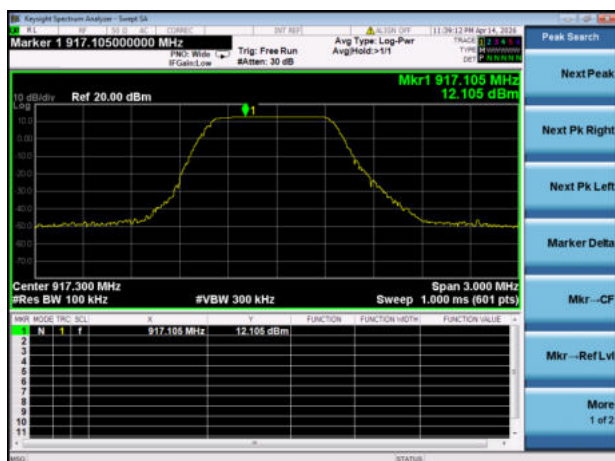
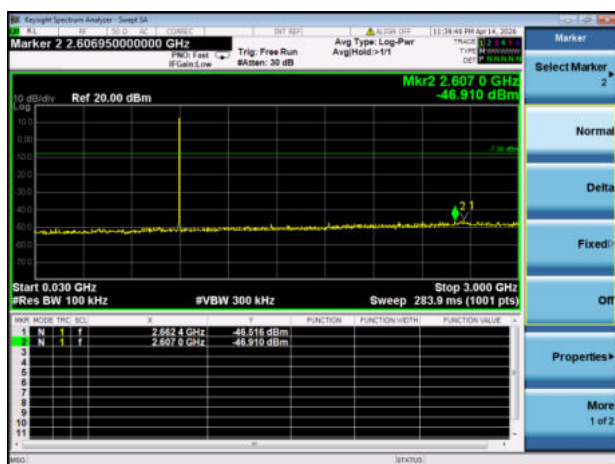


Test Plots

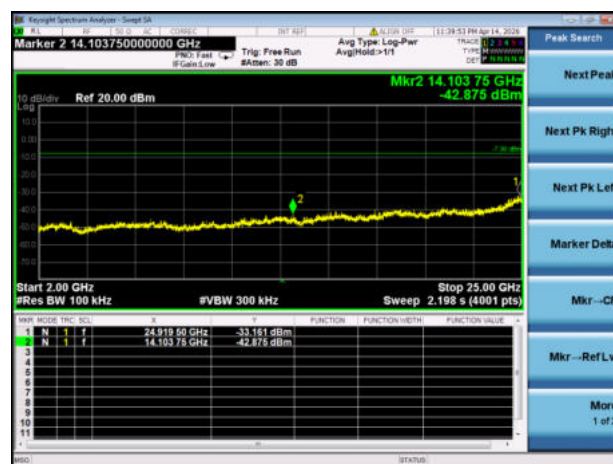
LOW CHANNEL, CARRIER LEVEL



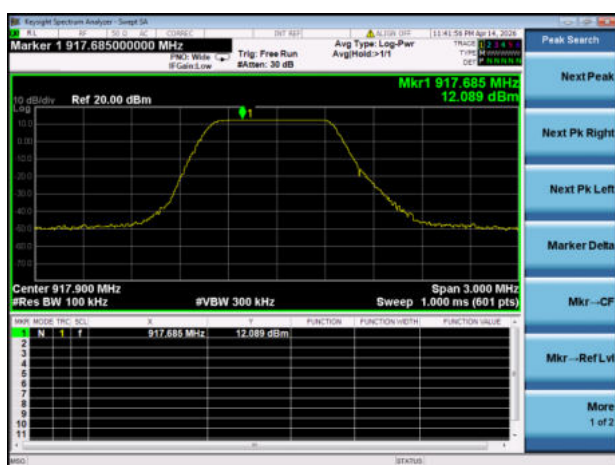
LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



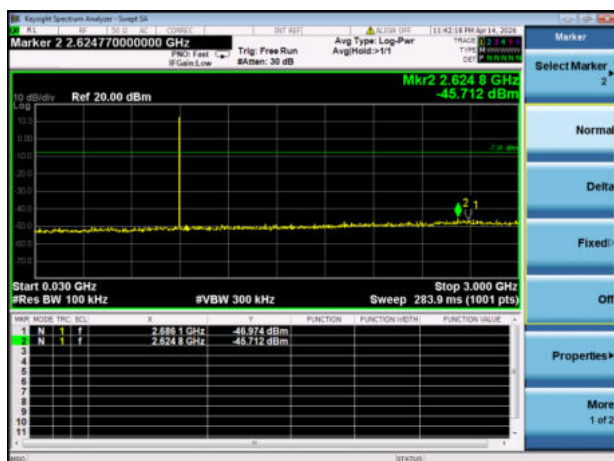
LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



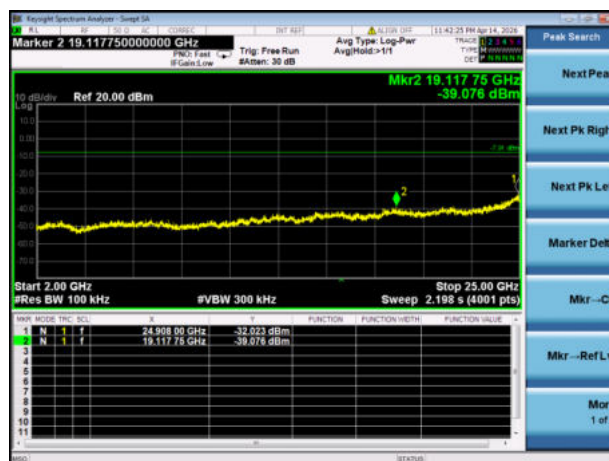
MIDDLE CHANNEL, CARRIER LEVEL



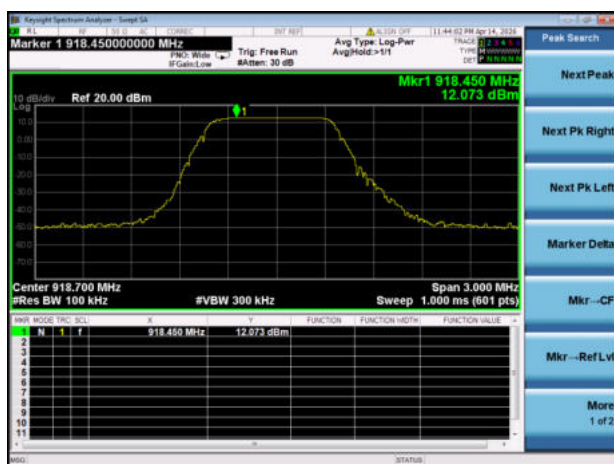
MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



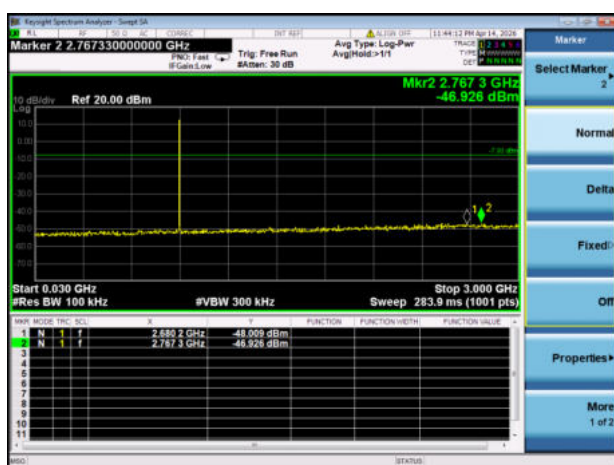
MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



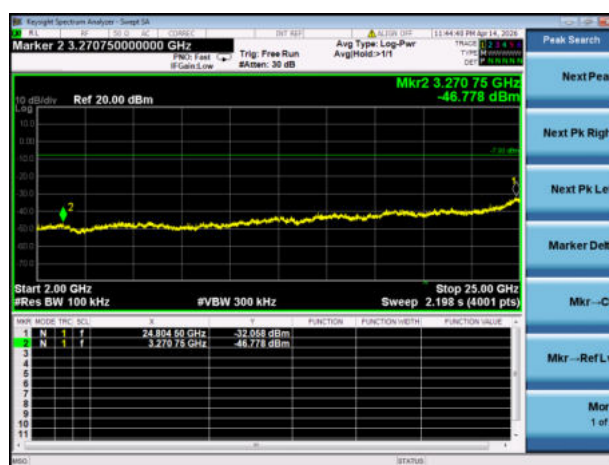
HIGH CHANNEL, CARRIER LEVEL



HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

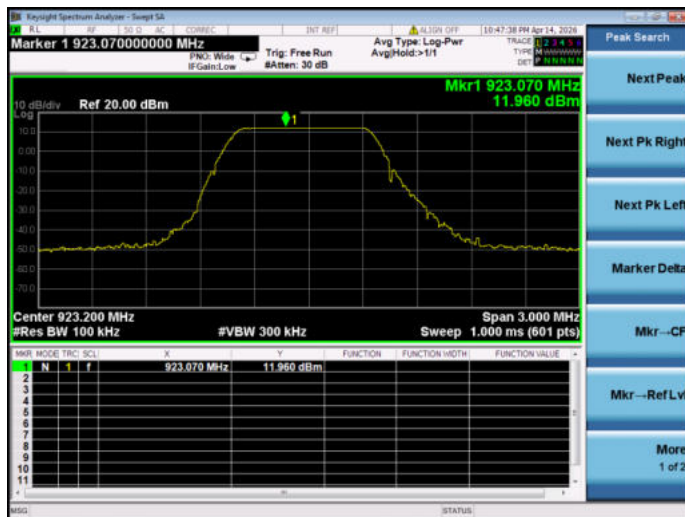
AS923-1

Test Data

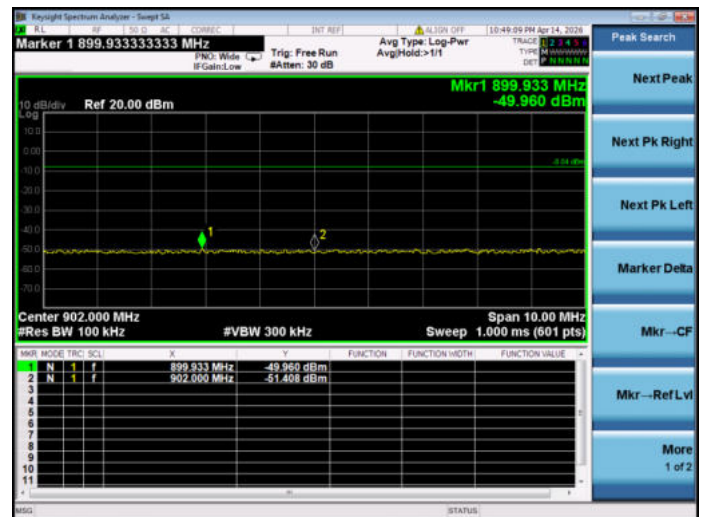
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-49.96	11.96	-8.04	Pass
High Channel	-49.73	11.95	-8.047	Pass

Test Plots

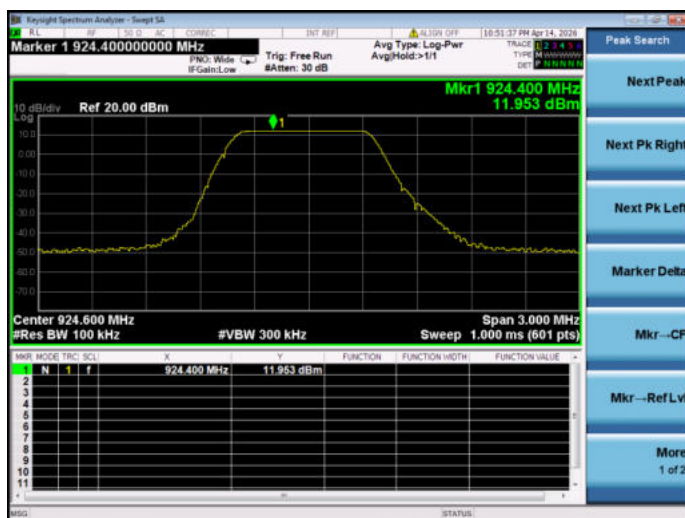
LOW CHANNEL, CARRIER LEVEL



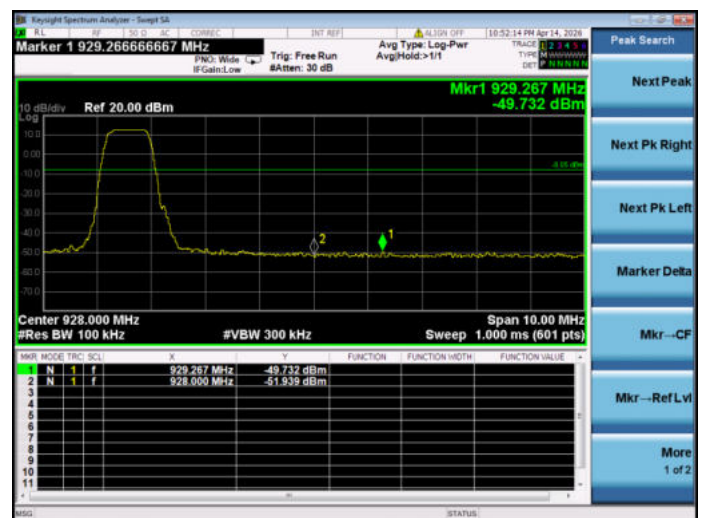
LOW CHANNEL, BAND EDGE



HIGH CHANNEL, CARRIER LEVEL



HIGH CHANNEL, BAND EDGE



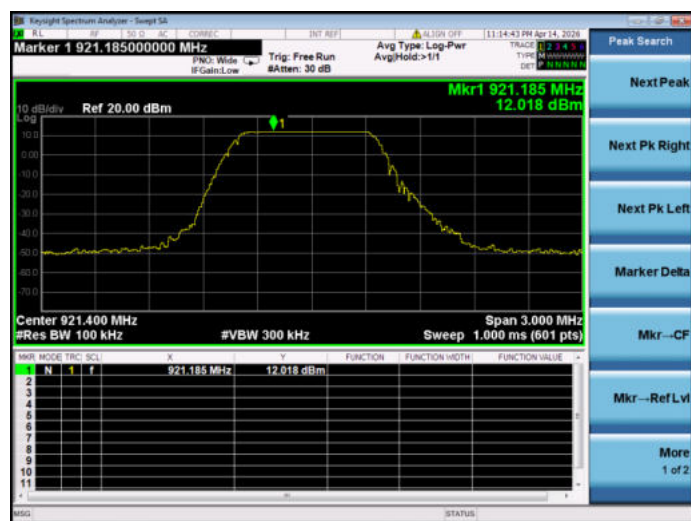
AS923-2

Test Data

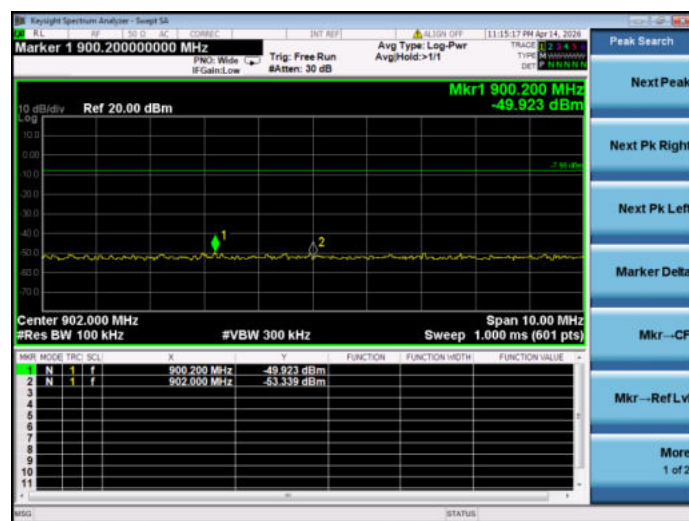
LoRa				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-49.92	12.02	-7.982	Pass
High Channel	-50.06	11.98	-8.017	Pass

Test Plots

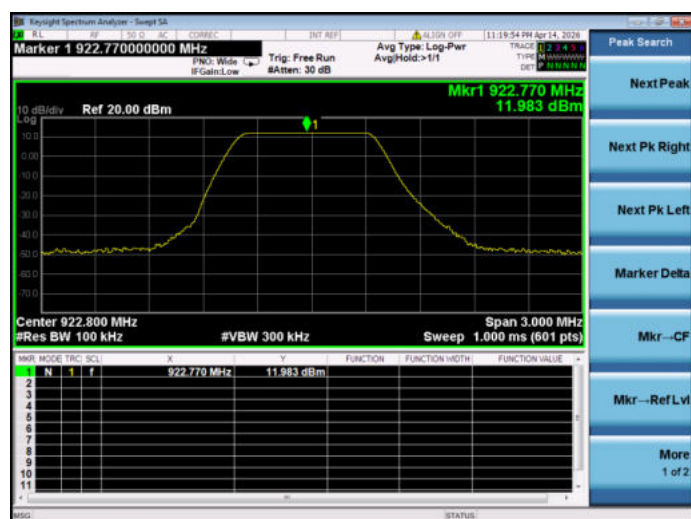
LOW CHANNEL, CARRIER LEVEL



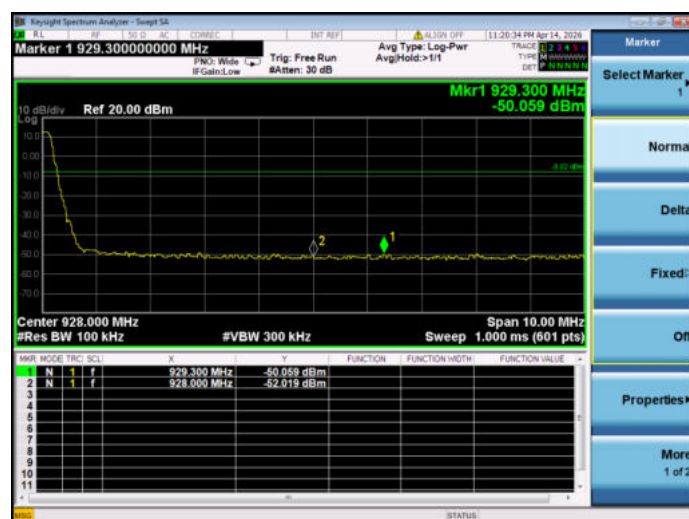
LOW CHANNEL, BAND EDGE



HIGH CHANNEL, CARRIER LEVEL



HIGH CHANNEL, BAND EDGE



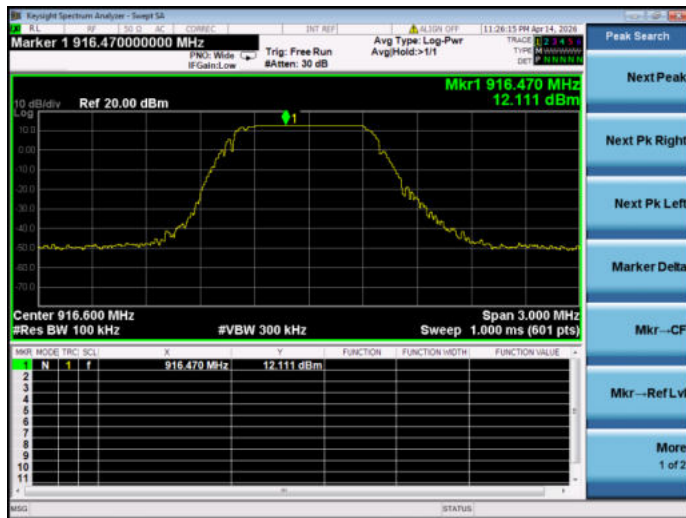
AS923-3

Test Data

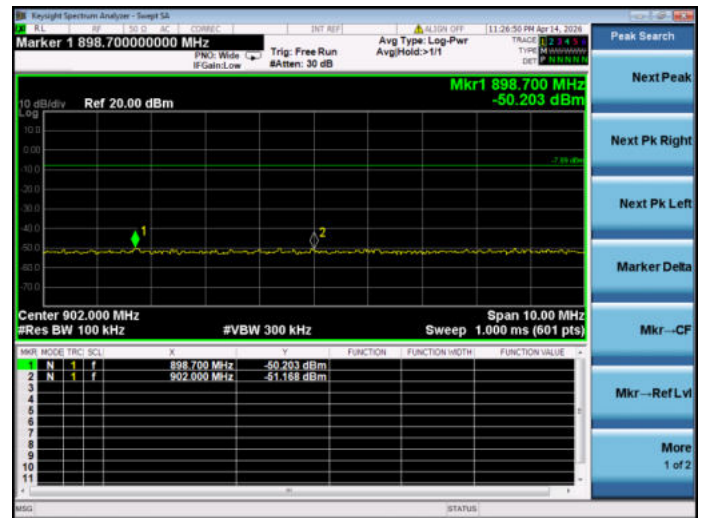
LoRa				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-50.20	12.11	-7.889	Pass
High Channel	-49.79	12.08	-7.922	Pass

Test Plots

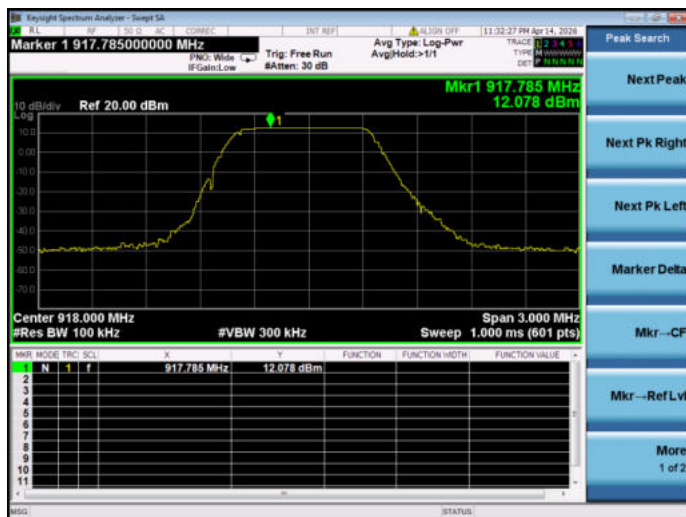
LOW CHANNEL, CARRIER LEVEL



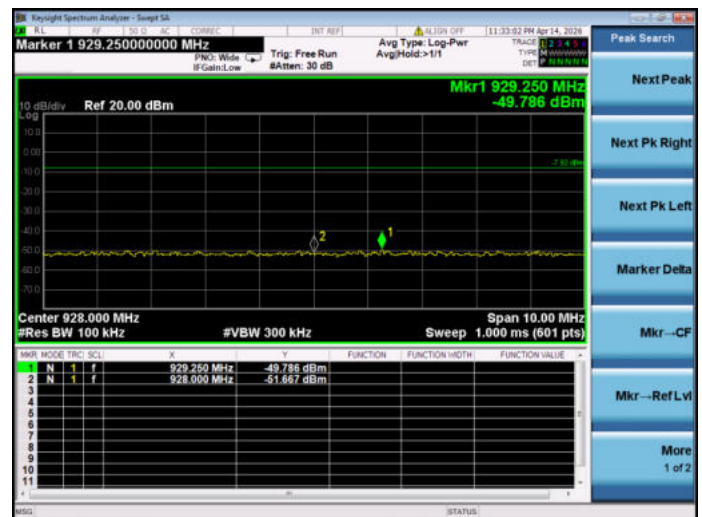
LOW CHANNEL, BAND EDGE



HIGH CHANNEL, CARRIER LEVEL



HIGH CHANNEL, BAND EDGE



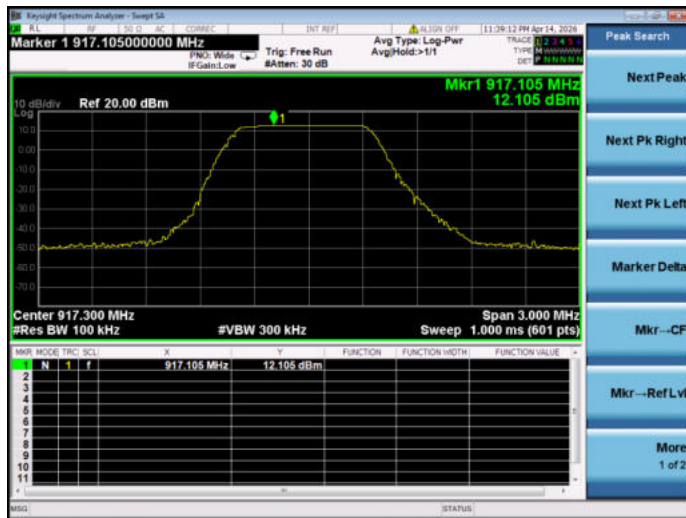
AS923-4

Test Data

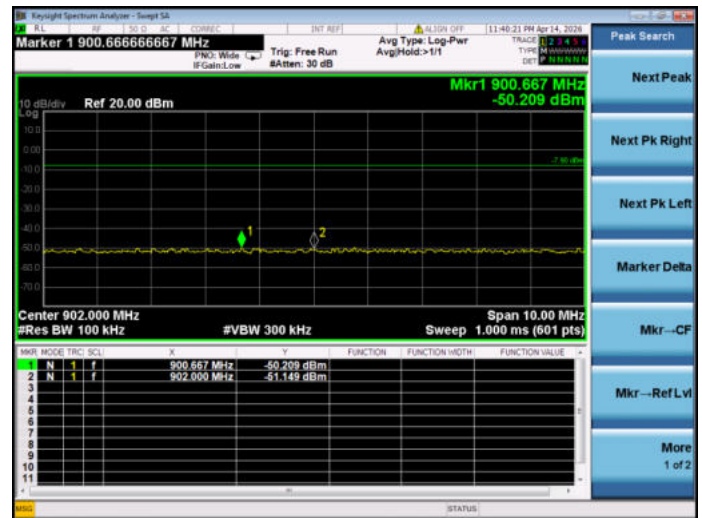
LoRa				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-50.21	12.11	-7.895	Pass
High Channel	-49.76	12.07	-7.927	Pass

Test Plots

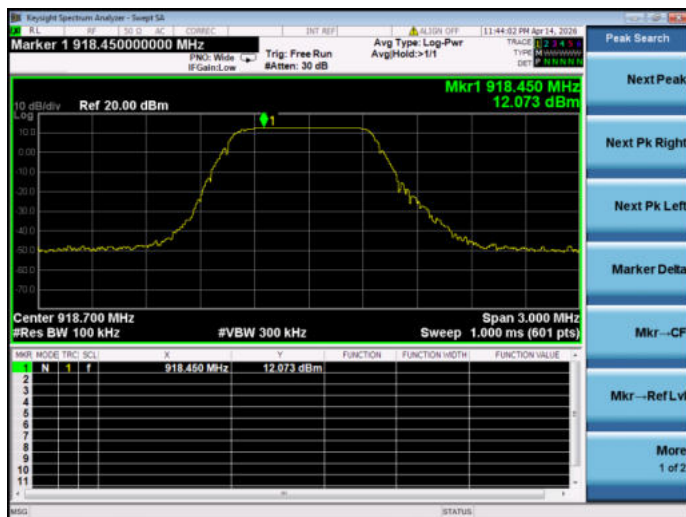
LOW CHANNEL, CARRIER LEVEL



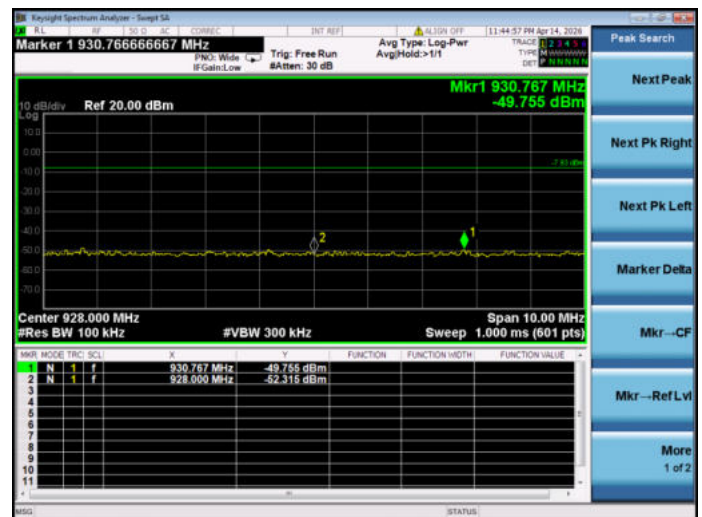
LOW CHANNEL, BAND EDGE



HIGH CHANNEL, CARRIER LEVEL



HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

Note: Not applicable.

A.6 Radiated Spurious Emission

Note¹: The symbol of “--” in the table which means not application.

Note²: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

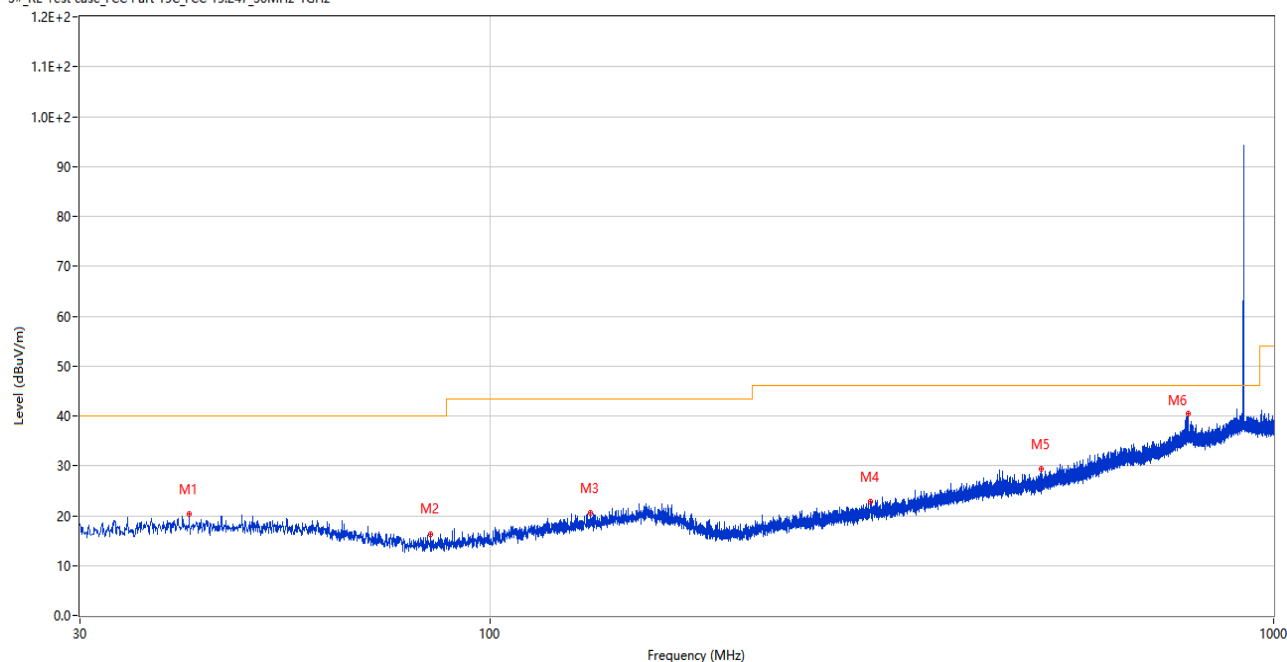
Note⁴: The marked spikes near 900 MHz with circle should be ignored because they are Fundamental signal.

Test Data and Plots

AS923-1

LOW CHANNEL, 30 MHz to 1 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.762	20.12	40.0	19.88	Peak	285.00	100	Horizontal	Pass
2	86.709	16.11	40.0	23.89	Peak	285.00	100	Horizontal	Pass
3	133.121	20.83	43.5	22.67	Peak	320.00	100	Horizontal	Pass
4	302.835	23.00	46.0	23.00	Peak	320.00	100	Horizontal	Pass
5	501.757	29.28	46.0	16.72	Peak	90.00	200	Horizontal	Pass
6	780.687	40.16	46.0	5.85	Peak	90.00	200	Horizontal	Pass

LOW CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.644	21.29	40.0	18.72	Peak	317.00	100	Vertical	Pass
2	85.028	24.25	40.0	15.75	Peak	317.00	100	Vertical	Pass
3	171.092	21.36	43.5	22.14	Peak	324.00	400	Vertical	Pass
4	378.936	17.86	46.0	28.15	Peak	324.00	400	Vertical	Pass
5	657.084	25.44	46.0	20.56	Peak	94.00	200	Vertical	Pass
6	863.689	33.52	46.0	12.48	Peak	94.00	200	Vertical	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.930	22.23	40.0	17.77	Peak	342.00	300	Horizontal	Pass
2	87.289	20.58	40.0	19.42	Peak	342.00	100	Horizontal	Pass
3	95.879	22.87	43.5	20.63	Peak	205.00	100	Horizontal	Pass
4	161.175	24.84	43.5	18.66	Peak	205.00	400	Horizontal	Pass
5	271.004	17.98	46.0	28.02	Peak	21.00	400	Horizontal	Pass
6	670.293	28.72	46.0	17.28	Peak	21.00	200	Horizontal	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.482	18.40	40.0	21.60	Peak	37.00	400	Vertical	Pass
2	84.404	26.84	40.0	13.16	Peak	37.00	200	Vertical	Pass
3	173.968	23.94	43.5	19.56	Peak	67.00	400	Vertical	Pass
4	383.029	17.84	46.0	28.16	Peak	67.00	200	Vertical	Pass
5	656.787	22.50	46.0	23.51	Peak	189.00	400	Vertical	Pass
6	867.276	33.39	46.0	12.61	Peak	189.00	100	Vertical	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT H

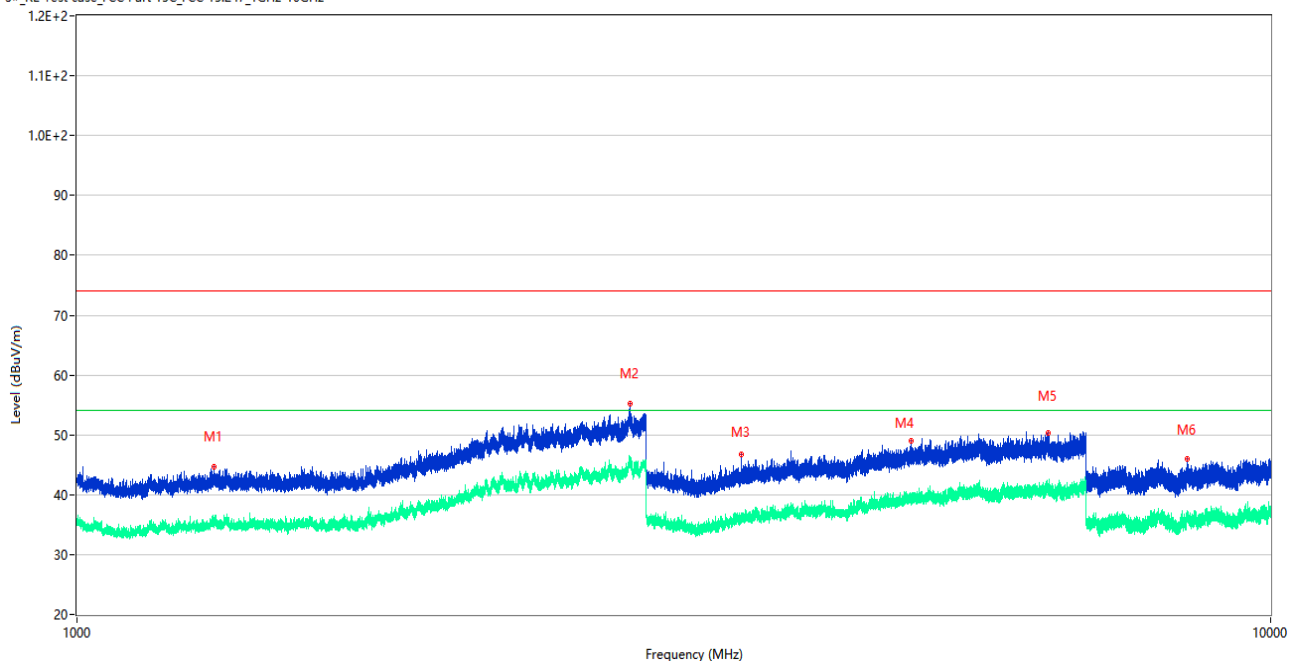
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.463	22.45	40.0	17.55	Peak	201.00	300	Horizontal	Pass
2	84.339	29.75	40.0	10.25	Peak	201.00	400	Horizontal	Pass
3	90.535	26.10	43.5	17.40	Peak	96.00	400	Horizontal	Pass
4	159.899	20.95	43.5	22.55	Peak	96.00	200	Horizontal	Pass
5	275.033	19.26	46.0	26.74	Peak	284.00	300	Horizontal	Pass
6	674.421	30.29	46.0	15.71	Peak	284.00	400	Horizontal	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	55.689	21.37	40.0	18.63	Peak	265.00	300	Vertical	Pass
2	143.985	23.55	43.5	19.95	Peak	265.00	300	Vertical	Pass
3	158.977	22.15	43.5	21.36	Peak	155.00	400	Vertical	Pass
4	408.320	19.84	46.0	26.17	Peak	155.00	400	Vertical	Pass
5	635.816	25.90	46.0	20.10	Peak	310.00	200	Vertical	Pass
6	776.594	31.17	46.0	14.83	Peak	310.00	200	Vertical	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_1GHz-10GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1305.153	44.87	74.0	29.13	Peak	347.00	300	Horizontal	Pass
1**	1305.153	35.40	54.0	18.60	AV	347.00	300	Horizontal	Pass
2	2905.702	55.26	74.0	18.74	Peak	2.00	400	Horizontal	Pass
2**	2905.702	45.92	54.0	8.09	AV	2.00	400	Horizontal	Pass
3	3600.440	46.72	74.0	27.29	Peak	213.00	200	Horizontal	Pass
3**	3600.440	36.07	54.0	17.93	AV	213.00	200	Horizontal	Pass
4	5002.287	49.03	74.0	24.97	Peak	17.00	200	Horizontal	Pass
4**	5002.287	39.25	54.0	14.76	AV	17.00	200	Horizontal	Pass
5	6506.183	50.39	74.0	23.61	Peak	87.00	400	Horizontal	Pass
5**	6506.183	40.80	54.0	13.20	AV	87.00	400	Horizontal	Pass
6	8519.341	46.10	74.0	27.90	Peak	187.00	200	Horizontal	Pass
6**	8519.341	36.15	54.0	17.85	AV	187.00	200	Horizontal	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.842	48.91	74.0	25.09	Peak	70.00	300	Vertical	Pass
1**	1331.842	41.43	54.0	12.57	AV	70.00	300	Vertical	Pass
2	2664.748	55.83	74.0	18.17	Peak	88.00	300	Vertical	Pass
2**	2664.748	45.43	54.0	8.57	AV	88.00	300	Vertical	Pass
3	4900.241	50.35	74.0	23.65	Peak	297.00	200	Vertical	Pass
3**	4900.241	40.55	54.0	13.45	AV	297.00	200	Vertical	Pass
4	6655.023	53.95	74.0	20.05	Peak	104.00	200	Vertical	Pass
4**	6655.023	44.38	54.0	9.62	AV	104.00	200	Vertical	Pass
5	7923.200	55.78	74.0	18.22	Peak	13.00	200	Vertical	Pass
5**	7923.200	44.49	54.0	9.51	AV	13.00	200	Vertical	Pass
6	9824.296	49.32	74.0	24.68	Peak	267.00	300	Vertical	Pass
6**	9824.296	39.23	54.0	14.77	AV	267.00	300	Vertical	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1306.617	44.83	74.0	29.17	Peak	360.00	300	Horizontal	Pass
1**	1306.617	35.16	54.0	18.85	AV	360.00	300	Horizontal	Pass
2	2905.253	55.20	74.0	18.80	Peak	358.00	300	Horizontal	Pass
2**	2905.253	45.73	54.0	8.27	AV	358.00	300	Horizontal	Pass
3	3598.890	46.44	74.0	27.56	Peak	10.00	200	Horizontal	Pass
3**	3598.890	36.06	54.0	17.94	AV	10.00	200	Horizontal	Pass
4	5004.745	48.87	74.0	25.13	Peak	266.00	400	Horizontal	Pass
4**	5004.745	39.09	54.0	14.91	AV	266.00	400	Horizontal	Pass
5	6502.468	50.21	74.0	23.80	Peak	11.00	300	Horizontal	Pass
5**	6502.468	40.64	54.0	13.36	AV	11.00	300	Horizontal	Pass
6	8519.728	46.05	74.0	27.95	Peak	207.00	300	Horizontal	Pass
6**	8519.728	36.10	54.0	17.90	AV	207.00	300	Horizontal	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.031	48.75	74.0	25.25	Peak	280.00	200	Vertical	Pass
1**	1328.031	41.43	54.0	12.57	AV	280.00	200	Vertical	Pass
2	2662.574	55.55	74.0	18.45	Peak	35.00	300	Vertical	Pass
2**	2662.574	45.17	54.0	8.83	AV	35.00	300	Vertical	Pass
3	4902.651	50.17	74.0	23.84	Peak	116.00	200	Vertical	Pass
3**	4902.651	40.51	54.0	13.49	AV	116.00	200	Vertical	Pass
4	6658.741	53.77	74.0	20.23	Peak	141.00	300	Vertical	Pass
4**	6658.741	44.18	54.0	9.82	AV	141.00	300	Vertical	Pass
5	7921.678	55.71	74.0	18.30	Peak	158.00	400	Vertical	Pass
5**	7921.678	44.35	54.0	9.65	AV	158.00	400	Vertical	Pass
6	9824.482	49.20	74.0	24.80	Peak	222.00	200	Vertical	Pass
6**	9824.482	39.13	54.0	14.87	AV	222.00	200	Vertical	Pass

HIGH CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1307.945	44.85	74.0	29.16	Peak	164.00	300	Horizontal	Pass
1**	1307.945	35.38	54.0	18.62	AV	164.00	300	Horizontal	Pass
2	2908.594	55.09	74.0	18.91	Peak	70.00	300	Horizontal	Pass
2**	2908.594	45.81	54.0	8.19	AV	70.00	300	Horizontal	Pass
3	3595.876	46.43	74.0	27.57	Peak	270.00	200	Horizontal	Pass
3**	3595.876	35.99	54.0	18.02	AV	270.00	200	Horizontal	Pass
4	5006.809	48.76	74.0	25.24	Peak	295.00	200	Horizontal	Pass
4**	5006.809	39.16	54.0	14.84	AV	295.00	200	Horizontal	Pass
5	6498.704	50.31	74.0	23.69	Peak	63.00	400	Horizontal	Pass
5**	6498.704	40.74	54.0	13.27	AV	63.00	400	Horizontal	Pass
6	8518.700	45.84	74.0	28.16	Peak	167.00	200	Horizontal	Pass
6**	8518.700	35.97	54.0	18.04	AV	167.00	200	Horizontal	Pass

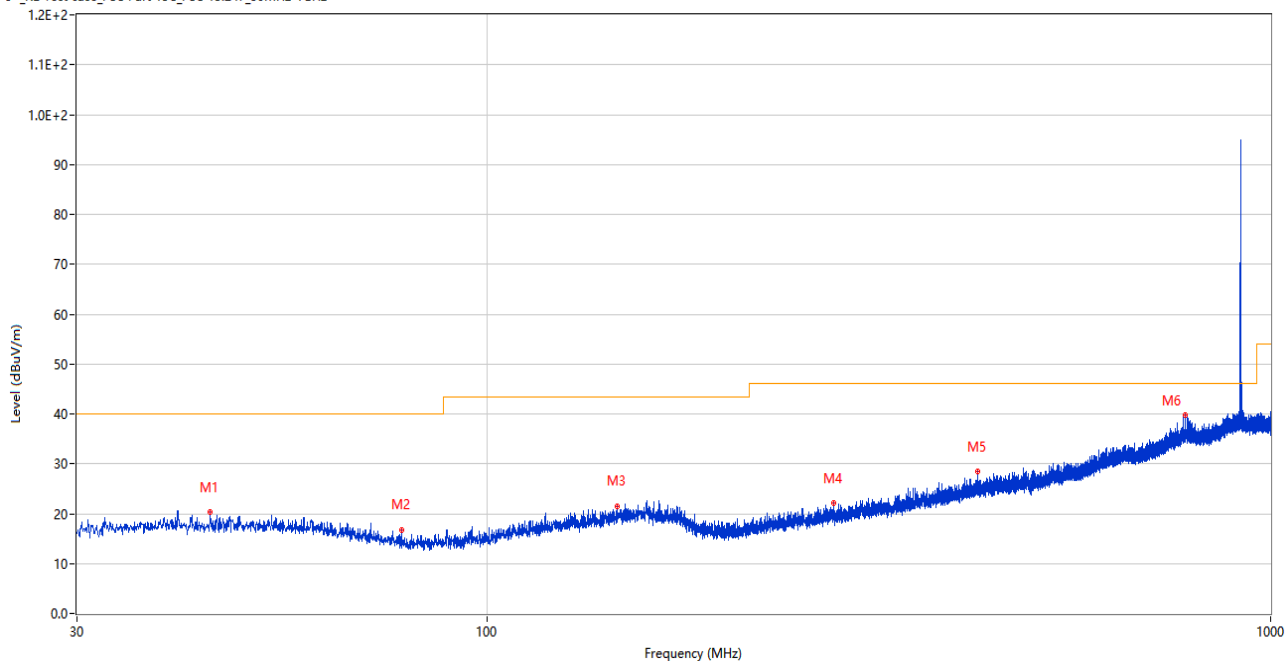
HIGH CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.464	48.91	74.0	25.09	Peak	92.00	200	Vertical	Pass
1**	1331.464	41.27	54.0	12.73	AV	92.00	200	Vertical	Pass
2	2666.492	55.73	74.0	18.27	Peak	10.00	100	Vertical	Pass
2**	2666.492	45.40	54.0	8.60	AV	10.00	100	Vertical	Pass
3	4900.450	50.08	74.0	23.92	Peak	35.00	200	Vertical	Pass
3**	4900.450	40.26	54.0	13.74	AV	35.00	200	Vertical	Pass
4	6661.620	53.89	74.0	20.11	Peak	118.00	100	Vertical	Pass
4**	6661.620	44.21	54.0	9.79	AV	118.00	100	Vertical	Pass
5	7919.837	55.76	74.0	18.24	Peak	224.00	400	Vertical	Pass
5**	7919.837	44.31	54.0	9.69	AV	224.00	400	Vertical	Pass
6	9828.033	49.24	74.0	24.76	Peak	142.00	400	Vertical	Pass
6**	9828.033	39.05	54.0	14.95	AV	142.00	400	Vertical	Pass

AS923-2

LOW CHANNEL, 30 MHz to 1 GHz, ANT H

3# RE Test case_FCC Part 15C_FCC 15.247_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.080	20.22	40.0	19.78	Peak	278.00	100	Horizontal	Pass
2	76.957	16.79	40.0	23.21	Peak	278.00	100	Horizontal	Pass
3	148.592	21.72	43.5	21.79	Peak	217.00	300	Horizontal	Pass
4	277.965	22.11	46.0	23.89	Peak	217.00	300	Horizontal	Pass
5	422.798	28.41	46.0	17.60	Peak	123.00	200	Horizontal	Pass
6	779.280	39.81	46.0	6.19	Peak	123.00	200	Horizontal	Pass

LOW CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.030	21.20	40.0	18.80	Peak	30.00	100	Vertical	Pass
2	86.613	24.31	40.0	15.69	Peak	30.00	100	Vertical	Pass
3	168.601	21.26	43.5	22.24	Peak	130.00	100	Vertical	Pass
4	381.345	17.75	46.0	28.25	Peak	130.00	100	Vertical	Pass
5	661.102	25.50	46.0	20.50	Peak	168.00	200	Vertical	Pass
6	863.746	33.88	46.0	12.12	Peak	168.00	200	Vertical	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.284	21.45	40.0	18.55	Peak	97.00	300	Horizontal	Pass
2	87.541	23.42	40.0	16.58	Peak	97.00	400	Horizontal	Pass
3	89.640	24.38	43.5	19.12	Peak	167.00	200	Horizontal	Pass
4	160.018	23.38	43.5	20.12	Peak	167.00	400	Horizontal	Pass
5	271.075	20.04	46.0	25.96	Peak	115.00	400	Horizontal	Pass
6	668.730	26.72	46.0	19.28	Peak	115.00	200	Horizontal	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.756	19.25	40.0	20.75	Peak	62.00	300	Vertical	Pass
2	85.533	26.71	40.0	13.29	Peak	62.00	400	Vertical	Pass
3	172.488	19.49	43.5	24.01	Peak	131.00	100	Vertical	Pass
4	382.256	15.82	46.0	30.18	Peak	131.00	100	Vertical	Pass
5	664.092	22.97	46.0	23.03	Peak	6.00	200	Vertical	Pass
6	862.599	35.07	46.0	10.93	Peak	6.00	400	Vertical	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT H

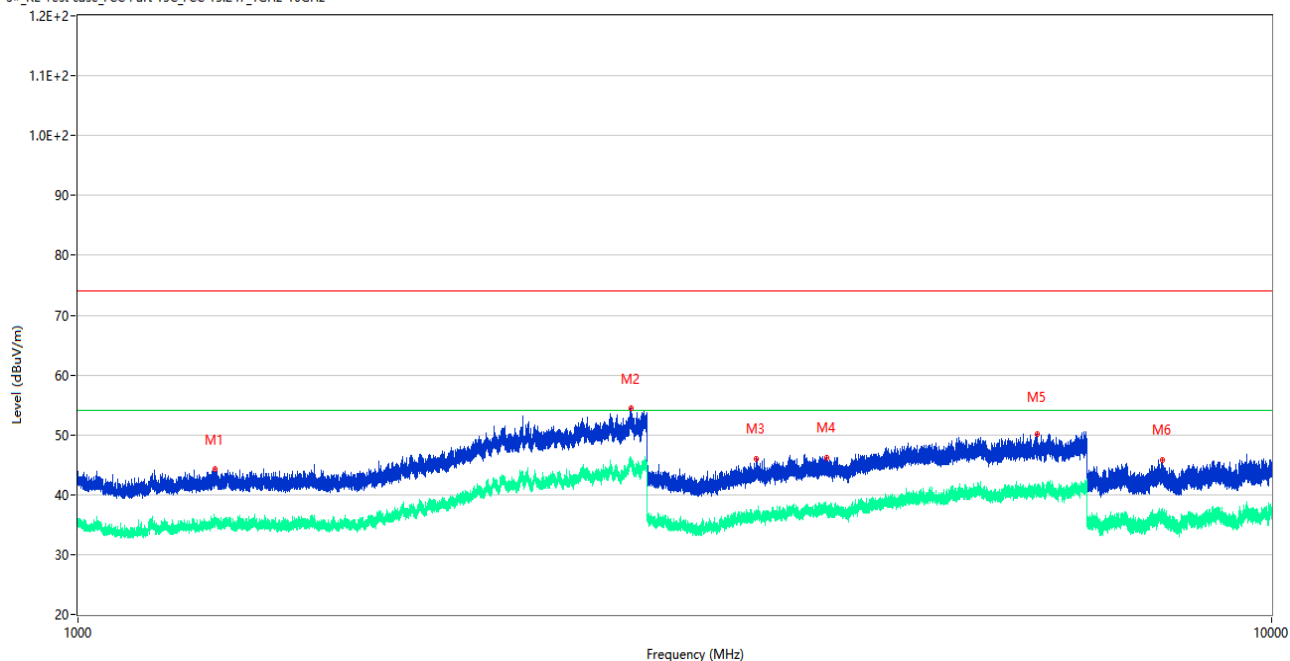
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.076	18.99	40.0	21.01	Peak	35.00	400	Horizontal	Pass
2	81.161	27.69	40.0	12.31	Peak	35.00	300	Horizontal	Pass
3	88.209	21.44	43.5	22.06	Peak	157.00	100	Horizontal	Pass
4	158.349	23.48	43.5	20.02	Peak	157.00	300	Horizontal	Pass
5	274.191	20.63	46.0	25.37	Peak	111.00	200	Horizontal	Pass
6	671.508	28.60	46.0	17.40	Peak	111.00	200	Horizontal	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.403	22.43	40.0	17.57	Peak	27.00	100	Vertical	Pass
2	138.382	25.71	43.5	17.79	Peak	27.00	100	Vertical	Pass
3	159.597	20.68	43.5	22.82	Peak	140.00	300	Vertical	Pass
4	405.704	18.89	46.0	27.11	Peak	140.00	300	Vertical	Pass
5	638.431	24.41	46.0	21.59	Peak	45.00	200	Vertical	Pass
6	776.730	34.37	46.0	11.63	Peak	45.00	200	Vertical	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_1GHz-10GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.414	44.40	74.0	29.60	Peak	229.00	300	Horizontal	Pass
1**	1300.414	35.58	54.0	18.42	AV	229.00	300	Horizontal	Pass
2	2904.239	54.43	74.0	19.57	Peak	133.00	400	Horizontal	Pass
2**	2904.239	45.28	54.0	8.73	AV	133.00	400	Horizontal	Pass
3	3702.740	46.14	74.0	27.86	Peak	281.00	200	Horizontal	Pass
3**	3702.740	36.79	54.0	17.21	AV	281.00	200	Horizontal	Pass
4	4236.688	46.19	74.0	27.81	Peak	188.00	200	Horizontal	Pass
4**	4236.688	37.71	54.0	16.29	AV	188.00	200	Horizontal	Pass
5	6361.186	50.47	74.0	23.53	Peak	236.00	300	Horizontal	Pass
5**	6361.186	41.03	54.0	12.98	AV	236.00	300	Horizontal	Pass
6	8101.478	45.93	74.0	28.07	Peak	314.00	300	Horizontal	Pass
6**	8101.478	36.20	54.0	17.80	AV	314.00	300	Horizontal	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.055	48.79	74.0	25.21	Peak	54.00	100	Vertical	Pass
1**	1331.055	41.36	54.0	12.64	AV	54.00	100	Vertical	Pass
2	2661.389	55.86	74.0	18.14	Peak	246.00	300	Vertical	Pass
2**	2661.389	44.35	54.0	9.65	AV	246.00	300	Vertical	Pass
3	4900.949	50.24	74.0	23.76	Peak	223.00	200	Vertical	Pass
3**	4900.949	40.71	54.0	13.29	AV	223.00	200	Vertical	Pass
4	6655.126	53.96	74.0	20.04	Peak	352.00	300	Vertical	Pass
4**	6655.126	44.40	54.0	9.60	AV	352.00	300	Vertical	Pass
5	7925.995	55.67	74.0	18.33	Peak	332.00	300	Vertical	Pass
5**	7925.995	44.39	54.0	9.61	AV	332.00	300	Vertical	Pass
6	9826.238	49.43	74.0	24.57	Peak	159.00	100	Vertical	Pass
6**	9826.238	39.27	54.0	14.73	AV	159.00	100	Vertical	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.170	44.38	74.0	29.62	Peak	341.00	300	Horizontal	Pass
1**	1300.170	35.36	54.0	18.64	AV	341.00	300	Horizontal	Pass
2	2904.483	54.31	74.0	19.69	Peak	82.00	300	Horizontal	Pass
2**	2904.483	45.15	54.0	8.85	AV	82.00	300	Horizontal	Pass
3	3701.125	46.09	74.0	27.91	Peak	94.00	200	Horizontal	Pass
3**	3701.125	36.58	54.0	17.42	AV	94.00	200	Horizontal	Pass
4	4239.499	46.15	74.0	27.85	Peak	220.00	100	Horizontal	Pass
4**	4239.499	37.61	54.0	16.40	AV	220.00	100	Horizontal	Pass
5	6363.143	50.40	74.0	23.60	Peak	273.00	100	Horizontal	Pass
5**	6363.143	40.93	54.0	13.07	AV	273.00	100	Horizontal	Pass
6	8103.136	45.84	74.0	28.16	Peak	124.00	200	Horizontal	Pass
6**	8103.136	36.00	54.0	18.00	AV	124.00	200	Horizontal	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.107	48.59	74.0	25.41	Peak	64.00	400	Vertical	Pass
1**	1327.107	41.09	54.0	12.91	AV	64.00	400	Vertical	Pass
2	2658.310	55.66	74.0	18.34	Peak	69.00	300	Vertical	Pass
2**	2658.310	44.27	54.0	9.73	AV	69.00	300	Vertical	Pass
3	4902.072	50.15	74.0	23.85	Peak	158.00	200	Vertical	Pass
3**	4902.072	40.43	54.0	13.57	AV	158.00	200	Vertical	Pass
4	6651.704	53.67	74.0	20.33	Peak	35.00	100	Vertical	Pass
4**	6651.704	44.34	54.0	9.66	AV	35.00	100	Vertical	Pass
5	7923.749	55.64	74.0	18.36	Peak	299.00	400	Vertical	Pass
5**	7923.749	44.18	54.0	9.82	AV	299.00	400	Vertical	Pass
6	9828.003	49.36	74.0	24.64	Peak	228.00	400	Vertical	Pass
6**	9828.003	39.27	54.0	14.73	AV	228.00	400	Vertical	Pass

HIGH CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1298.166	44.15	74.0	29.85	Peak	130.00	400	Horizontal	Pass
1**	1298.166	35.57	54.0	18.43	AV	130.00	400	Horizontal	Pass
2	2903.114	54.42	74.0	19.58	Peak	81.00	100	Horizontal	Pass
2**	2903.114	45.06	54.0	8.94	AV	81.00	100	Horizontal	Pass
3	3702.881	45.97	74.0	28.03	Peak	92.00	200	Horizontal	Pass
3**	3702.881	36.74	54.0	17.26	AV	92.00	200	Horizontal	Pass
4	4238.819	45.94	74.0	28.06	Peak	313.00	400	Horizontal	Pass
4**	4238.819	37.54	54.0	16.46	AV	313.00	400	Horizontal	Pass
5	6359.362	50.25	74.0	23.75	Peak	39.00	400	Horizontal	Pass
5**	6359.362	41.02	54.0	12.99	AV	39.00	400	Horizontal	Pass
6	8102.240	45.77	74.0	28.23	Peak	276.00	300	Horizontal	Pass
6**	8102.240	35.98	54.0	18.02	AV	276.00	300	Horizontal	Pass

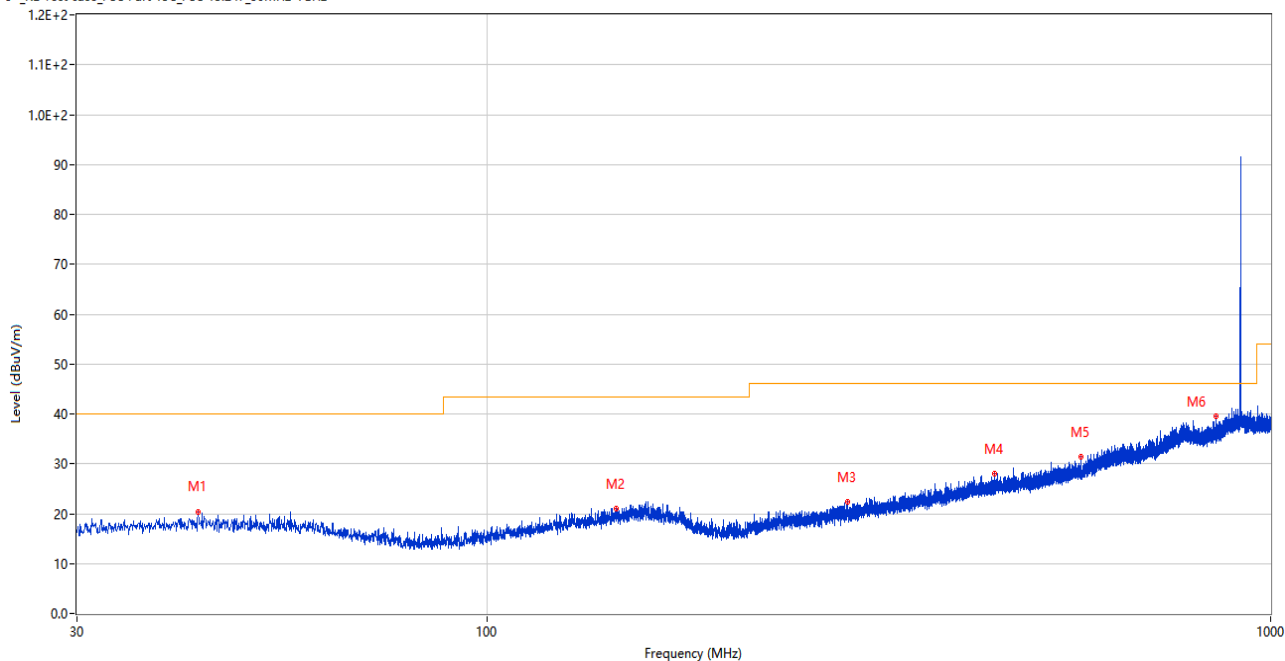
HIGH CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.729	48.60	74.0	25.40	Peak	225.00	200	Vertical	Pass
1**	1329.729	41.27	54.0	12.73	AV	225.00	200	Vertical	Pass
2	2656.336	55.76	74.0	18.25	Peak	303.00	200	Vertical	Pass
2**	2656.336	45.19	54.0	8.81	AV	303.00	200	Vertical	Pass
3	4901.882	50.16	74.0	23.84	Peak	122.00	200	Vertical	Pass
3**	4901.882	40.51	54.0	13.49	AV	122.00	200	Vertical	Pass
4	6647.729	53.74	74.0	20.27	Peak	60.00	200	Vertical	Pass
4**	6647.729	44.37	54.0	9.63	AV	60.00	200	Vertical	Pass
5	7921.963	55.62	74.0	18.38	Peak	50.00	400	Vertical	Pass
5**	7921.963	44.12	54.0	9.88	AV	50.00	400	Vertical	Pass
6	9830.715	49.16	74.0	24.84	Peak	325.00	400	Vertical	Pass
6**	9830.715	39.27	54.0	14.74	AV	325.00	400	Vertical	Pass

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LOW CHANNEL, 30 MHz to 1 GHz, ANT H

3# RE Test case_FCC Part 15C_FCC 15.247_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.840	20.54	40.0	19.46	Peak	186.00	100	Horizontal	Pass
2	144.179	21.04	43.5	22.46	Peak	186.00	100	Horizontal	Pass
3	288.287	22.48	46.0	23.52	Peak	26.00	200	Horizontal	Pass
4	443.884	27.95	46.0	18.05	Peak	26.00	200	Horizontal	Pass
5	569.697	31.43	46.0	14.58	Peak	21.00	200	Horizontal	Pass
6	848.334	39.40	46.0	6.61	Peak	21.00	200	Horizontal	Pass

LOW CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	39.781	21.48	40.0	18.52	Peak	247.00	200	Vertical	Pass
2	81.229	24.03	40.0	15.97	Peak	247.00	200	Vertical	Pass
3	172.896	21.33	43.5	22.17	Peak	10.00	400	Vertical	Pass
4	385.562	17.94	46.0	28.06	Peak	10.00	400	Vertical	Pass
5	658.231	25.09	46.0	20.91	Peak	22.00	200	Vertical	Pass
6	863.899	33.73	46.0	12.27	Peak	22.00	200	Vertical	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.526	20.03	40.0	19.97	Peak	281.00	100	Horizontal	Pass
2	85.638	24.07	40.0	15.93	Peak	281.00	200	Horizontal	Pass
3	92.529	22.61	43.5	20.89	Peak	79.00	400	Horizontal	Pass
4	161.258	20.01	43.5	23.49	Peak	79.00	200	Horizontal	Pass
5	267.669	18.69	46.0	27.31	Peak	21.00	200	Horizontal	Pass
6	673.613	27.97	46.0	18.03	Peak	21.00	400	Horizontal	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.384	21.48	40.0	18.52	Peak	270.00	200	Vertical	Pass
2	86.608	23.16	40.0	16.84	Peak	270.00	300	Vertical	Pass
3	171.520	22.82	43.5	20.68	Peak	55.00	400	Vertical	Pass
4	383.927	20.06	46.0	25.94	Peak	55.00	300	Vertical	Pass
5	662.961	24.42	46.0	21.58	Peak	41.00	200	Vertical	Pass
6	864.216	32.33	46.0	13.68	Peak	41.00	100	Vertical	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT H

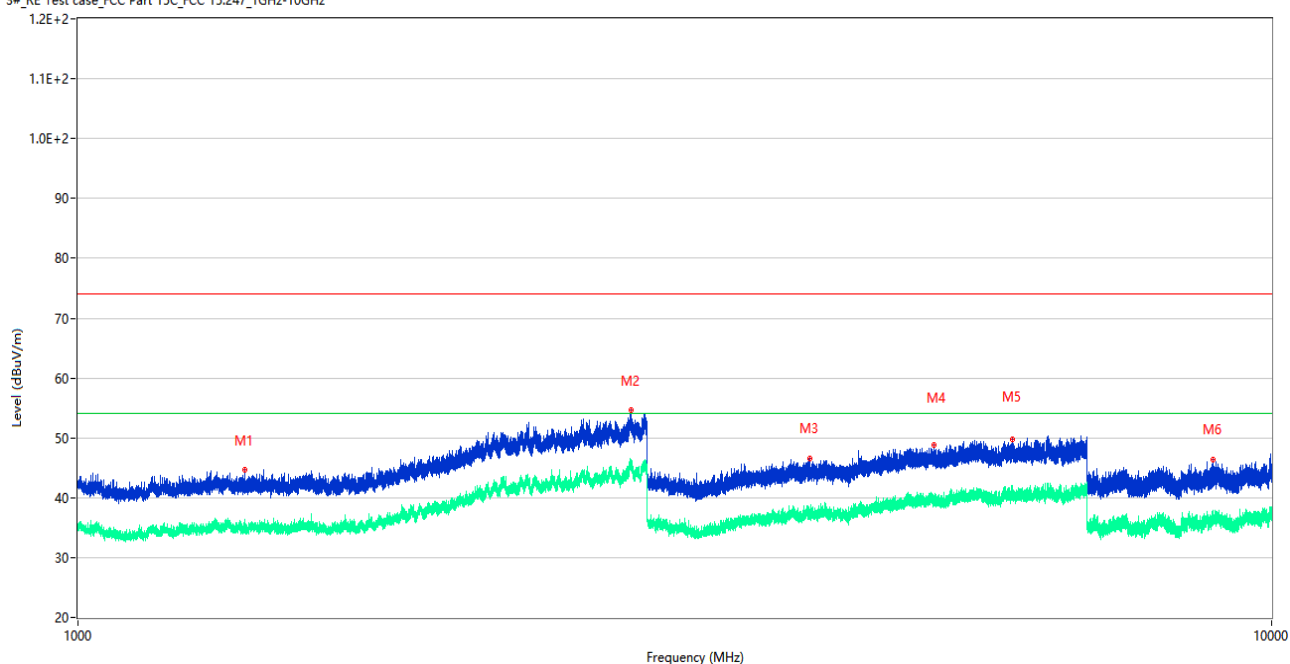
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.521	21.62	40.0	18.38	Peak	108.00	100	Horizontal	Pass
2	84.679	25.41	40.0	14.59	Peak	108.00	300	Horizontal	Pass
3	93.957	21.67	43.5	21.83	Peak	244.00	300	Horizontal	Pass
4	161.272	23.72	43.5	19.78	Peak	244.00	400	Horizontal	Pass
5	272.772	18.95	46.0	27.05	Peak	251.00	400	Horizontal	Pass
6	671.250	27.47	46.0	18.53	Peak	251.00	100	Horizontal	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.574	23.86	40.0	16.14	Peak	304.00	300	Vertical	Pass
2	141.766	26.75	43.5	16.75	Peak	304.00	300	Vertical	Pass
3	154.623	21.54	43.5	21.96	Peak	90.00	200	Vertical	Pass
4	403.997	18.98	46.0	27.02	Peak	90.00	200	Vertical	Pass
5	640.688	27.90	46.0	18.11	Peak	105.00	200	Vertical	Pass
6	774.275	31.21	46.0	14.79	Peak	105.00	200	Vertical	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_1GHz-10GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1381.713	44.94	74.0	29.06	Peak	4.00	100	Horizontal	Pass
1**	1381.713	34.72	54.0	19.28	AV	4.00	100	Horizontal	Pass
2	2909.669	54.61	74.0	19.39	Peak	33.00	200	Horizontal	Pass
2**	2909.669	45.08	54.0	8.92	AV	33.00	200	Horizontal	Pass
3	4104.325	46.76	74.0	27.24	Peak	103.00	200	Horizontal	Pass
3**	4104.325	37.56	54.0	16.44	AV	103.00	200	Horizontal	Pass
4	5215.348	48.85	74.0	25.15	Peak	280.00	200	Horizontal	Pass
4**	5215.348	39.46	54.0	14.54	AV	280.00	200	Horizontal	Pass
5	6058.540	49.79	74.0	24.21	Peak	153.00	300	Horizontal	Pass
5**	6058.540	40.31	54.0	13.69	AV	153.00	300	Horizontal	Pass
6	8923.003	46.39	74.0	27.61	Peak	136.00	400	Horizontal	Pass
6**	8923.003	36.05	54.0	17.95	AV	136.00	400	Horizontal	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.116	48.94	74.0	25.06	Peak	318.00	400	Vertical	Pass
1**	1333.116	41.43	54.0	12.57	AV	318.00	400	Vertical	Pass
2	2666.218	55.94	74.0	18.06	Peak	346.00	100	Vertical	Pass
2**	2666.218	44.46	54.0	9.54	AV	346.00	100	Vertical	Pass
3	4906.824	50.26	74.0	23.74	Peak	349.00	200	Vertical	Pass
3**	4906.824	40.60	54.0	13.40	AV	349.00	200	Vertical	Pass
4	6655.317	53.88	74.0	20.12	Peak	269.00	100	Vertical	Pass
4**	6655.317	44.22	54.0	9.78	AV	269.00	100	Vertical	Pass
5	7924.210	55.68	74.0	18.32	Peak	180.00	100	Vertical	Pass
5**	7924.210	44.48	54.0	9.52	AV	180.00	100	Vertical	Pass
6	9825.856	49.26	74.0	24.74	Peak	82.00	100	Vertical	Pass
6**	9825.856	39.32	54.0	14.68	AV	82.00	100	Vertical	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.006	44.79	74.0	29.21	Peak	111.00	300	Horizontal	Pass
1**	1383.006	34.43	54.0	19.57	AV	111.00	300	Horizontal	Pass
2	2907.071	54.47	74.0	19.53	Peak	286.00	200	Horizontal	Pass
2**	2907.071	44.92	54.0	9.09	AV	286.00	200	Horizontal	Pass
3	4106.630	46.61	74.0	27.39	Peak	231.00	200	Horizontal	Pass
3**	4106.630	37.53	54.0	16.47	AV	231.00	200	Horizontal	Pass
4	5211.414	48.71	74.0	25.29	Peak	204.00	300	Horizontal	Pass
4**	5211.414	39.22	54.0	14.78	AV	204.00	300	Horizontal	Pass
5	6055.772	49.78	74.0	24.22	Peak	256.00	400	Horizontal	Pass
5**	6055.772	40.26	54.0	13.74	AV	256.00	400	Horizontal	Pass
6	8921.888	46.34	74.0	27.66	Peak	63.00	200	Horizontal	Pass
6**	8921.888	35.76	54.0	18.24	AV	63.00	200	Horizontal	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.452	48.72	74.0	25.28	Peak	172.00	300	Vertical	Pass
1**	1332.452	41.19	54.0	12.81	AV	172.00	300	Vertical	Pass
2	2666.608	55.80	74.0	18.20	Peak	212.00	200	Vertical	Pass
2**	2666.608	44.45	54.0	9.55	AV	212.00	200	Vertical	Pass
3	4907.738	50.23	74.0	23.77	Peak	57.00	200	Vertical	Pass
3**	4907.738	40.56	54.0	13.44	AV	57.00	200	Vertical	Pass
4	6652.499	53.78	74.0	20.22	Peak	101.00	200	Vertical	Pass
4**	6652.499	44.13	54.0	9.87	AV	101.00	200	Vertical	Pass
5	7925.145	55.59	74.0	18.41	Peak	139.00	300	Vertical	Pass
5**	7925.145	44.33	54.0	9.67	AV	139.00	300	Vertical	Pass
6	9826.404	49.06	74.0	24.94	Peak	316.00	400	Vertical	Pass
6**	9826.404	39.23	54.0	14.77	AV	316.00	400	Vertical	Pass

HIGH CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.748	44.78	74.0	29.22	Peak	22.00	200	Horizontal	Pass
1**	1386.748	34.46	54.0	19.54	AV	22.00	200	Horizontal	Pass
2	2910.613	54.41	74.0	19.59	Peak	228.00	400	Horizontal	Pass
2**	2910.613	44.85	54.0	9.15	AV	228.00	400	Horizontal	Pass
3	4104.338	46.62	74.0	27.38	Peak	73.00	200	Horizontal	Pass
3**	4104.338	37.28	54.0	16.72	AV	73.00	200	Horizontal	Pass
4	5214.112	48.63	74.0	25.37	Peak	227.00	100	Horizontal	Pass
4**	5214.112	39.21	54.0	14.79	AV	227.00	100	Horizontal	Pass
5	6057.419	49.55	74.0	24.45	Peak	194.00	100	Horizontal	Pass
5**	6057.419	40.12	54.0	13.88	AV	194.00	100	Horizontal	Pass
6	8922.821	46.15	74.0	27.85	Peak	187.00	400	Horizontal	Pass
6**	8922.821	36.03	54.0	17.98	AV	187.00	400	Horizontal	Pass

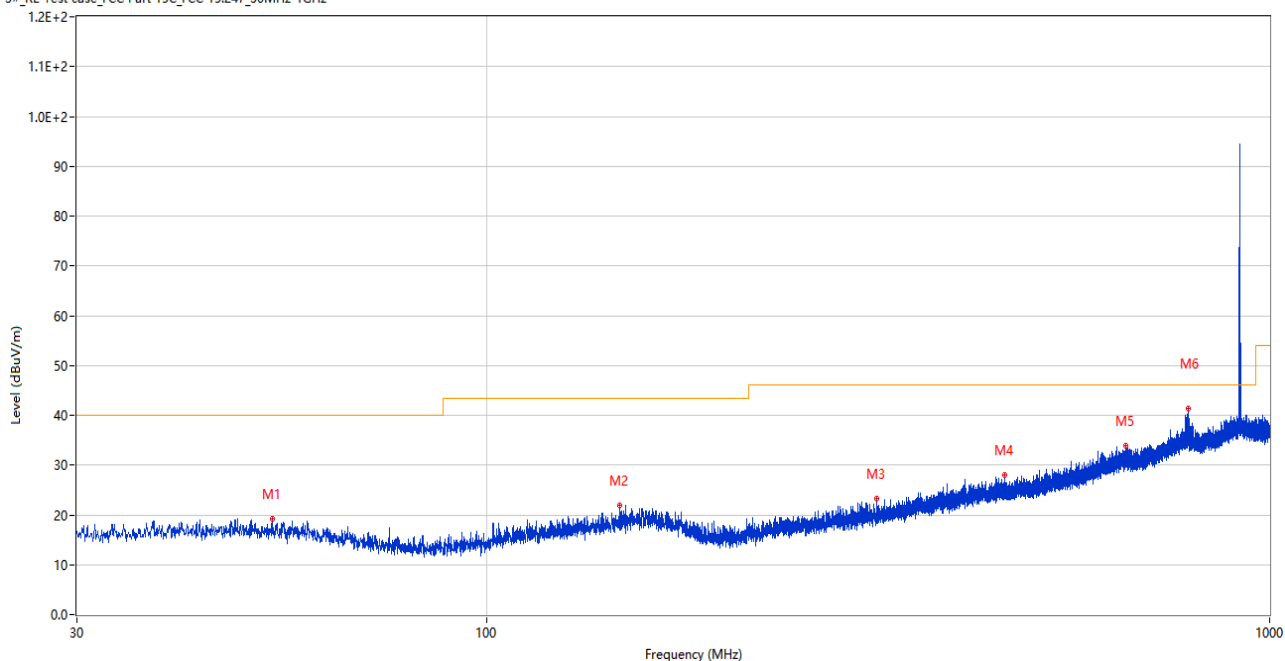
HIGH CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.781	48.85	74.0	25.15	Peak	94.00	200	Vertical	Pass
1**	1333.781	41.40	54.0	12.60	AV	94.00	200	Vertical	Pass
2	2663.789	55.80	74.0	18.20	Peak	256.00	400	Vertical	Pass
2**	2663.789	44.22	54.0	9.78	AV	256.00	400	Vertical	Pass
3	4911.222	49.98	74.0	24.02	Peak	106.00	200	Vertical	Pass
3**	4911.222	40.58	54.0	13.42	AV	106.00	200	Vertical	Pass
4	6651.436	53.65	74.0	20.35	Peak	32.00	400	Vertical	Pass
4**	6651.436	44.17	54.0	9.83	AV	32.00	400	Vertical	Pass
5	7924.520	55.54	74.0	18.46	Peak	210.00	200	Vertical	Pass
5**	7924.520	44.45	54.0	9.55	AV	210.00	200	Vertical	Pass
6	9824.127	49.22	74.0	24.78	Peak	145.00	200	Vertical	Pass
6**	9824.127	39.29	54.0	14.71	AV	145.00	200	Vertical	Pass

AS923-4

LOW CHANNEL, 30 MHz to 1 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.768	18.99	40.0	21.02	Peak	222.00	200	Horizontal	Pass
2	144.076	21.71	43.5	21.79	Peak	222.00	200	Horizontal	Pass
3	313.269	23.25	46.0	22.75	Peak	57.00	200	Horizontal	Pass
4	456.799	28.10	46.0	17.90	Peak	57.00	200	Horizontal	Pass
5	657.446	33.88	46.0	12.13	Peak	151.00	200	Horizontal	Pass
6	786.179	41.38	46.0	4.62	Peak	151.00	200	Horizontal	Pass

LOW CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.638	21.04	40.0	18.96	Peak	260.00	400	Vertical	Pass
2	84.984	24.08	40.0	15.92	Peak	260.00	400	Vertical	Pass
3	172.121	21.13	43.5	22.38	Peak	325.00	100	Vertical	Pass
4	386.817	17.93	46.0	28.07	Peak	325.00	100	Vertical	Pass
5	664.213	25.14	46.0	20.86	Peak	331.00	200	Vertical	Pass
6	862.841	33.49	46.0	12.51	Peak	331.00	200	Vertical	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.368	23.58	40.0	16.42	Peak	193.00	400	Horizontal	Pass
2	81.511	20.21	40.0	19.79	Peak	193.00	200	Horizontal	Pass
3	91.763	23.98	43.5	19.52	Peak	140.00	200	Horizontal	Pass
4	157.512	21.44	43.5	22.06	Peak	140.00	400	Horizontal	Pass
5	273.925	17.76	46.0	28.24	Peak	228.00	100	Horizontal	Pass
6	668.027	26.15	46.0	19.85	Peak	228.00	400	Horizontal	Pass

MIDDLE CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.523	19.91	40.0	20.09	Peak	47.00	400	Vertical	Pass
2	82.481	25.62	40.0	14.38	Peak	47.00	100	Vertical	Pass
3	171.264	19.39	43.5	24.11	Peak	145.00	100	Vertical	Pass
4	381.953	17.94	46.0	28.06	Peak	145.00	100	Vertical	Pass
5	657.242	22.51	46.0	23.49	Peak	11.00	200	Vertical	Pass
6	863.018	34.98	46.0	11.02	Peak	11.00	300	Vertical	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT H

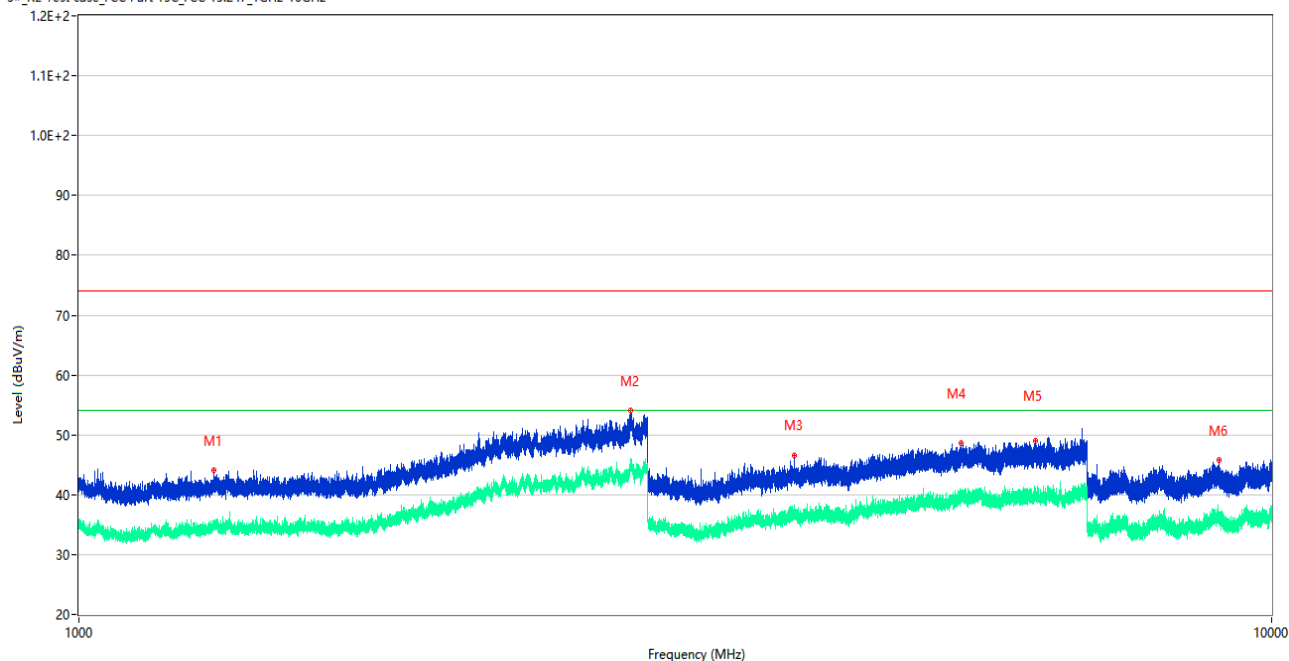
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	39.354	21.50	40.0	18.50	Peak	110.00	200	Horizontal	Pass
2	80.914	27.78	40.0	12.22	Peak	110.00	300	Horizontal	Pass
3	89.791	26.37	43.5	17.13	Peak	222.00	100	Horizontal	Pass
4	160.708	20.63	43.5	22.87	Peak	222.00	100	Horizontal	Pass
5	274.965	17.23	46.0	28.77	Peak	266.00	300	Horizontal	Pass
6	670.341	28.68	46.0	17.32	Peak	266.00	200	Horizontal	Pass

HIGH CHANNEL, 30 MHz to 1 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.865	22.01	40.0	18.00	Peak	111.00	300	Vertical	Pass
2	137.860	23.85	43.5	19.65	Peak	111.00	300	Vertical	Pass
3	154.746	21.69	43.5	21.81	Peak	13.00	300	Vertical	Pass
4	409.578	19.56	46.0	26.44	Peak	13.00	300	Vertical	Pass
5	634.581	23.33	46.0	22.68	Peak	4.00	200	Vertical	Pass
6	777.988	30.73	46.0	15.27	Peak	4.00	200	Vertical	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247_1GHz-10GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1297.500	44.04	74.0	29.96	Peak	360.00	150	Horizontal	Pass
1**	1297.500	35.42	54.0	18.58	AV	360.00	150	Horizontal	Pass
2	2902.100	54.00	74.0	20.00	Peak	360.00	150	Horizontal	Pass
2**	2902.100	45.16	54.0	8.84	AV	360.00	150	Horizontal	Pass
3	3979.000	46.63	74.0	27.37	Peak	360.00	150	Horizontal	Pass
3**	3979.000	36.45	54.0	17.55	AV	360.00	150	Horizontal	Pass
4	5490.400	48.53	74.0	25.47	Peak	360.00	150	Horizontal	Pass
4**	5490.400	40.25	54.0	13.75	AV	360.00	150	Horizontal	Pass
5	6335.200	49.02	74.0	24.98	Peak	360.00	150	Horizontal	Pass
5**	6335.200	39.81	54.0	14.19	AV	360.00	150	Horizontal	Pass
6	9033.850	45.75	74.0	28.25	Peak	360.00	150	Horizontal	Pass
6**	9033.850	35.67	54.0	18.33	AV	360.00	150	Horizontal	Pass

LOW CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.451	49.05	74.0	24.95	Peak	3.00	100	Vertical	Pass
1**	1333.451	41.31	54.0	12.69	AV	3.00	100	Vertical	Pass
2	2659.925	55.88	74.0	18.12	Peak	91.00	300	Vertical	Pass
2**	2659.925	45.34	54.0	8.66	AV	91.00	300	Vertical	Pass
3	4903.441	50.26	74.0	23.75	Peak	216.00	200	Vertical	Pass
3**	4903.441	40.61	54.0	13.39	AV	216.00	200	Vertical	Pass
4	6655.703	53.72	74.0	20.28	Peak	177.00	200	Vertical	Pass
4**	6655.703	44.28	54.0	9.72	AV	177.00	200	Vertical	Pass
5	7927.360	55.90	74.0	18.10	Peak	345.00	400	Vertical	Pass
5**	7927.360	44.41	54.0	9.59	AV	345.00	400	Vertical	Pass
6	9824.865	49.25	74.0	24.75	Peak	142.00	200	Vertical	Pass
6**	9824.865	39.10	54.0	14.90	AV	142.00	200	Vertical	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1303.956	43.97	74.0	30.03	Peak	296.00	300	Horizontal	Pass
1**	1303.956	35.55	54.0	18.45	AV	296.00	300	Horizontal	Pass
2	2906.951	53.81	74.0	20.19	Peak	89.00	200	Horizontal	Pass
2**	2906.951	45.11	54.0	8.89	AV	89.00	200	Horizontal	Pass
3	3977.363	46.87	74.0	27.13	Peak	161.00	200	Horizontal	Pass
3**	3977.363	36.44	54.0	17.56	AV	161.00	200	Horizontal	Pass
4	5492.633	48.43	74.0	25.57	Peak	89.00	200	Horizontal	Pass
4**	5492.633	40.24	54.0	13.76	AV	89.00	200	Horizontal	Pass
5	6328.471	49.03	74.0	24.97	Peak	132.00	100	Horizontal	Pass
5**	6328.471	39.94	54.0	14.06	AV	132.00	100	Horizontal	Pass
6	9028.075	45.97	74.0	28.03	Peak	41.00	400	Horizontal	Pass
6**	9028.075	35.43	54.0	18.57	AV	41.00	400	Horizontal	Pass

MIDDLE CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.624	48.79	74.0	25.21	Peak	342.00	100	Vertical	Pass
1**	1332.624	41.08	54.0	12.92	AV	342.00	100	Vertical	Pass
2	2663.805	55.77	74.0	18.23	Peak	308.00	100	Vertical	Pass
2**	2663.805	45.08	54.0	8.92	AV	308.00	100	Vertical	Pass
3	4903.186	49.96	74.0	24.04	Peak	316.00	200	Vertical	Pass
3**	4903.186	40.60	54.0	13.40	AV	316.00	200	Vertical	Pass
4	6654.441	53.44	74.0	20.56	Peak	308.00	200	Vertical	Pass
4**	6654.441	43.98	54.0	10.02	AV	308.00	200	Vertical	Pass
5	7927.363	55.66	74.0	18.35	Peak	188.00	400	Vertical	Pass
5**	7927.363	44.41	54.0	9.59	AV	188.00	400	Vertical	Pass
6	9822.757	48.98	74.0	25.02	Peak	136.00	400	Vertical	Pass
6**	9822.757	38.83	54.0	15.17	AV	136.00	400	Vertical	Pass

HIGH CHANNEL 1 GHz to 12.75 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.028	44.07	74.0	29.93	Peak	41.00	400	Horizontal	Pass
1**	1300.028	35.35	54.0	18.65	AV	41.00	400	Horizontal	Pass
2	2908.005	53.82	74.0	20.18	Peak	321.00	300	Horizontal	Pass
2**	2908.005	45.12	54.0	8.88	AV	321.00	300	Horizontal	Pass
3	3980.912	46.73	74.0	27.27	Peak	72.00	200	Horizontal	Pass
3**	3980.912	36.48	54.0	17.52	AV	72.00	200	Horizontal	Pass
4	5496.614	48.32	74.0	25.68	Peak	47.00	400	Horizontal	Pass
4**	5496.614	40.17	54.0	13.83	AV	47.00	400	Horizontal	Pass
5	6324.655	49.04	74.0	24.96	Peak	171.00	400	Horizontal	Pass
5**	6324.655	39.91	54.0	14.09	AV	171.00	400	Horizontal	Pass
6	9027.833	45.81	74.0	28.19	Peak	89.00	200	Horizontal	Pass
6**	9027.833	35.46	54.0	18.54	AV	89.00	200	Horizontal	Pass

HIGH CHANNEL 1 GHz to 12.75 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.602	48.78	74.0	25.23	Peak	315.00	400	Vertical	Pass
1**	1334.602	41.29	54.0	12.71	AV	315.00	400	Vertical	Pass
2	2664.376	55.85	74.0	18.15	Peak	85.00	300	Vertical	Pass
2**	2664.376	45.34	54.0	8.66	AV	85.00	300	Vertical	Pass
3	4899.909	50.25	74.0	23.75	Peak	110.00	200	Vertical	Pass
3**	4899.909	40.48	54.0	13.52	AV	110.00	200	Vertical	Pass
4	6653.771	53.48	74.0	20.52	Peak	17.00	300	Vertical	Pass
4**	6653.771	44.07	54.0	9.93	AV	17.00	300	Vertical	Pass
5	7928.991	55.90	74.0	18.10	Peak	68.00	300	Vertical	Pass
5**	7928.991	44.21	54.0	9.79	AV	68.00	300	Vertical	Pass
6	9826.679	49.24	74.0	24.76	Peak	356.00	200	Vertical	Pass
6**	9826.679	38.92	54.0	15.08	AV	356.00	200	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ⁴: The Level (dBuV/m) has been corrected by factor.

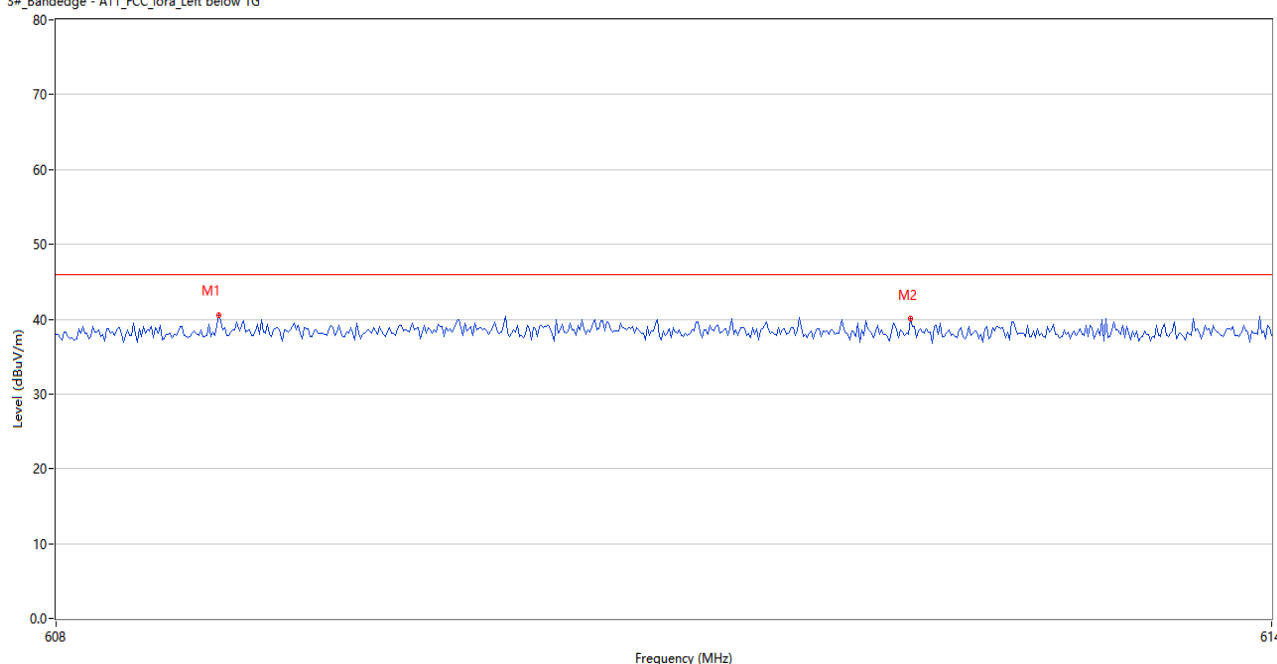
Note ⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

AS923-1

608 MHz to 614 MHz

3#_Bandedge - ATT_FCC_lora_Left below 1G



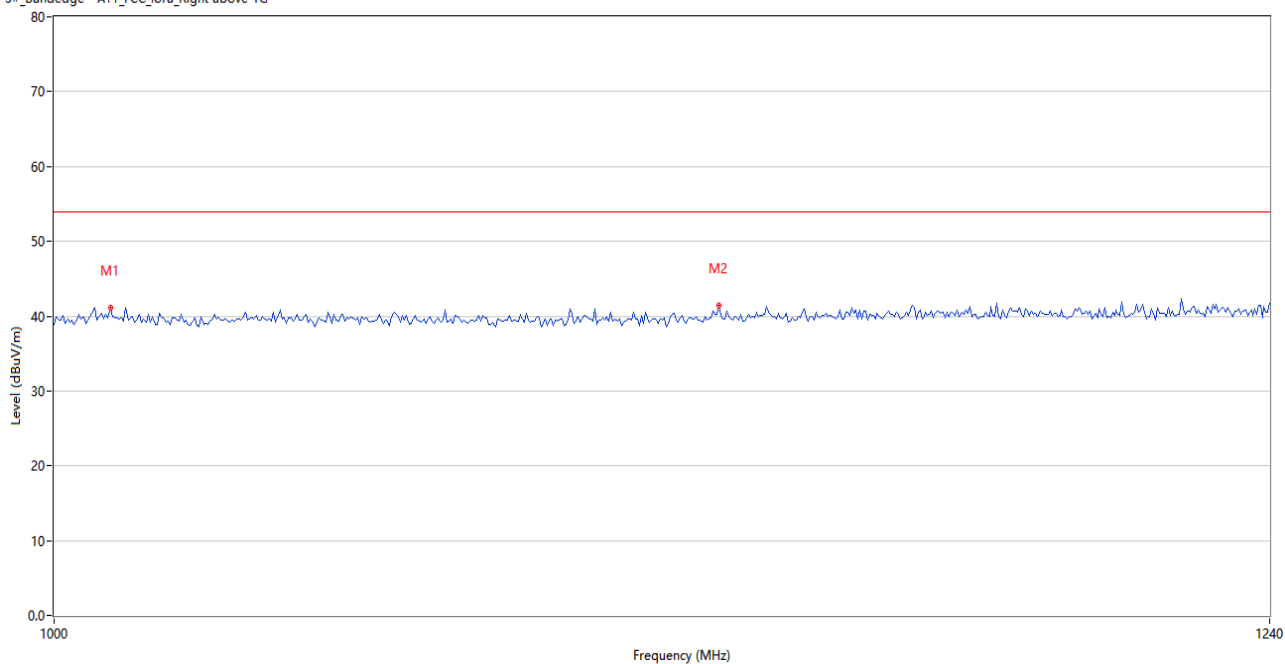
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	606.693	39.78	46.0	6.22	Peak	188.00	300	Horizontal	Pass
2	612.210	39.63	46.0	6.37	Peak	133.00	200	Horizontal	Pass

960 MHz to 1 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	959.507	39.57	54.0	14.43	Peak	316.00	100	Horizontal	Pass
2	963.720	39.58	54.0	14.42	Peak	32.00	100	Horizontal	Pass

1 GHz to 1.24 GHz

3#_Bandedge - ATT_FCC_lora_Right above 1G

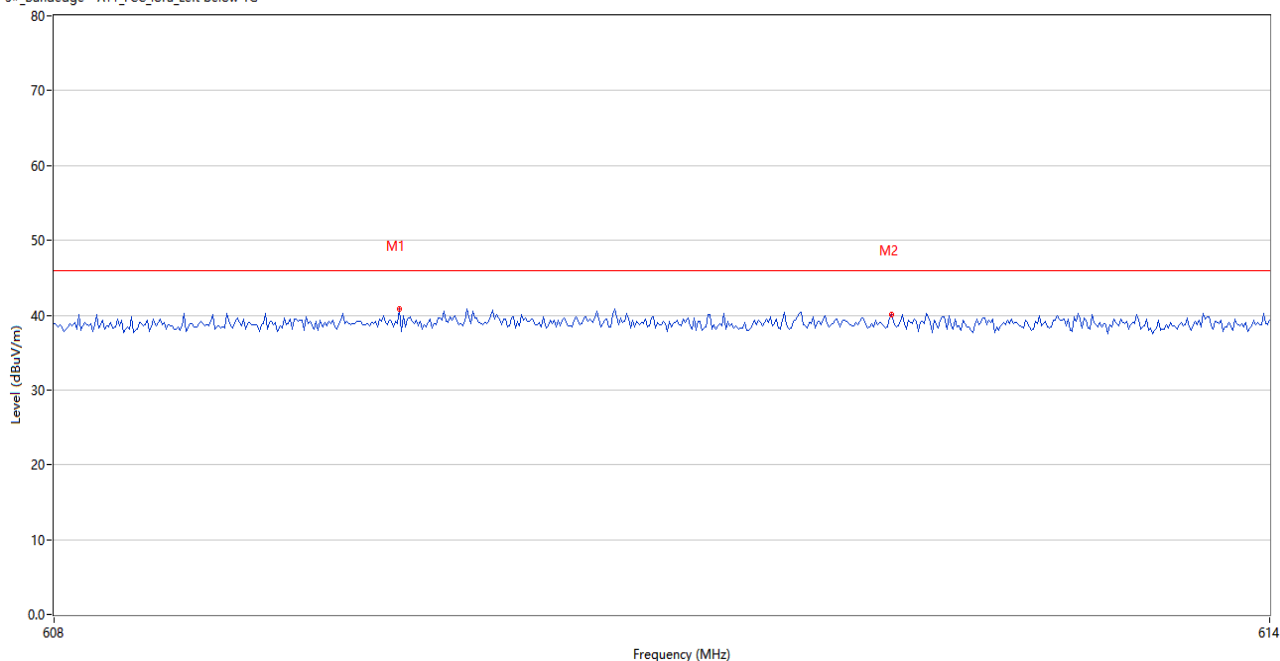


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1008.002	40.38	54.0	13.62	Peak	109.00	300	Horizontal	Pass
2	1124.800	39.81	54.0	14.19	Peak	183.00	200	Horizontal	Pass

AS923-2

608 MHz to 614 MHz

3#_Bandedge - ATT_FCC_lora_Left below 1G



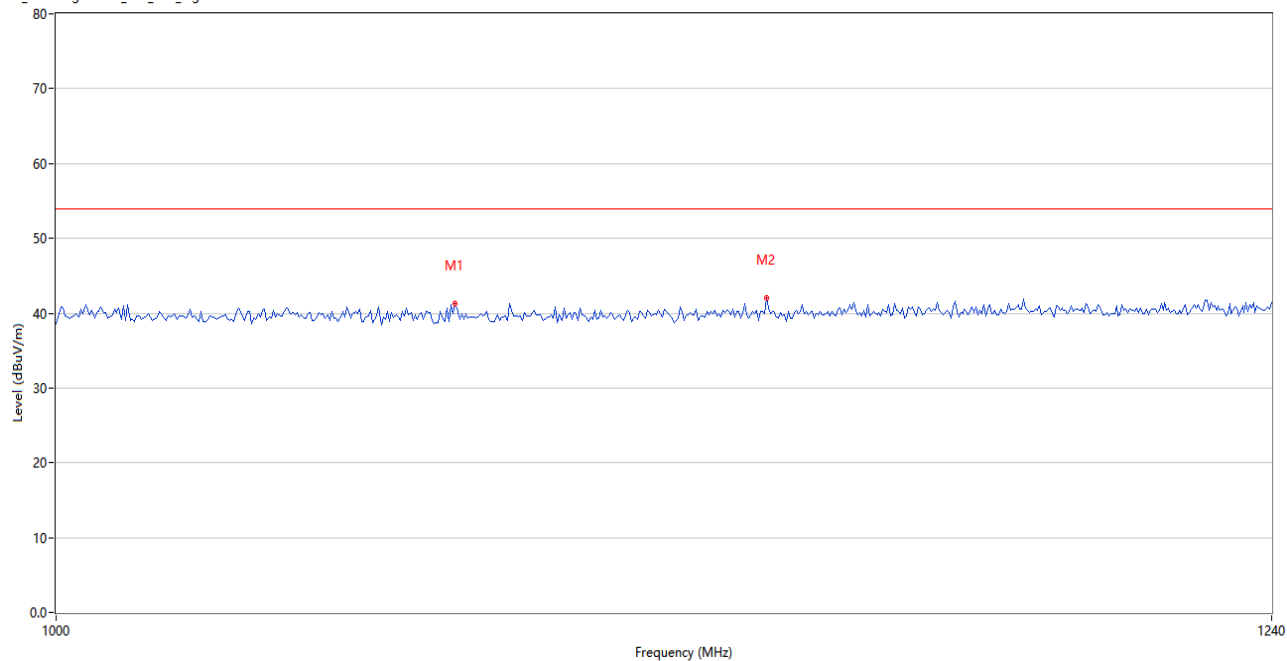
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	607.893	38.47	46.0	7.53	Peak	337.00	200	Horizontal	Pass
2	612.130	40.2	46.0	5.80	Peak	174.00	200	Horizontal	Pass

960 MHz to 1 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	960.245	39.4	54.0	14.60	Peak	43.00	200	Horizontal	Pass
2	963.720	39.77	54.0	14.23	Peak	348.00	200	Horizontal	Pass

1 GHz to 1.24 GHz

3#_Bandedge - ATT_FCC_lora_Right above 1G

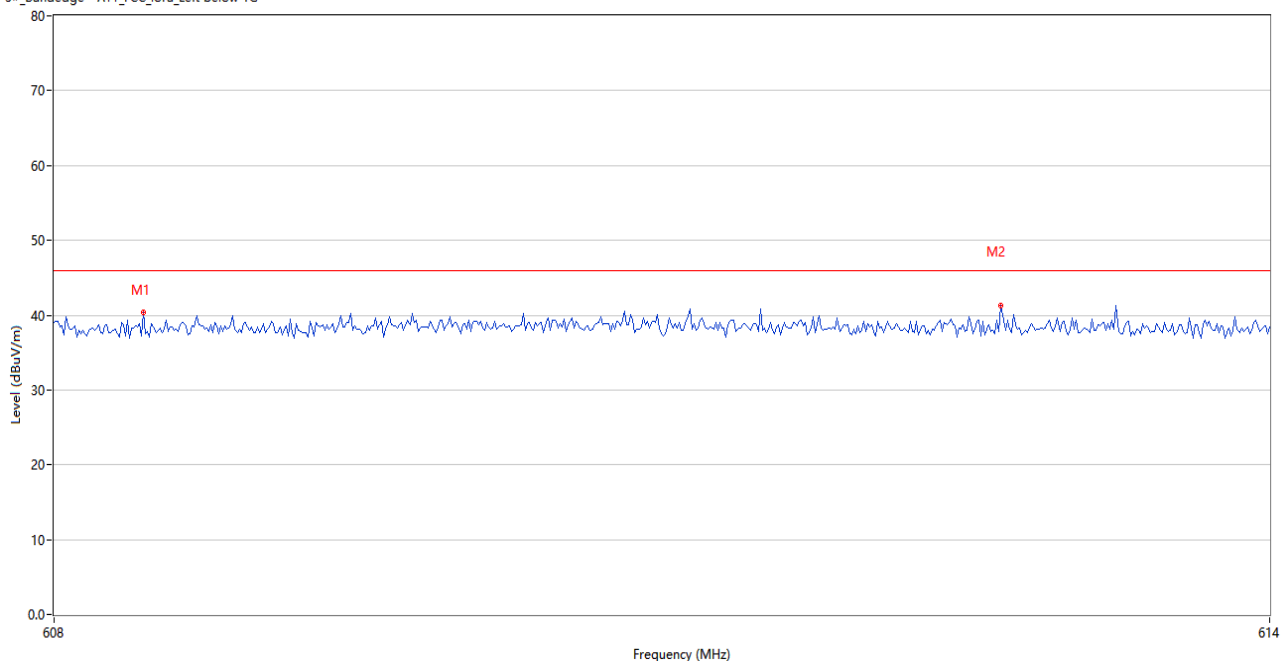


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1072.592	38.77	54.0	15.23	Peak	219.00	200	Horizontal	Pass
2	1134.000	40.22	54.0	13.78	Peak	261.00	300	Horizontal	Pass

AS923-3

608 MHz to 614 MHz

3#_Bandedge - ATT_FCC_lora_Left below 1G



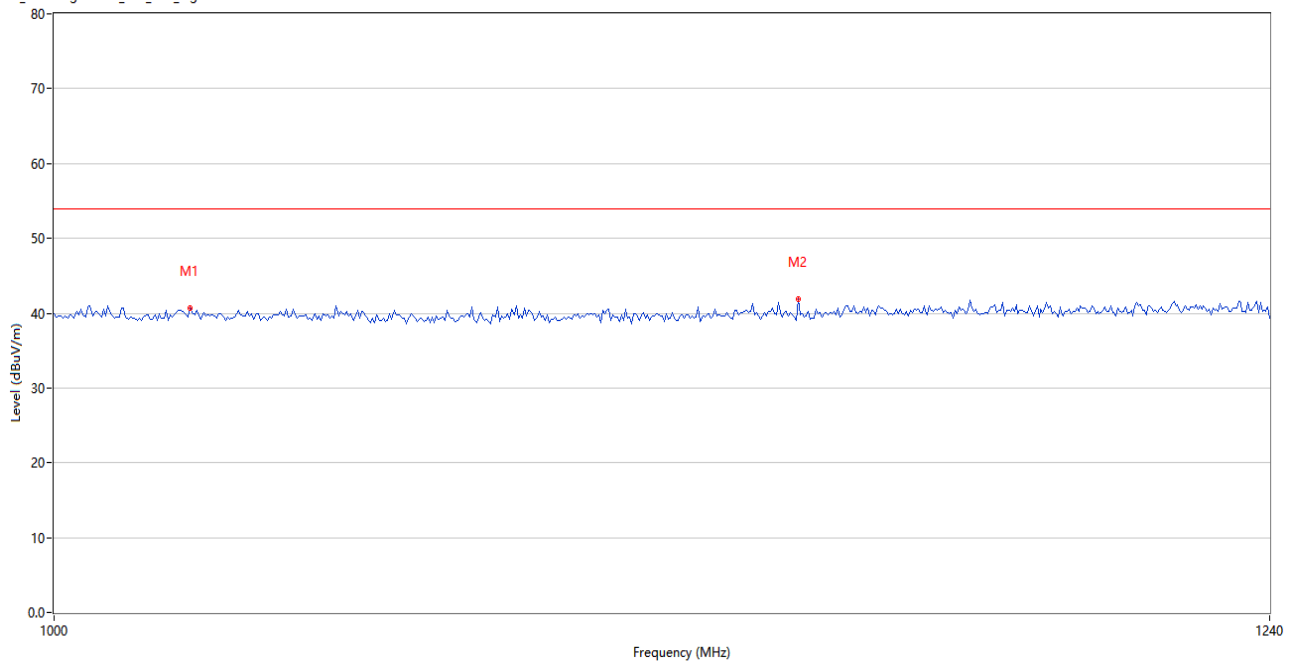
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	608.206	41.43	46.0	4.57	Peak	73.00	300	Horizontal	Pass
2	612.670	39.36	46.0	6.64	Peak	39.00	200	Horizontal	Pass

960 MHz to 1 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	960.828	40.24	54.0	13.76	Peak	160.00	300	Horizontal	Pass
2	963.720	40.05	54.0	13.95	Peak	209.00	300	Horizontal	Pass

1 GHz to 1.24 GHz

3#_Bandedge - ATT_FCC_lora_Right above 1G

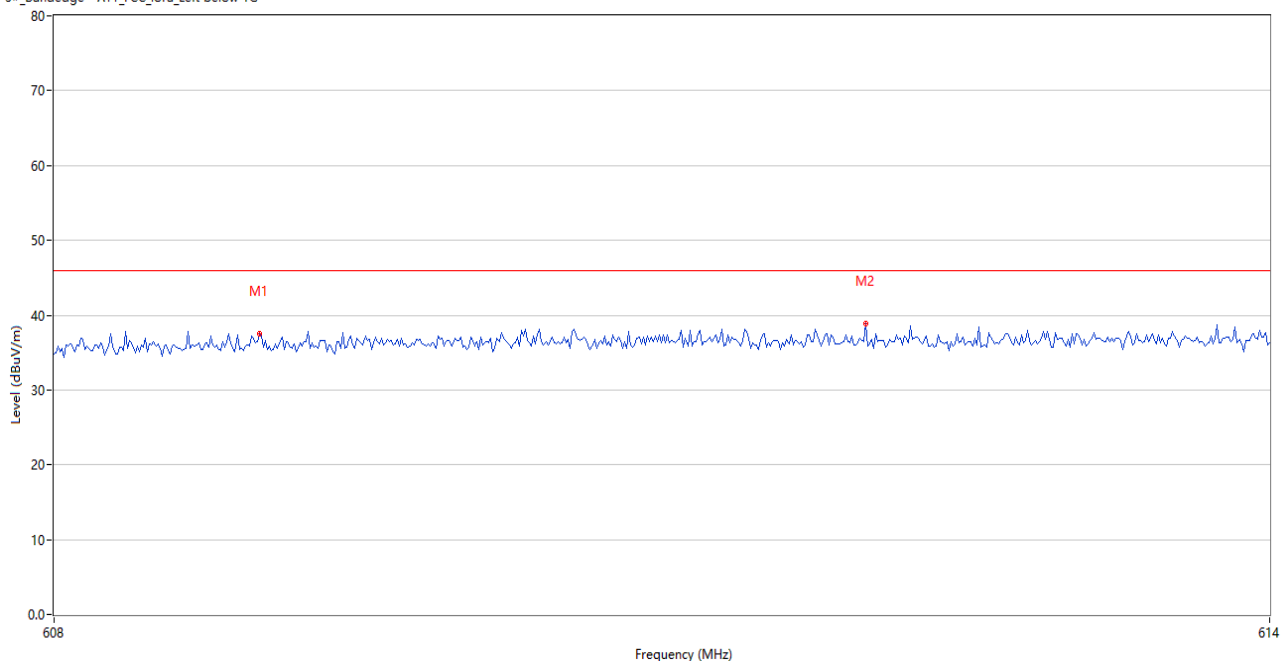


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1021.463	41.41	54.0	12.59	Peak	302.00	200	Horizontal	Pass
2	1140.800	42.46	54.0	11.54	Peak	239.00	100	Horizontal	Pass

AS923-4

608 MHz to 614 MHz

3#_Bandedge - ATT_FCC_lora_Left below 1G



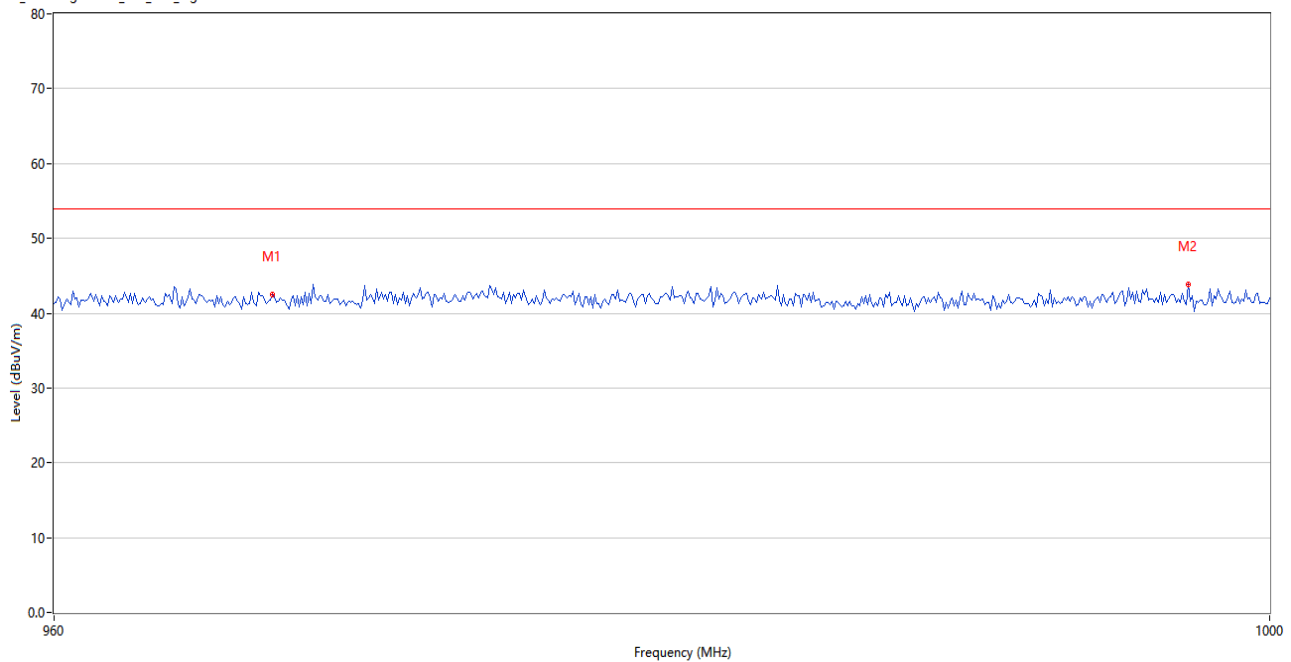
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	607.113	36.61	46.0	9.39	Peak	49.00	100	Horizontal	Pass
2	612.000	38.82	46.0	7.18	Peak	212.00	100	Horizontal	Pass

960 MHz to 1 GHz

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1005.527	45.09	54.0	8.91	Peak	208.00	200	Horizontal	Pass
2	1020.400	44.07	54.0	9.93	Peak	68.00	100	Horizontal	Pass

1 GHz to 1.24 GHz

3#_Bandedge - ATT_FCC_lora_Right below 1G



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	964.523	43.25	54.0	10.75	Peak	99.00	100	Horizontal	Pass
2	997.267	44.86	54.0	9.14	Peak	194.00	200	Horizontal	Pass

A.8 Power Spectral Density (PSD)

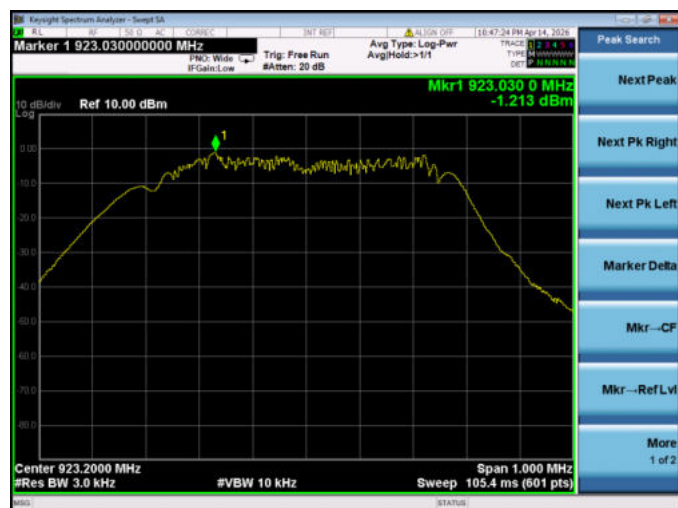
AS923-1

Test Data

LoRa			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-1.213	8	Pass
Middle Channel	-1.230	8	Pass
High Channel	-1.210	8	Pass

Test Plots

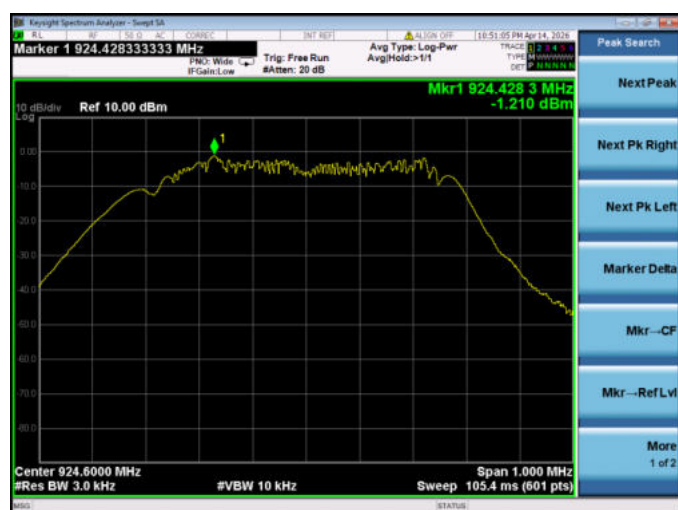
LOW CHANNEL



MIDDLE CHANNEL



HIGH CHANNEL



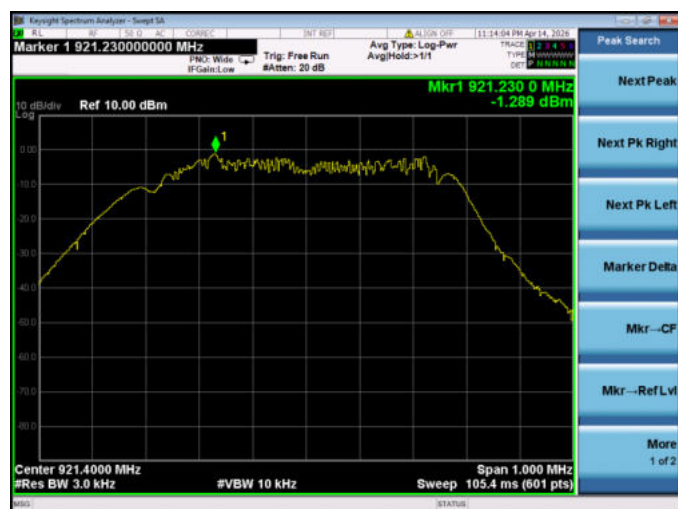
AS923-2

Test Data

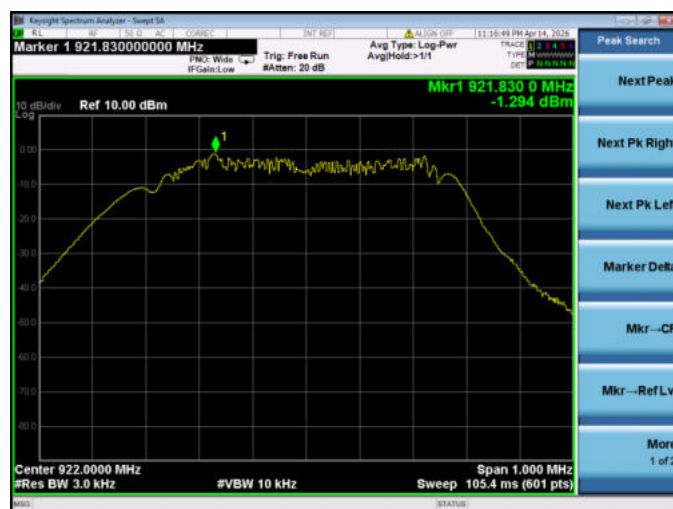
LoRa			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-1.289	8	Pass
Middle Channel	-1.294	8	Pass
High Channel	-1.294	8	Pass

Test Plots

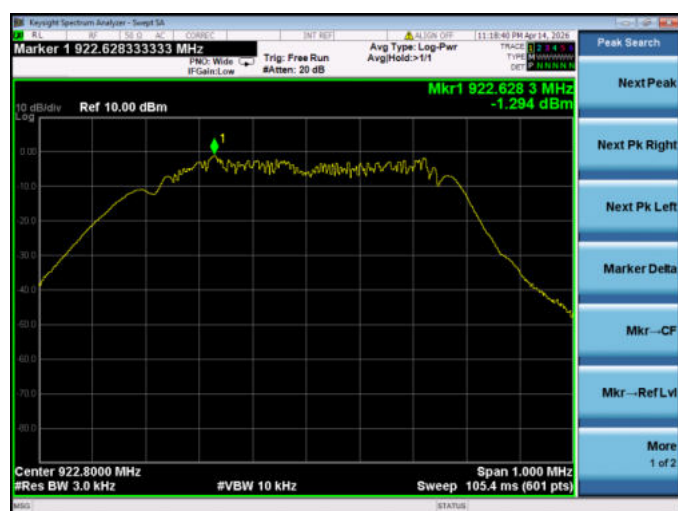
LOW CHANNEL



MIDDLE CHANNEL



HIGH CHANNEL



AS923-3

Test Data

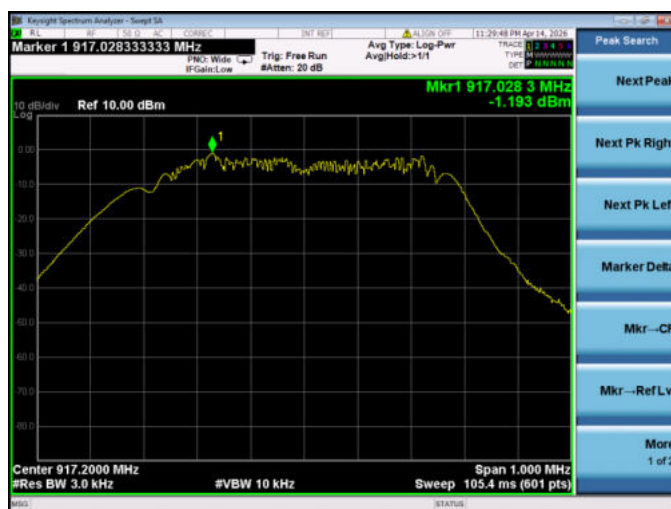
LoRa			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-1.170	8	Pass
Middle Channel	-1.193	8	Pass
High Channel	-1.216	8	Pass

Test Plots

LOW CHANNEL



MIDDLE CHANNEL



HIGH CHANNEL



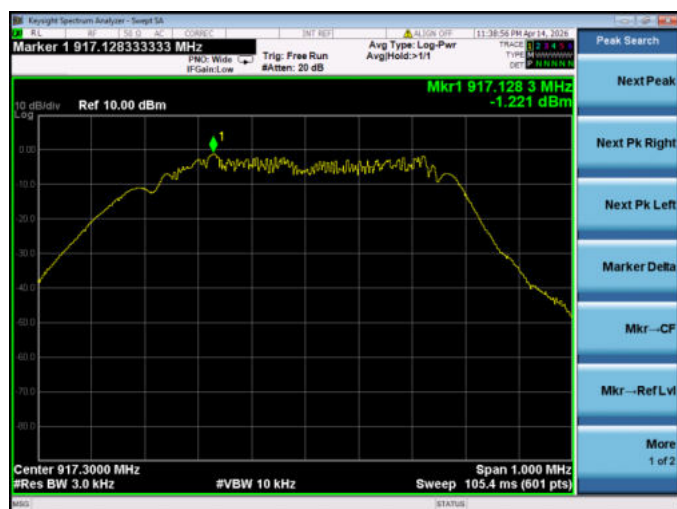
AS923-4

Test Data

LoRa			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-1.221	8	Pass
Middle Channel	-1.195	8	Pass
High Channel	-1.226	8	Pass

Test Plots

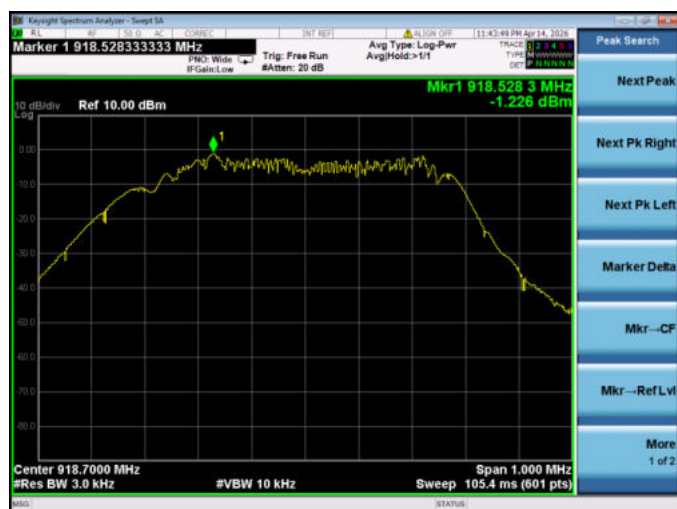
LOW CHANNEL



MIDDLE CHANNEL



HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26030493-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26030493-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26030493-AI.PDF”.

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--END OF REPORT--