31.11	---	--- Peak VERTICAL
Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																								
Freq	Level	Line	Level	Loss	Factor	Factor																																																																																										
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																								
1	399.57	36.92	-9.86	46.00	44.37	2.92	21.74	32.11	--- Peak HORIZONTAL																																																																																							
2 *	927.25	189.81	186.49	4.43	38.88	31.11	---	--- Peak HORIZONTAL																																																																																							
Over	Limit	Read	Cable/Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																								
Freq	Level	Line	Level	Loss	Factor	Factor																																																																																										
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																																																																																								
1	404.42	34.87	-11.13	46.00	41.94	2.94	22.10	32.11	--- Peak VERTICAL																																																																																							
2 *	927.25	116.48	113.16	4.43	38.88	31.11	---	--- Peak VERTICAL																																																																																							



FSK 250Kbps FHSS (Harmonic @ 3m)

LoRa	902.5~927.5 Harmonic @ 3m																																																																																																																																																													
ANT	FSK 250Kbps FHSS CH01 902.5																																																																																																																																																													
	Horizontal	Vertical																																																																																																																																																												
Peak	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1850.28</td> <td>41.81</td> <td>-32.99</td> <td>74.00</td> <td>73.85</td> <td>28.41</td> <td>4.71</td> <td>85.16</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2787.00</td> <td>45.43</td> <td>-24.57</td> <td>74.00</td> <td>74.14</td> <td>33.86</td> <td>7.58</td> <td>85.55</td> <td>0.00</td> <td>180</td> <td>350 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2787.00</td> <td>22.49</td> <td>-31.51</td> <td>54.00</td> <td>47.40</td> <td>33.86</td> <td>7.58</td> <td>85.55</td> <td>0.00</td> <td>180</td> <td>350 Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5414.28</td> <td>45.24</td> <td>-24.76</td> <td>74.00</td> <td>65.65</td> <td>35.24</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>180</td> <td>230 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>5</td> <td>5414.28</td> <td>22.38</td> <td>-31.70</td> <td>54.00</td> <td>41.72</td> <td>35.24</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>180</td> <td>230 Average</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase	1	1850.28	41.81	-32.99	74.00	73.85	28.41	4.71	85.16	0.00	--	Peak	HORIZONTAL	2	2787.00	45.43	-24.57	74.00	74.14	33.86	7.58	85.55	0.00	180	350 Peak	HORIZONTAL	3	2787.00	22.49	-31.51	54.00	47.40	33.86	7.58	85.55	0.00	180	350 Average	HORIZONTAL	4	5414.28	45.24	-24.76	74.00	65.65	35.24	10.79	85.45	0.00	180	230 Peak	HORIZONTAL	5	5414.28	22.38	-31.70	54.00	41.72	35.24	10.79	85.45	0.00	180	230 Average	HORIZONTAL	<table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1850.40</td> <td>44.12</td> <td>-29.88</td> <td>74.00</td> <td>76.04</td> <td>28.54</td> <td>4.70</td> <td>85.16</td> <td>0.00</td> <td>--</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2787.00</td> <td>51.40</td> <td>-21.50</td> <td>74.00</td> <td>76.30</td> <td>33.86</td> <td>7.58</td> <td>85.55</td> <td>0.00</td> <td>300</td> <td>18 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>2787.00</td> <td>23.18</td> <td>-30.80</td> <td>54.00</td> <td>48.01</td> <td>33.86</td> <td>7.58</td> <td>85.55</td> <td>0.00</td> <td>300</td> <td>18 Average</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>5415.40</td> <td>52.79</td> <td>-21.21</td> <td>74.00</td> <td>72.21</td> <td>35.24</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>300</td> <td>321 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>5</td> <td>5415.40</td> <td>25.85</td> <td>-28.15</td> <td>54.00</td> <td>45.27</td> <td>35.24</td> <td>10.79</td> <td>85.45</td> <td>0.00</td> <td>300</td> <td>321 Average</td> <td>VERTICAL</td> </tr> </tbody> </table>	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase	1	1850.40	44.12	-29.88	74.00	76.04	28.54	4.70	85.16	0.00	--	Peak	VERTICAL	2	2787.00	51.40	-21.50	74.00	76.30	33.86	7.58	85.55	0.00	300	18 Peak	VERTICAL	3	2787.00	23.18	-30.80	54.00	48.01	33.86	7.58	85.55	0.00	300	18 Average	VERTICAL	4	5415.40	52.79	-21.21	74.00	72.21	35.24	10.79	85.45	0.00	300	321 Peak	VERTICAL	5	5415.40	25.85	-28.15	54.00	45.27	35.24	10.79	85.45	0.00	300	321 Average	VERTICAL
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																		
1	1850.28	41.81	-32.99	74.00	73.85	28.41	4.71	85.16	0.00	--	Peak	HORIZONTAL																																																																																																																																																		
2	2787.00	45.43	-24.57	74.00	74.14	33.86	7.58	85.55	0.00	180	350 Peak	HORIZONTAL																																																																																																																																																		
3	2787.00	22.49	-31.51	54.00	47.40	33.86	7.58	85.55	0.00	180	350 Average	HORIZONTAL																																																																																																																																																		
4	5414.28	45.24	-24.76	74.00	65.65	35.24	10.79	85.45	0.00	180	230 Peak	HORIZONTAL																																																																																																																																																		
5	5414.28	22.38	-31.70	54.00	41.72	35.24	10.79	85.45	0.00	180	230 Average	HORIZONTAL																																																																																																																																																		
Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Pol/Phase																																																																																																																																																		
1	1850.40	44.12	-29.88	74.00	76.04	28.54	4.70	85.16	0.00	--	Peak	VERTICAL																																																																																																																																																		
2	2787.00	51.40	-21.50	74.00	76.30	33.86	7.58	85.55	0.00	300	18 Peak	VERTICAL																																																																																																																																																		
3	2787.00	23.18	-30.80	54.00	48.01	33.86	7.58	85.55	0.00	300	18 Average	VERTICAL																																																																																																																																																		
4	5415.40	52.79	-21.21	74.00	72.21	35.24	10.79	85.45	0.00	300	321 Peak	VERTICAL																																																																																																																																																		
5	5415.40	25.85	-28.15	54.00	45.27	35.24	10.79	85.45	0.00	300	321 Average	VERTICAL																																																																																																																																																		



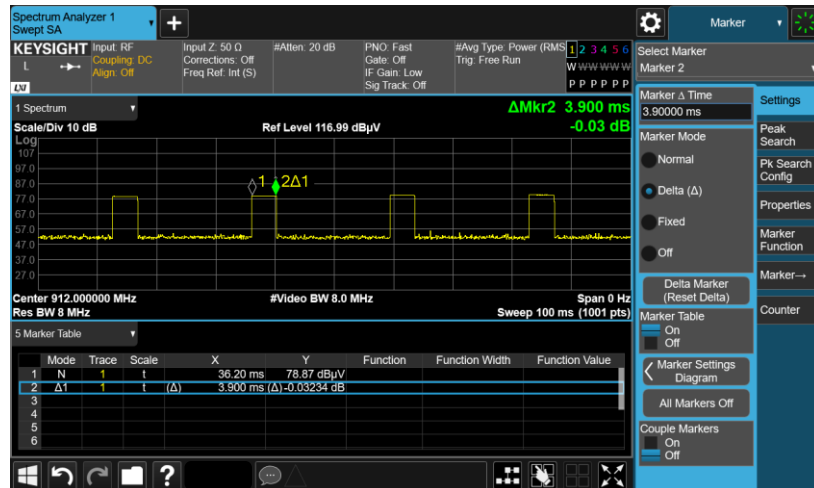
LoRa	902.5~927.5 Harmonic @ 3m																																																																																																															
ANT	FSK 250Kbps FHSS CH26 915																																																																																																															
	Horizontal	Vertical																																																																																																														
Peak	<table border="1"> <thead> <tr> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Ant Loss</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Aux Factor</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1094.00</td> <td>44.71</td> <td>-29.19</td> <td>74.00</td> <td>70.70</td> <td>28.47</td> <td>4.70</td> <td>65.16</td> <td>0.00</td> <td>-- Peak HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2744.00</td> <td>51.69</td> <td>-21.91</td> <td>74.00</td> <td>77.13</td> <td>32.83</td> <td>7.63</td> <td>65.50</td> <td>0.00</td> <td>111 352 Peak HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2744.00</td> <td>25.15</td> <td>-20.55</td> <td>64.00</td> <td>50.19</td> <td>32.83</td> <td>7.63</td> <td>65.50</td> <td>0.00</td> <td>111 352 Average HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5489.00</td> <td>54.73</td> <td>-33.91</td> <td>88.64</td> <td>74.34</td> <td>34.94</td> <td>10.87</td> <td>65.42</td> <td>0.00</td> <td>-- Peak HORIZONTAL</td> </tr> </tbody> </table>	Line	Level	Factor	Ant Loss	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	PoI/Phase	1	1094.00	44.71	-29.19	74.00	70.70	28.47	4.70	65.16	0.00	-- Peak HORIZONTAL	2	2744.00	51.69	-21.91	74.00	77.13	32.83	7.63	65.50	0.00	111 352 Peak HORIZONTAL	3	2744.00	25.15	-20.55	64.00	50.19	32.83	7.63	65.50	0.00	111 352 Average HORIZONTAL	4	5489.00	54.73	-33.91	88.64	74.34	34.94	10.87	65.42	0.00	-- Peak HORIZONTAL	<table border="1"> <thead> <tr> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Ant Loss</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Aux Factor</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1094.00</td> <td>49.71</td> <td>-34.29</td> <td>74.00</td> <td>63.77</td> <td>28.38</td> <td>4.72</td> <td>65.16</td> <td>0.00</td> <td>-- Peak VERTICAL</td> </tr> <tr> <td>2</td> <td>2744.00</td> <td>51.68</td> <td>-22.32</td> <td>74.00</td> <td>76.72</td> <td>32.83</td> <td>7.63</td> <td>65.50</td> <td>0.00</td> <td>375 274 Peak VERTICAL</td> </tr> <tr> <td>3</td> <td>2744.00</td> <td>24.74</td> <td>-20.26</td> <td>64.00</td> <td>49.70</td> <td>32.83</td> <td>7.63</td> <td>65.50</td> <td>0.00</td> <td>375 274 Average VERTICAL</td> </tr> <tr> <td>4</td> <td>5489.00</td> <td>55.41</td> <td>-39.91</td> <td>95.32</td> <td>75.82</td> <td>34.94</td> <td>10.87</td> <td>65.42</td> <td>0.00</td> <td>-- Peak VERTICAL</td> </tr> </tbody> </table>	Line	Level	Factor	Ant Loss	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	PoI/Phase	1	1094.00	49.71	-34.29	74.00	63.77	28.38	4.72	65.16	0.00	-- Peak VERTICAL	2	2744.00	51.68	-22.32	74.00	76.72	32.83	7.63	65.50	0.00	375 274 Peak VERTICAL	3	2744.00	24.74	-20.26	64.00	49.70	32.83	7.63	65.50	0.00	375 274 Average VERTICAL	4	5489.00	55.41	-39.91	95.32	75.82	34.94	10.87	65.42	0.00	-- Peak VERTICAL
Line	Level	Factor	Ant Loss	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	PoI/Phase																																																																																																						
1	1094.00	44.71	-29.19	74.00	70.70	28.47	4.70	65.16	0.00	-- Peak HORIZONTAL																																																																																																						
2	2744.00	51.69	-21.91	74.00	77.13	32.83	7.63	65.50	0.00	111 352 Peak HORIZONTAL																																																																																																						
3	2744.00	25.15	-20.55	64.00	50.19	32.83	7.63	65.50	0.00	111 352 Average HORIZONTAL																																																																																																						
4	5489.00	54.73	-33.91	88.64	74.34	34.94	10.87	65.42	0.00	-- Peak HORIZONTAL																																																																																																						
Line	Level	Factor	Ant Loss	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	PoI/Phase																																																																																																						
1	1094.00	49.71	-34.29	74.00	63.77	28.38	4.72	65.16	0.00	-- Peak VERTICAL																																																																																																						
2	2744.00	51.68	-22.32	74.00	76.72	32.83	7.63	65.50	0.00	375 274 Peak VERTICAL																																																																																																						
3	2744.00	24.74	-20.26	64.00	49.70	32.83	7.63	65.50	0.00	375 274 Average VERTICAL																																																																																																						
4	5489.00	55.41	-39.91	95.32	75.82	34.94	10.87	65.42	0.00	-- Peak VERTICAL																																																																																																						



LoRa	902.5~927.5 Harmonic @ 3m																																																																																																																																																																									
ANT	FSK 250Kbps FHSS CH57 927.5																																																																																																																																																																									
	Horizontal	Vertical																																																																																																																																																																								
Peak	<table border="1"> <thead> <tr> <th>Line</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> <tr> <th></th> <th></th> <th>dBuV/m</th> <th></th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1871.08</td> <td>45.79</td> <td>-29.11</td> <td>74.90</td> <td>27.62</td> <td>28.42</td> <td>4.71</td> <td>65.16</td> <td>0.00</td> <td>--</td> <td>deg</td> <td>-- Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>2782.68</td> <td>58.72</td> <td>-23.28</td> <td>74.90</td> <td>25.98</td> <td>32.48</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>180</td> <td>288</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>2782.68</td> <td>23.78</td> <td>-99.22</td> <td>54.98</td> <td>48.90</td> <td>32.68</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>180</td> <td>288</td> <td>Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>5565.48</td> <td>51.96</td> <td>-37.85</td> <td>89.81</td> <td>21.48</td> <td>34.98</td> <td>18.96</td> <td>65.38</td> <td>0.00</td> <td>--</td> <td>deg</td> <td>-- Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase			dBuV/m		dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB			1	1871.08	45.79	-29.11	74.90	27.62	28.42	4.71	65.16	0.00	--	deg	-- Peak	HORIZONTAL	2	2782.68	58.72	-23.28	74.90	25.98	32.48	7.68	65.46	0.00	180	288	Peak	HORIZONTAL	3	2782.68	23.78	-99.22	54.98	48.90	32.68	7.68	65.46	0.00	180	288	Average	HORIZONTAL	4	5565.48	51.96	-37.85	89.81	21.48	34.98	18.96	65.38	0.00	--	deg	-- Peak	HORIZONTAL	<table border="1"> <thead> <tr> <th>Line</th> <th>Freq</th> <th>Level</th> <th>Margin</th> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> <th>PoI/Phase</th> </tr> <tr> <th></th> <th></th> <th>dBuV/m</th> <th></th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1871.08</td> <td>51.34</td> <td>-22.66</td> <td>74.00</td> <td>63.61</td> <td>28.15</td> <td>4.75</td> <td>65.17</td> <td>0.00</td> <td>--</td> <td>deg</td> <td>-- Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>2782.68</td> <td>51.28</td> <td>-22.68</td> <td>74.00</td> <td>26.38</td> <td>32.68</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>180</td> <td>288</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>2782.68</td> <td>24.16</td> <td>-109.74</td> <td>54.00</td> <td>49.44</td> <td>32.68</td> <td>7.68</td> <td>65.46</td> <td>0.00</td> <td>180</td> <td>288</td> <td>Average</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>5565.48</td> <td>53.64</td> <td>-42.84</td> <td>96.48</td> <td>23.16</td> <td>34.98</td> <td>18.96</td> <td>65.38</td> <td>0.00</td> <td>--</td> <td>deg</td> <td>-- Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase			dBuV/m		dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB			1	1871.08	51.34	-22.66	74.00	63.61	28.15	4.75	65.17	0.00	--	deg	-- Peak	VERTICAL	2	2782.68	51.28	-22.68	74.00	26.38	32.68	7.68	65.46	0.00	180	288	Peak	VERTICAL	3	2782.68	24.16	-109.74	54.00	49.44	32.68	7.68	65.46	0.00	180	288	Average	VERTICAL	4	5565.48	53.64	-42.84	96.48	23.16	34.98	18.96	65.38	0.00	--	deg	-- Peak	VERTICAL
Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																																													
		dBuV/m		dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB																																																																																																																																																															
1	1871.08	45.79	-29.11	74.90	27.62	28.42	4.71	65.16	0.00	--	deg	-- Peak	HORIZONTAL																																																																																																																																																													
2	2782.68	58.72	-23.28	74.90	25.98	32.48	7.68	65.46	0.00	180	288	Peak	HORIZONTAL																																																																																																																																																													
3	2782.68	23.78	-99.22	54.98	48.90	32.68	7.68	65.46	0.00	180	288	Average	HORIZONTAL																																																																																																																																																													
4	5565.48	51.96	-37.85	89.81	21.48	34.98	18.96	65.38	0.00	--	deg	-- Peak	HORIZONTAL																																																																																																																																																													
Line	Freq	Level	Margin	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	PoI/Phase																																																																																																																																																													
		dBuV/m		dBuV/m	dBuV/m	dB	dB	dB	dB	dB	dB																																																																																																																																																															
1	1871.08	51.34	-22.66	74.00	63.61	28.15	4.75	65.17	0.00	--	deg	-- Peak	VERTICAL																																																																																																																																																													
2	2782.68	51.28	-22.68	74.00	26.38	32.68	7.68	65.46	0.00	180	288	Peak	VERTICAL																																																																																																																																																													
3	2782.68	24.16	-109.74	54.00	49.44	32.68	7.68	65.46	0.00	180	288	Average	VERTICAL																																																																																																																																																													
4	5565.48	53.64	-42.84	96.48	23.16	34.98	18.96	65.38	0.00	--	deg	-- Peak	VERTICAL																																																																																																																																																													

Appendix E. Duty Cycle Plots

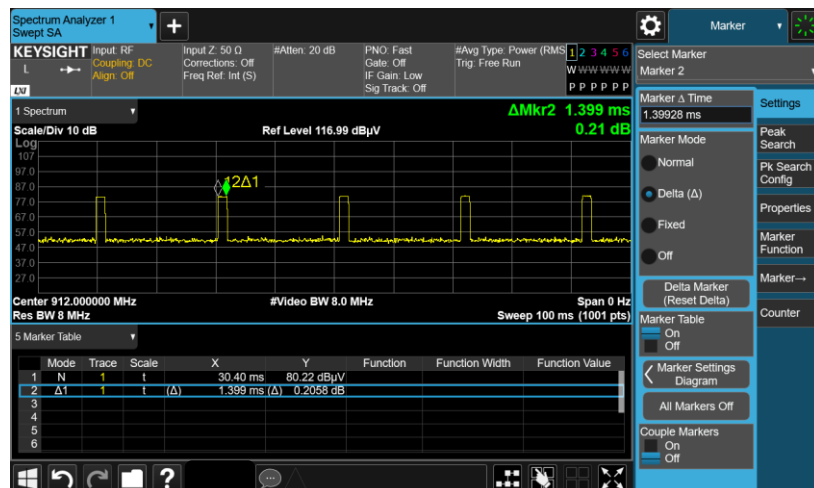
FSK 50Kbps on time Plot



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $4 * 3.9 / 100 = 15.60 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -16.14 \text{ dB}$

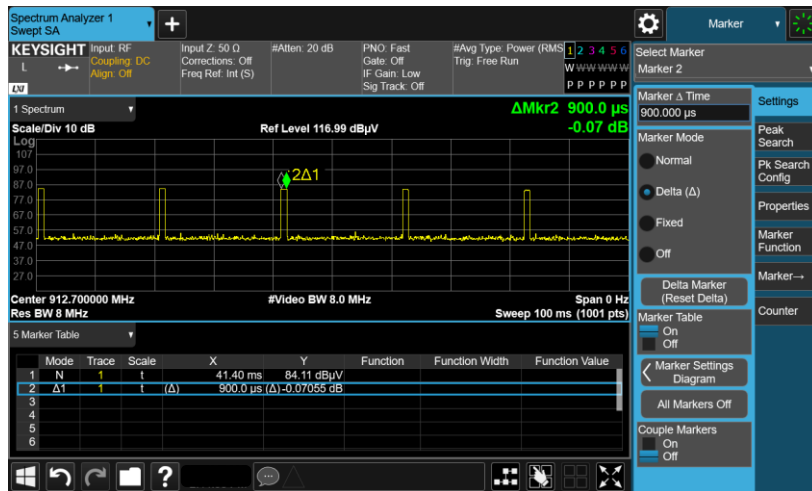
FSK 150Kbps on time Plot



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $5 * 1.399 / 100 = 7.00 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -23.10 \text{ dB}$

FSK 250Kbps on time Plot



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $5 * 0.9 / 100 = 4.50 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -26.94 \text{ dB}$