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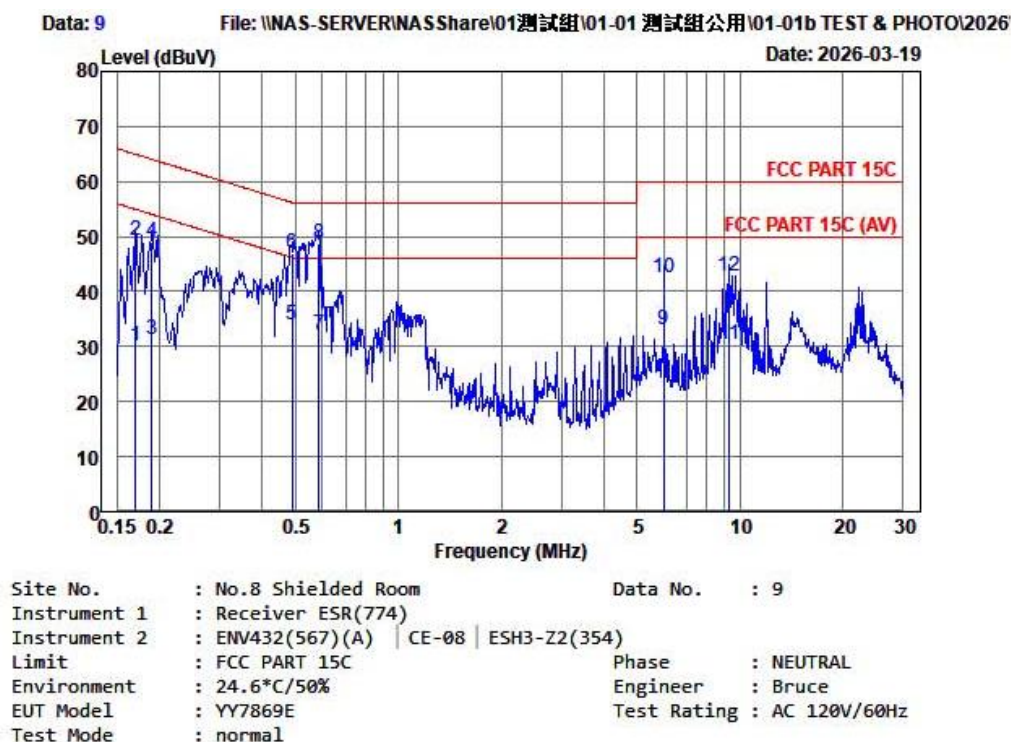
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A.1 CONDUCTED EMISSION

Test Date	2026/03/19	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.170	10.32	0.03	9.86	10.03	30.24	54.94	24.70	Average
2	0.170	10.32	0.03	9.86	29.17	49.38	64.94	15.56	QP
3	0.190	10.31	0.03	9.86	11.04	31.24	54.02	22.78	Average
4	0.190	10.31	0.03	9.86	28.93	49.13	64.02	14.89	QP
5	0.489	10.30	0.03	9.86	13.89	34.08	46.19	12.11	Average
6	0.489	10.30	0.03	9.86	26.79	46.98	56.19	9.21	QP
7	0.585	10.31	0.03	9.86	11.91	32.11	46.00	13.89	Average
8	0.585	10.31	0.03	9.86	28.64	48.84	56.00	7.16	QP
9	5.993	10.48	0.10	9.88	12.49	32.95	50.00	17.05	Average
10	5.993	10.48	0.10	9.88	22.09	42.55	60.00	17.45	QP
11	9.302	10.60	0.13	9.89	9.84	30.46	50.00	19.54	Average
12	9.302	10.60	0.13	9.89	22.23	42.85	60.00	17.15	QP

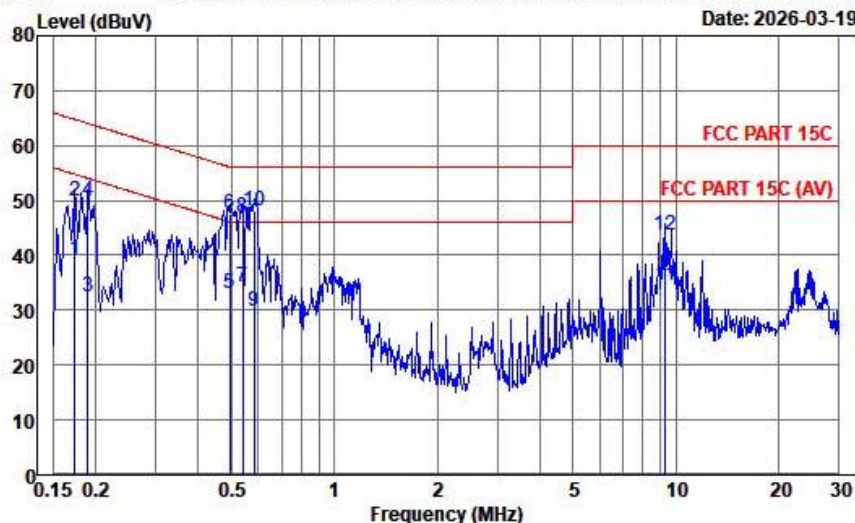
Remarks: 1. Emission Level(dBuV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBuV).

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Test Date	2026/03/19	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng

Data: 10 File: \\NAS-SERVER\\NAS\\Share\\01測試組\\01-01 測試組公用\\01-01b TEST & PHOTO\\2026



Site No. : No.8 Shielded Room Data No. : 10
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432(567)(A) | CE-08 | ESH3-Z2(354)
Limit : FCC PART 15C Phase : LINE
Environment : 24.6°C/50% Engineer : Bruce
EUT Model : YY7869E Test Rating : AC 120V/60Hz
Test Mode : normal

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.174	10.33	0.03	9.86	19.09	39.31	54.77	15.46	Average
2	0.174	10.33	0.03	9.86	29.67	49.89	64.77	14.88	QP
3	0.190	10.33	0.03	9.86	12.22	32.44	54.02	21.58	Average
4	0.190	10.33	0.03	9.86	29.74	49.96	64.02	14.06	QP
5	0.494	10.32	0.03	9.86	12.87	33.08	46.10	13.02	Average
6	0.494	10.32	0.03	9.86	27.21	47.42	56.10	8.68	QP
7	0.541	10.32	0.03	9.86	13.91	34.12	46.00	11.88	Average
8	0.541	10.32	0.03	9.86	26.79	47.00	56.00	9.00	QP
9	0.582	10.32	0.03	9.86	9.59	29.80	46.00	16.20	Average
10	0.582	10.32	0.03	9.86	27.85	48.06	56.00	7.94	QP
11	9.302	10.51	0.13	9.89	14.11	34.64	50.00	15.36	Average
12	9.302	10.51	0.13	9.89	23.10	43.63	60.00	16.37	QP

Remarks: 1. Emission Level(dBuV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBuV).

A.2 RADIATED EMISSION

Test Date	2026/03/03 ~ 16	Temp./Hum.	21°C/62%
Test Voltage	AC 120V, 60Hz	Tested By	Sean Wang

A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

A.2.1.2 Frequency Below 1GHz

● Normal Mode

Mode	Normal Mode	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
64.921	12.78	0.92	0.00	16.45	30.15	40.00	9.85	QP
168.680	16.14	1.47	0.00	9.88	27.49	43.50	16.01	QP
175.500	15.90	1.50	0.00	9.62	27.02	43.50	16.48	QP
254.070	18.84	1.87	0.00	5.16	25.86	46.00	20.14	QP
411.210	22.30	2.55	0.00	3.61	28.46	46.00	17.54	QP
502.390	23.65	2.96	0.00	2.05	28.66	46.00	17.34	QP

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
62.980	12.78	2.07	0.00	17.33	32.18	40.00	7.82	QP
145.430	17.38	3.14	0.00	7.87	28.39	43.50	15.11	QP
172.590	16.01	3.44	0.00	6.59	26.03	43.50	17.47	QP
189.080	15.76	3.59	0.00	8.42	27.77	43.50	15.73	QP
418.970	22.43	6.24	0.00	0.15	28.82	46.00	17.18	QP
448.070	22.87	6.51	0.00	0.63	30.01	46.00	15.99	QP

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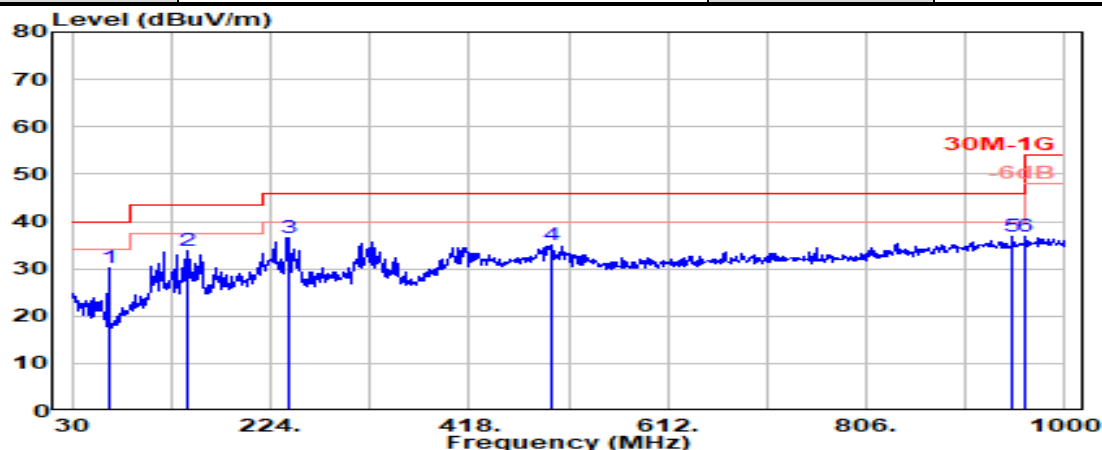
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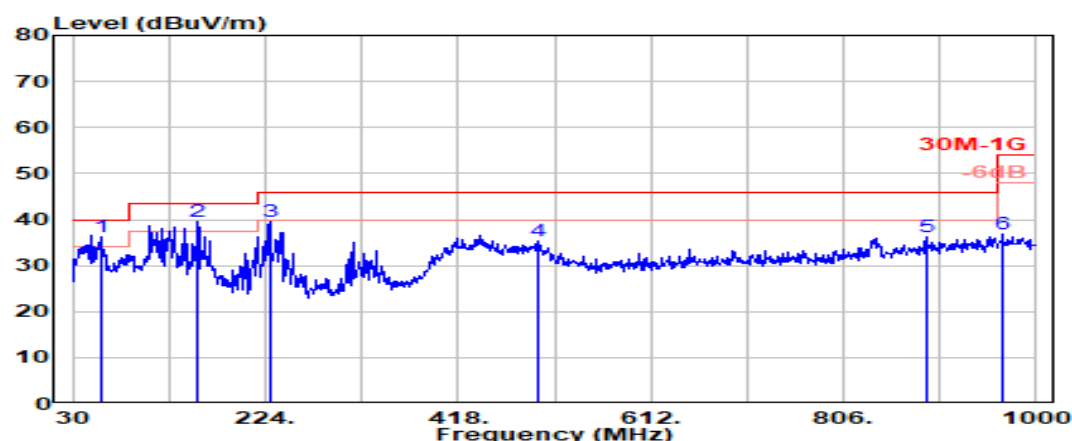
● BT Mode

Mode	GFSK	Frequency	TX 2441MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
66.000	12.79	2.12	26.38	41.80	30.34	40.00	9.66	Peak
144.000	17.48	3.12	26.02	39.36	33.94	43.50	9.56	Peak
241.000	18.27	4.10	25.70	39.81	36.47	46.00	9.53	Peak
499.000	23.61	6.93	27.07	31.51	34.98	46.00	11.02	Peak
949.000	27.04	9.10	26.85	27.61	36.90	46.00	9.10	Peak
962.000	27.13	9.17	26.81	27.29	36.79	54.00	17.21	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
58.000	13.20	1.98	26.41	47.61	36.37	40.00	3.63	Peak
156.000	16.70	3.25	25.96	45.59	39.57	43.50	3.93	Peak
228.000	17.53	3.97	25.73	43.84	39.62	46.00	6.38	Peak
498.000	23.59	6.92	27.07	31.88	35.33	46.00	10.67	Peak
889.000	26.53	8.75	27.02	28.10	36.36	46.00	9.64	Peak
966.000	27.17	9.20	26.80	27.17	36.74	54.00	17.26	Peak

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Mode	8-DPSK				Frequency	TX 2441MHz		
Antenna at Horizontal Polarization								
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.000	22.77	1.42	26.47	26.69	24.42	40.00	15.58	Peak
144.000	17.48	3.12	26.02	39.52	34.11	43.50	9.39	Peak
240.000	18.21	4.09	25.70	40.16	36.75	46.00	9.25	Peak
498.000	23.59	6.92	27.07	31.09	34.54	46.00	11.46	Peak
959.000	27.11	9.16	26.82	27.73	37.17	46.00	8.83	Peak
966.000	27.17	9.20	26.80	28.39	37.96	54.00	16.04	Peak
Antenna at Vertical Polarization								
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
48.000	15.79	1.75	26.45	45.89	36.98	40.00	3.02	Peak
156.000	16.70	3.25	25.96	45.50	39.48	43.50	4.02	Peak
228.000	17.53	3.97	25.73	44.34	40.12	46.00	5.88	Peak
492.000	23.52	6.88	27.03	32.17	35.53	46.00	10.47	Peak
837.000	25.82	8.41	27.12	30.02	37.12	46.00	8.88	Peak
981.000	27.27	9.28	26.75	27.86	37.65	54.00	16.35	Peak

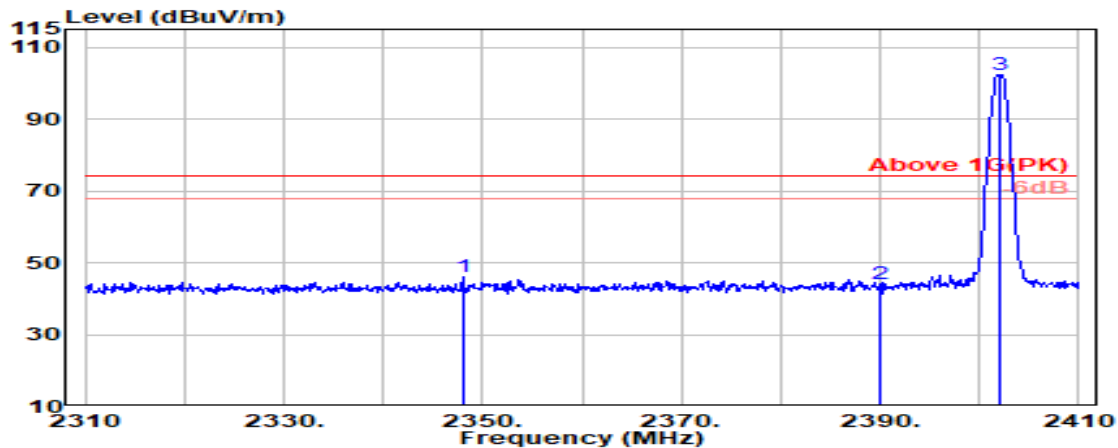
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

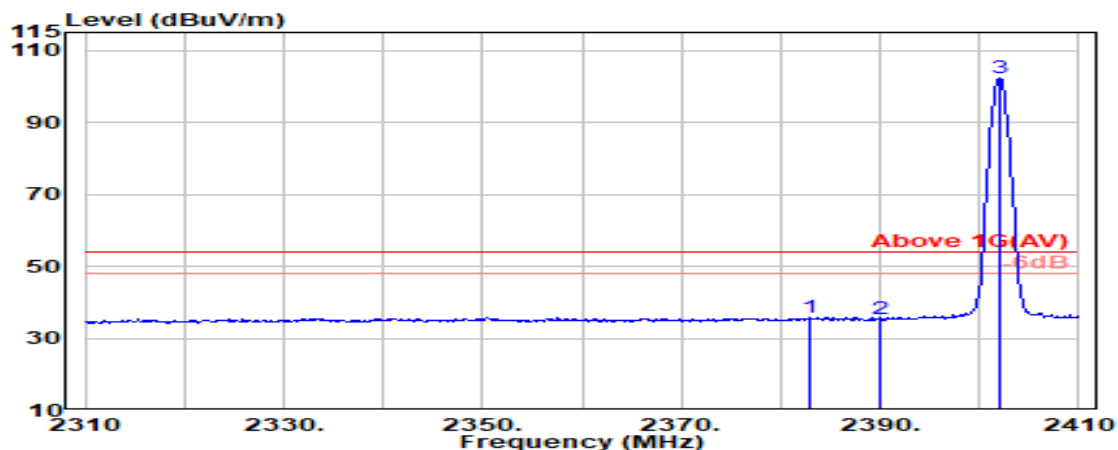
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2348.000	28.19	5.97	39.93	51.64	45.87	74.00	28.13	Peak
2390.000	28.20	6.03	39.93	49.59	43.89	74.00	30.11	Peak
@ 2402.100	28.20	6.05	39.93	108.16	102.48	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2383.000	28.20	6.02	39.93	41.57	35.86	54.00	18.14	Average
2390.000	28.20	6.03	39.93	40.90	35.20	54.00	18.80	Average
@ 2402.000	28.20	6.05	39.93	107.85	102.18	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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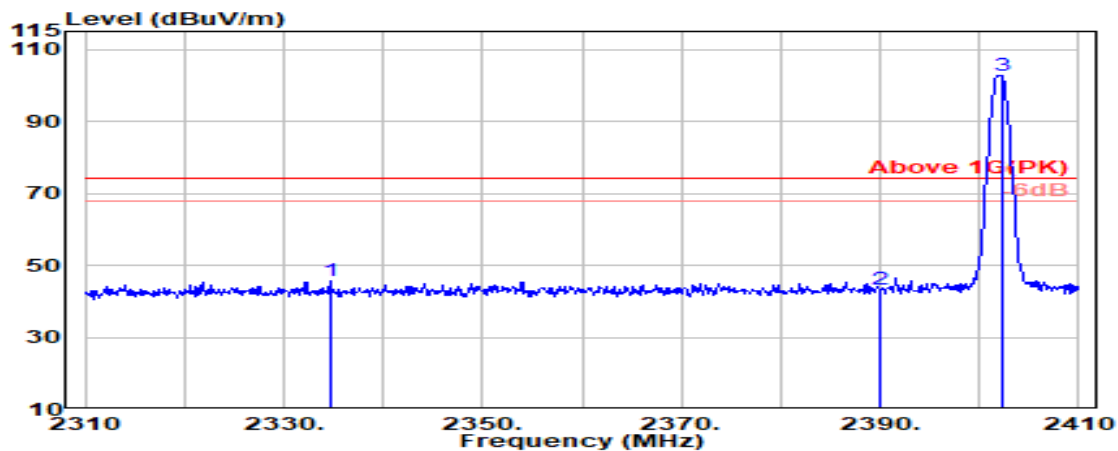
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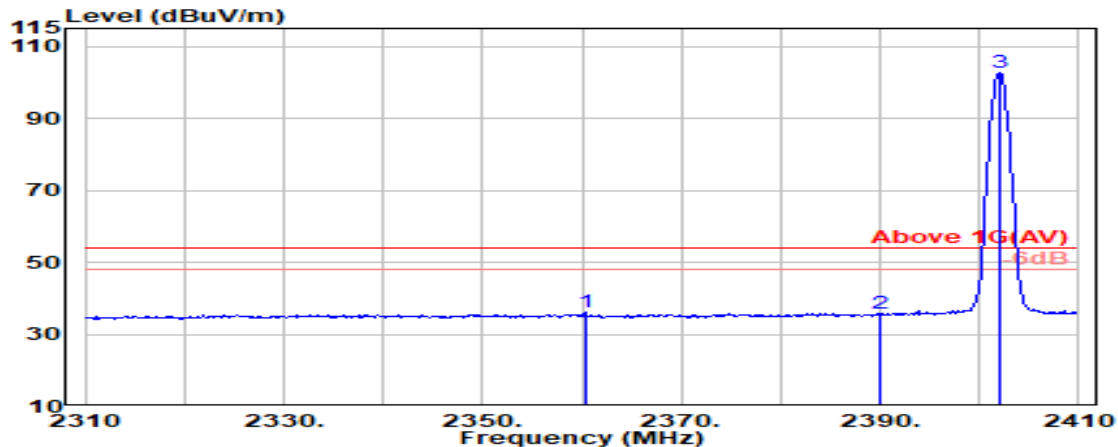
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Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2334.700	28.14	5.95	39.94	51.51	45.67	74.00	28.33	Peak
2390.000	28.20	6.03	39.93	48.86	43.17	74.00	30.83	Peak
@ 2402.200	28.20	6.05	39.93	108.52	102.85	---	---	Peak



Antenna at Vertical Polarization

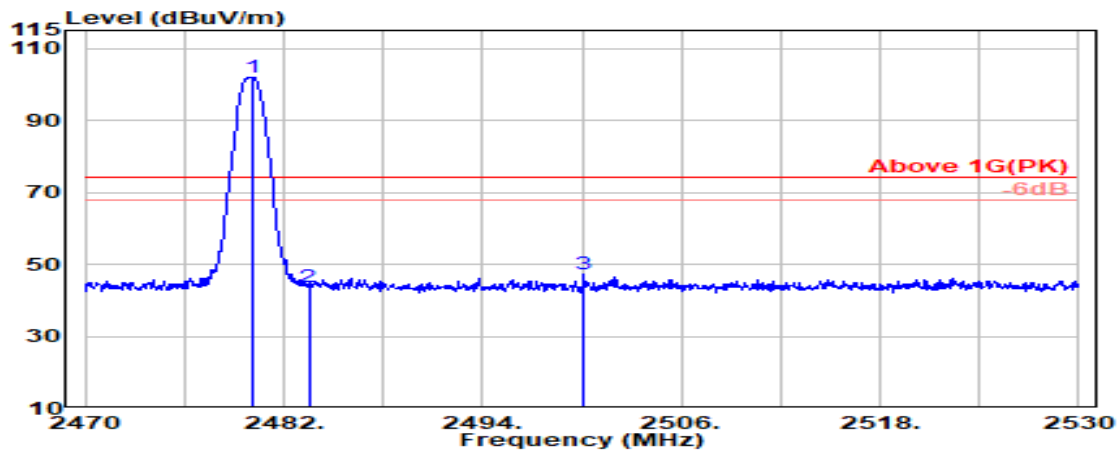
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2360.400	28.20	5.99	39.93	41.70	35.96	54.00	18.04	Average
2390.000	28.20	6.03	39.93	41.47	35.78	54.00	18.22	Average
@ 2402.000	28.20	6.05	39.93	108.29	102.61	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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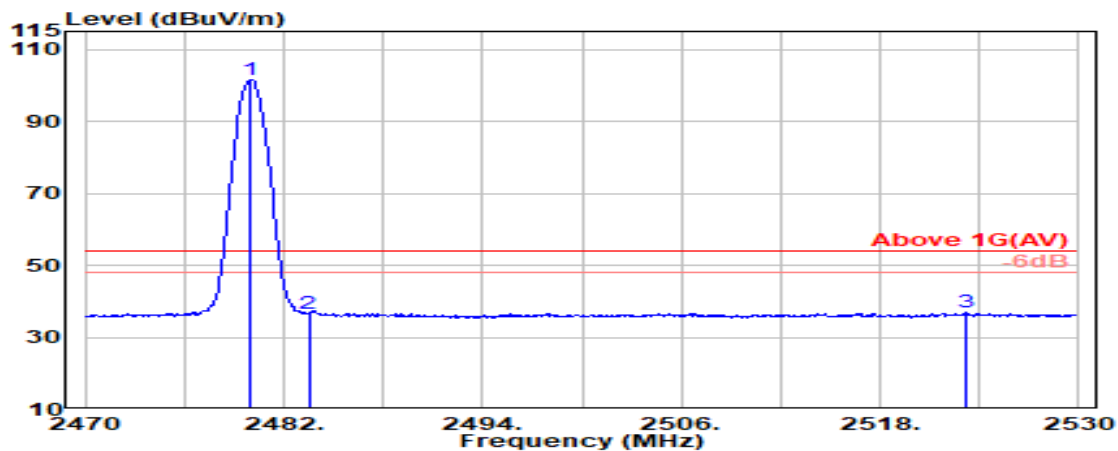
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.42	6.16	39.92	107.17	101.83	---	---	Peak
	2483.500	28.43	6.17	39.92	48.81	43.49	74.00	30.51	Peak
	2500.100	28.50	6.19	39.92	52.44	47.21	74.00	26.79	Peak

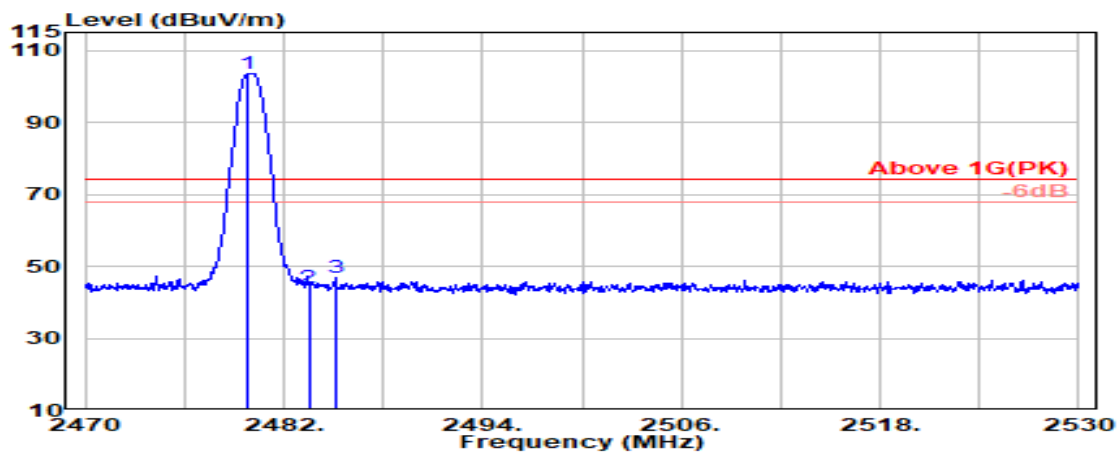


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.000	28.42	6.16	39.92	106.96	101.63	---	---	Average
	2483.500	28.43	6.17	39.92	41.95	36.63	54.00	17.37	Average
	2523.150	28.59	6.22	39.93	41.92	36.80	54.00	17.20	Average

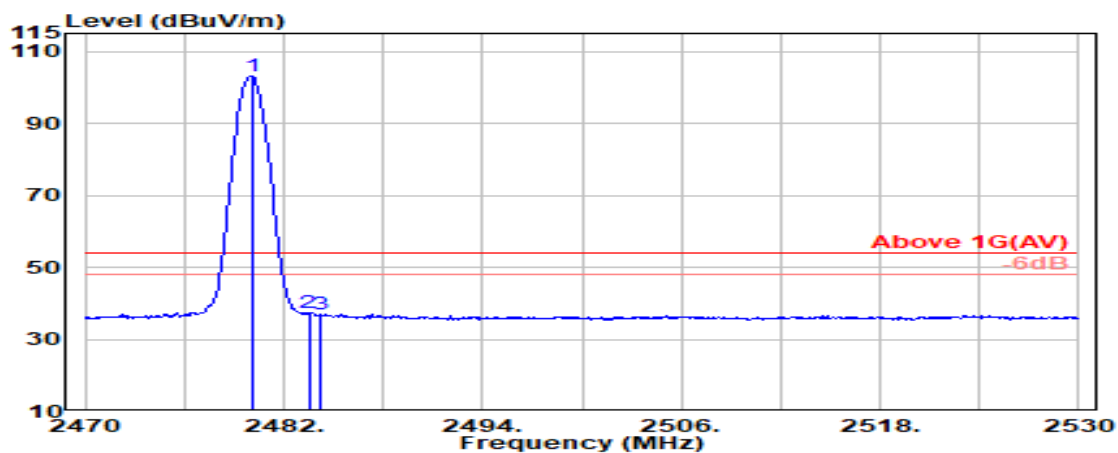
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.850	28.42	6.16	39.92	108.75	103.41	---	---	Peak
2483.500	28.43	6.17	39.92	49.41	44.09	74.00	29.91	Peak
2485.100	28.44	6.17	39.92	52.20	46.88	74.00	27.12	Peak



Antenna at Vertical Polarization

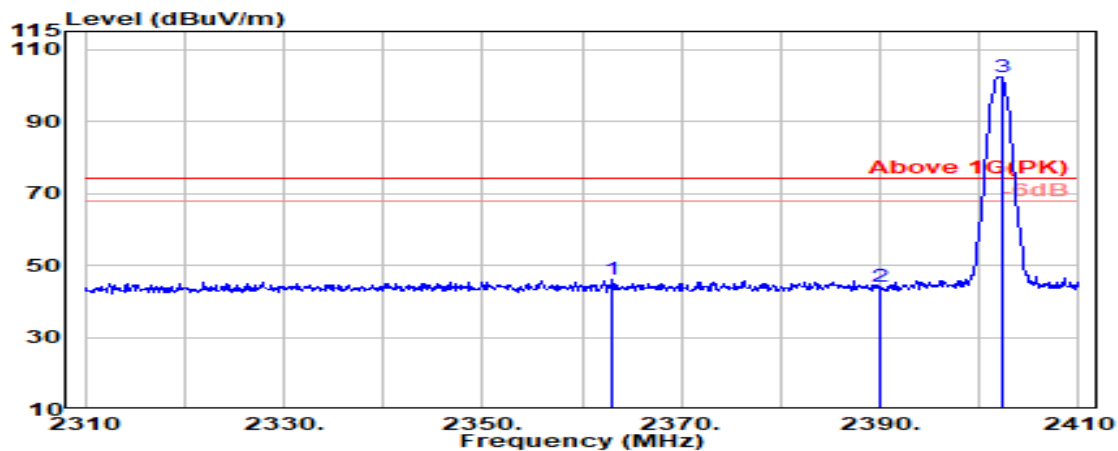
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.050	28.42	6.16	39.92	108.53	103.20	---	---	Average
2483.500	28.43	6.17	39.92	42.54	37.22	54.00	16.78	Average
2484.200	28.44	6.17	39.92	42.24	36.92	54.00	17.08	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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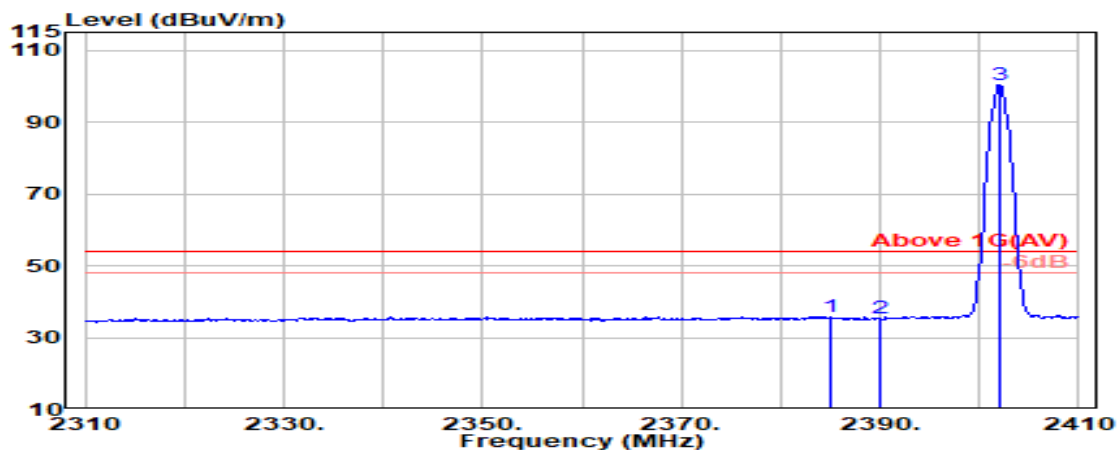
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2363.100	28.20	6.00	39.93	51.98	46.25	74.00	27.75	Peak
2390.000	28.20	6.03	39.93	49.69	44.00	74.00	30.00	Peak
@ 2402.200	28.20	6.05	39.93	107.95	102.28	---	---	Peak

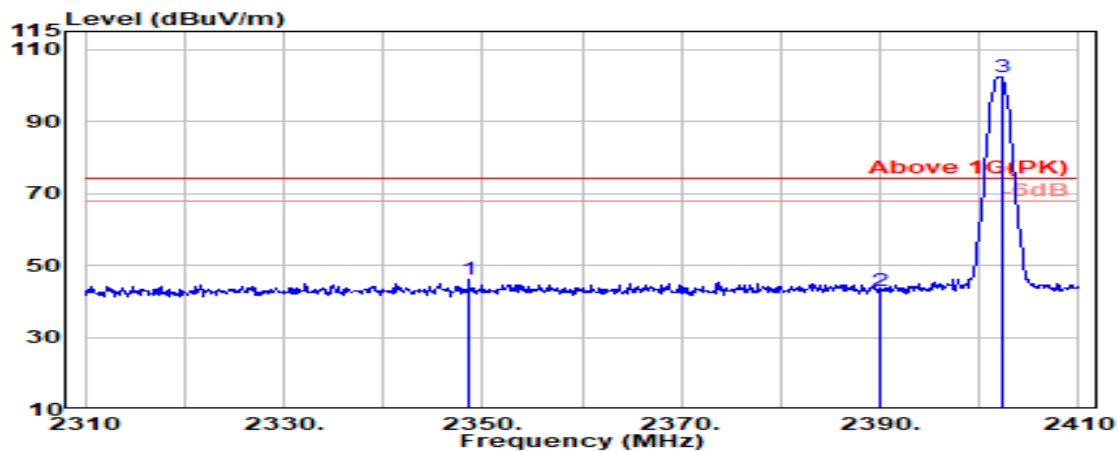


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2384.900	28.20	6.03	39.93	41.61	35.91	54.00	18.09	Average
2390.000	28.20	6.03	39.93	41.13	35.44	54.00	18.56	Average
@ 2402.100	28.20	6.05	39.93	106.16	100.48	---	---	Average

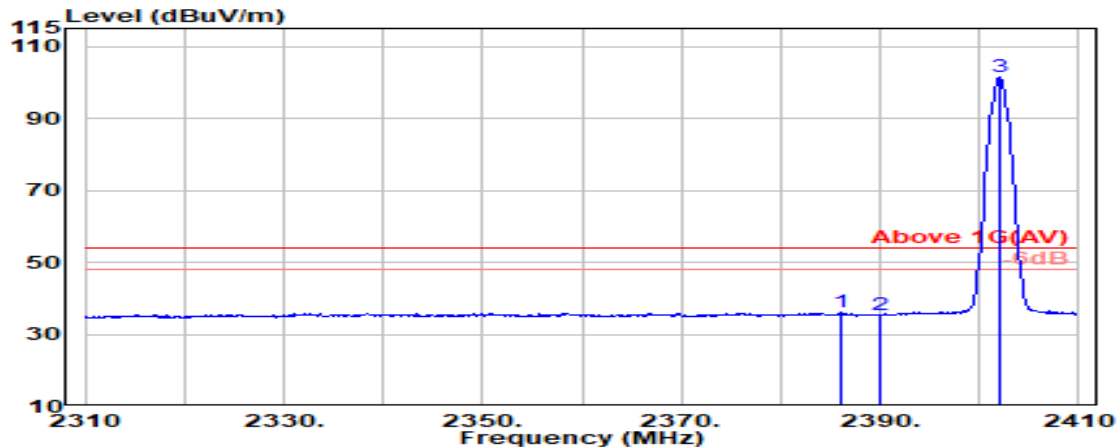
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2348.600	28.19	5.97	39.93	51.78	46.01	74.00	27.99	Peak
2390.000	28.20	6.03	39.93	48.78	43.08	74.00	30.92	Peak
@ 2402.200	28.20	6.05	39.93	108.07	102.39	---	---	Peak

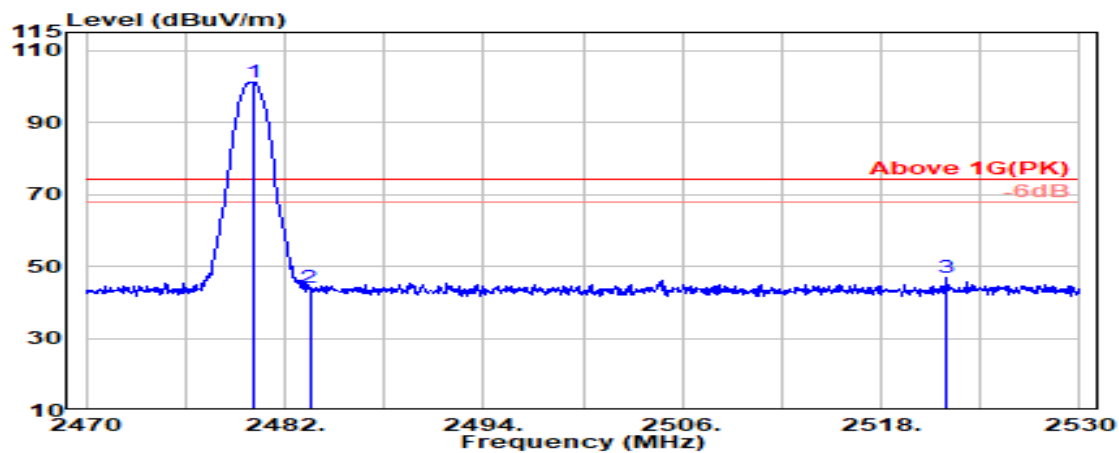


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.000	28.20	6.03	39.93	41.86	36.16	54.00	17.84	Average
2390.000	28.20	6.03	39.93	40.90	35.20	54.00	18.80	Average
@ 2402.100	28.20	6.05	39.93	107.09	101.42	---	---	Average

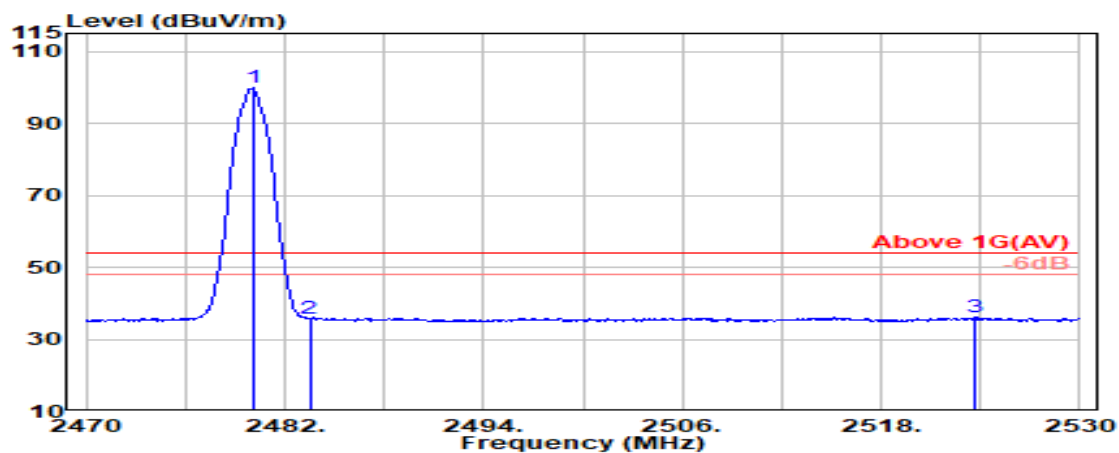
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.42	6.16	39.92	106.37	101.03	---	---	Peak
	2483.500	28.43	6.17	39.92	49.54	44.22	74.00	29.78	Peak
	2521.950	28.59	6.22	39.93	51.86	46.73	74.00	27.27	Peak



Antenna at Horizontal Polarization

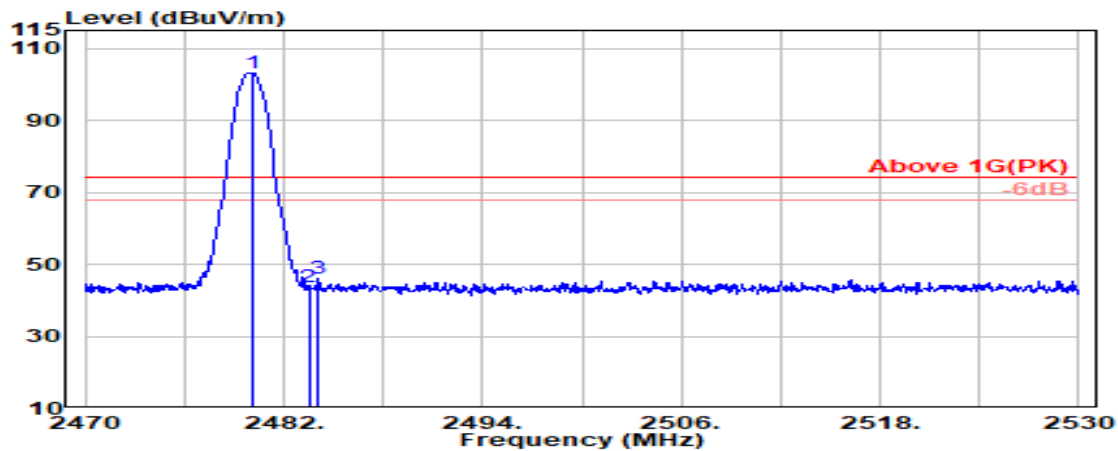
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.050	28.42	6.16	39.92	105.35	100.01	---	---	Average
	2483.500	28.43	6.17	39.92	41.15	35.83	54.00	18.17	Average
	2523.700	28.60	6.22	39.93	41.14	36.02	54.00	17.98	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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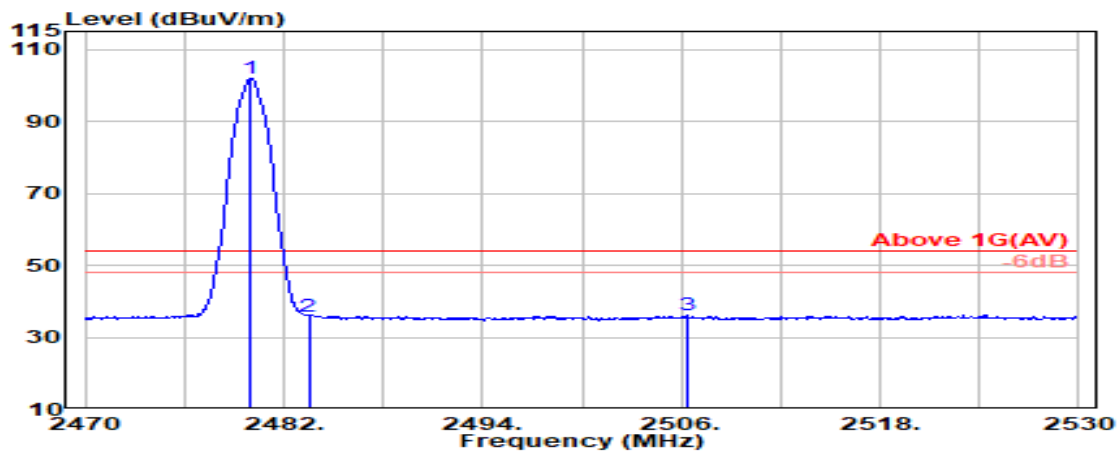
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.42	6.16	39.92	108.49	103.15	---	---	Peak
	2483.500	28.43	6.17	39.92	49.16	43.84	74.00	30.16	Peak
	2484.100	28.44	6.17	39.92	51.43	46.11	74.00	27.89	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.950	28.42	6.16	39.92	107.43	102.09	---	---	Average
	2483.500	28.43	6.17	39.92	41.21	35.89	54.00	18.11	Average
	2506.300	28.53	6.20	39.92	41.36	36.16	54.00	17.84	Average

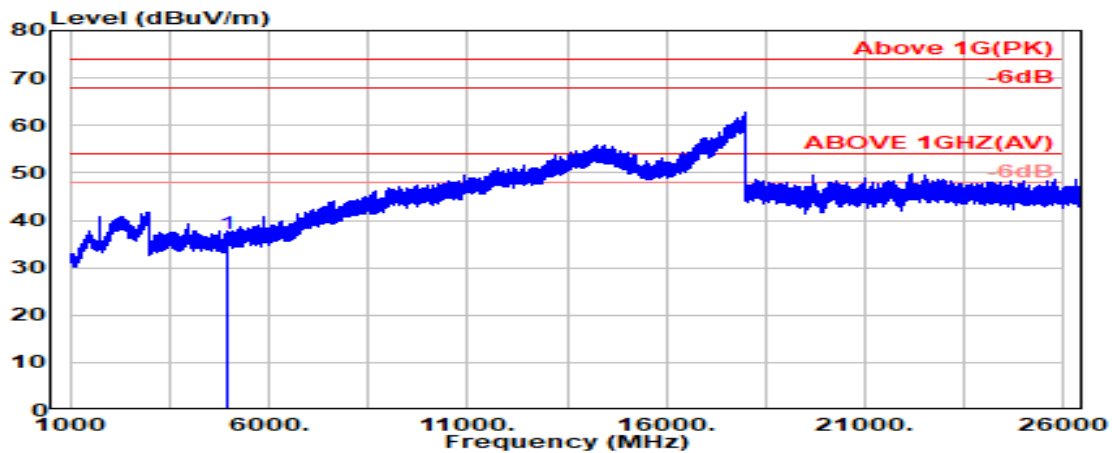
Remark: The “@” means fundamental frequency, it is ignored in this section.

A.2.2 Emissions outside the frequency band:

The emissions (up to 25GHz) not reported for there is no emission be found.

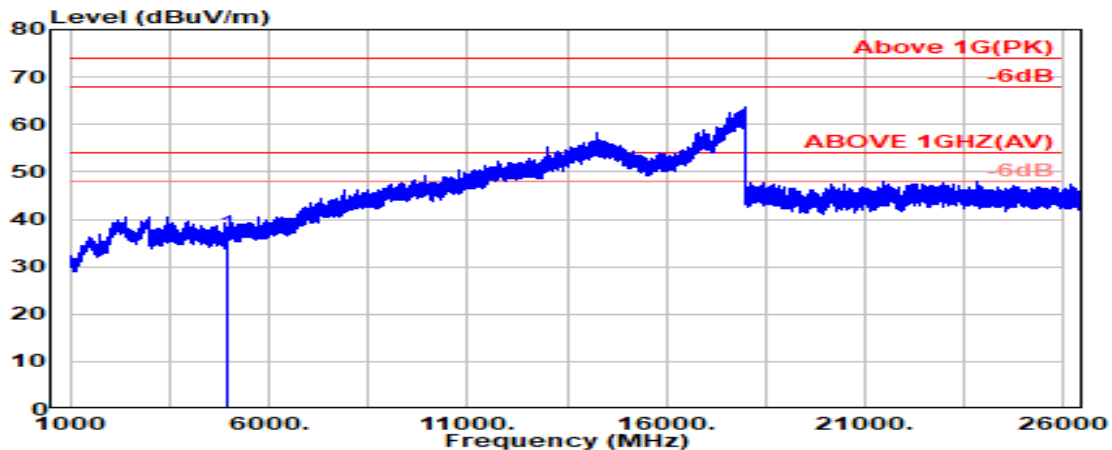
● Normal Mode

Mode	Normal Mode	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	39.73	41.97	54.00	12.03	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	40.76	42.99	54.00	11.01	Peak

● **BT Mode**

Mode	GFSK				Frequency	TX 2402MHz		
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.02	39.18	39.17	40.73	54.00	13.27	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.02	39.18	40.37	41.93	54.00	12.07	Peak

Mode	GFSK				Frequency	TX 2441MHz		
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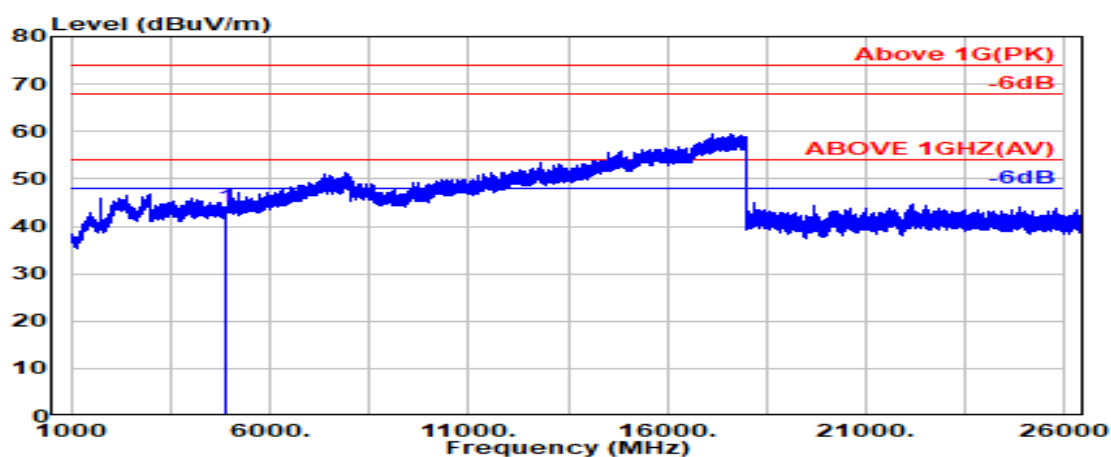
Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.03	8.08	39.15	39.16	41.11	54.00	12.89	Peak

Antenna at Vertical Polarization

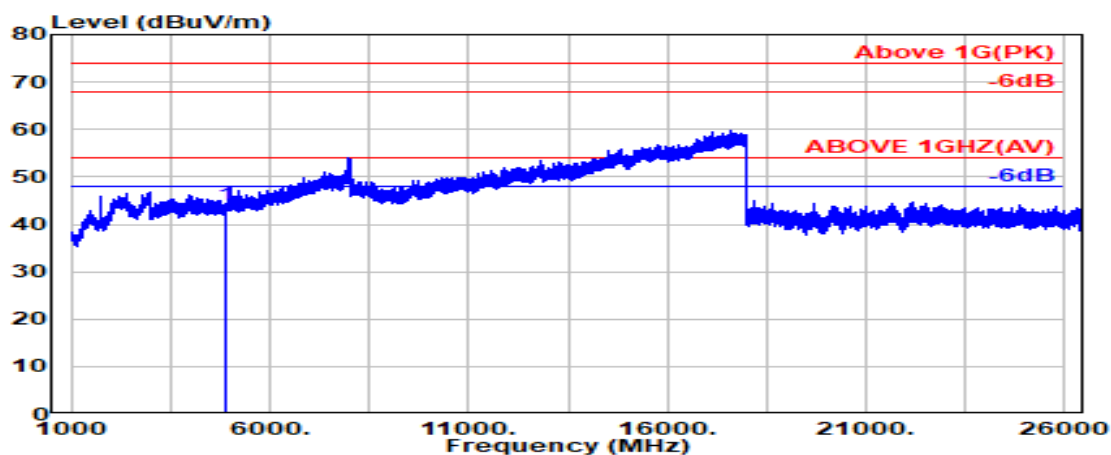
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.03	8.08	39.15	39.95	41.91	54.00	12.09	Peak

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	41.39	43.63	54.00	10.37	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	42.85	45.08	54.00	8.92	Peak

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Mode	8-DPSK				Frequency	TX 2402MHz		
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.02	39.18	40.03	41.59	54.00	12.41	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.02	39.18	40.34	41.90	54.00	12.10	Peak

Mode	8-DPSK				Frequency	TX 2441MHz		
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.03	8.08	39.15	39.48	41.44	54.00	12.56	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.03	8.08	39.15	39.15	41.11	54.00	12.89	Peak

Mode	8-DPSK				Frequency	TX 2480MHz		
------	--------	--	--	--	-----------	------------	--	--

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	41.34	43.58	54.00	10.42	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.13	39.12	41.26	43.50	54.00	10.50	Peak

A.2.3 Emissions in Non-restricted Frequency Bands:

All emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9 table 4 general radiated emissions limits is not required.

A.3 20dB BANDWIDTH

Test Date	2026/03/09	Temp./Hum.	19°C/68%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.3.1 20dB Bandwidth Result

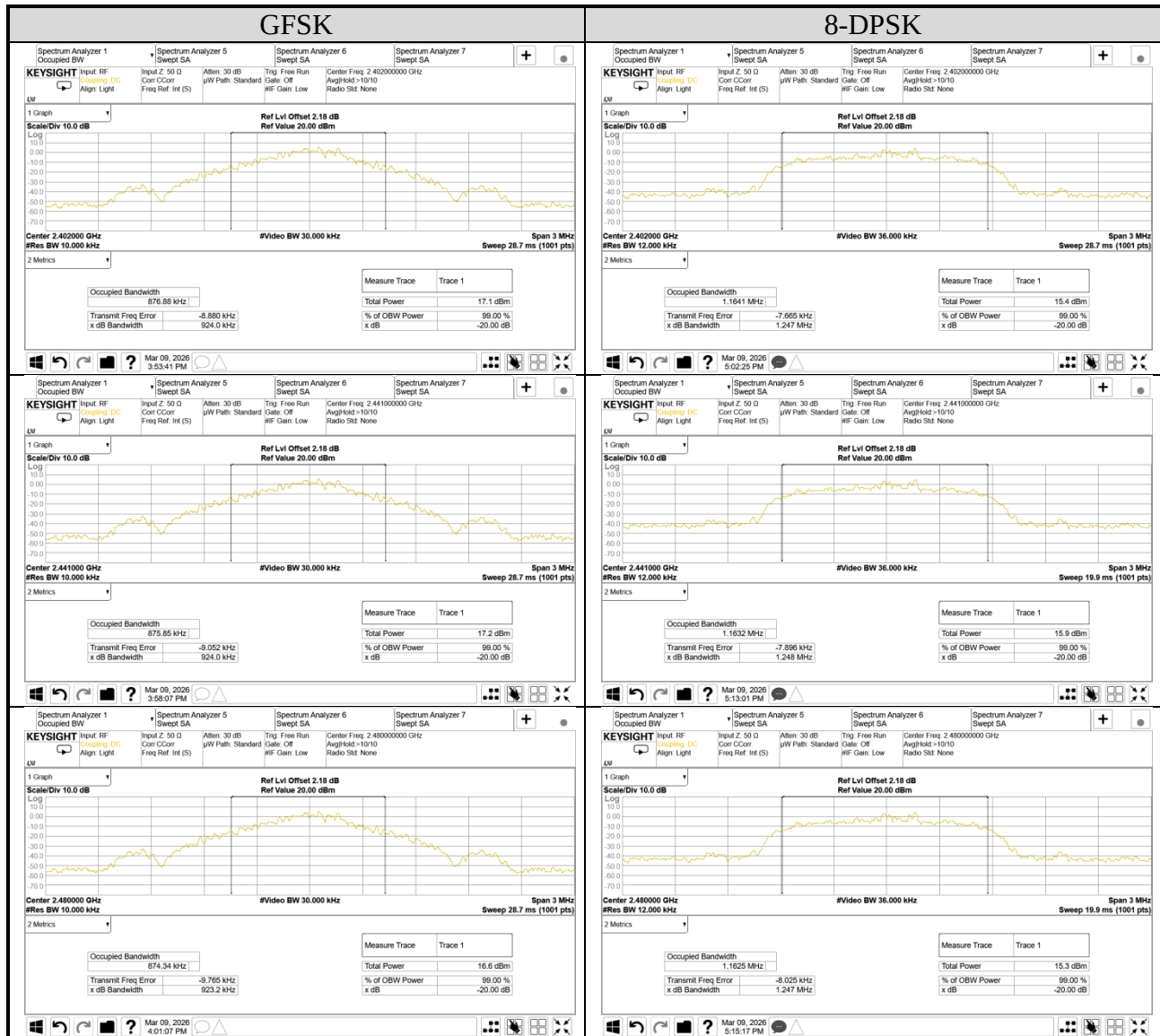
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9240	0.87688	0.616
	2441	0.9240	0.87585	0.616
	2480	0.9232	0.87434	0.615
8-DPSK	2402	1.247	1.1641	0.831
	2441	1.248	1.1632	0.832
	2480	1.247	1.1625	0.831

Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

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A.3.2 Measurement Plots

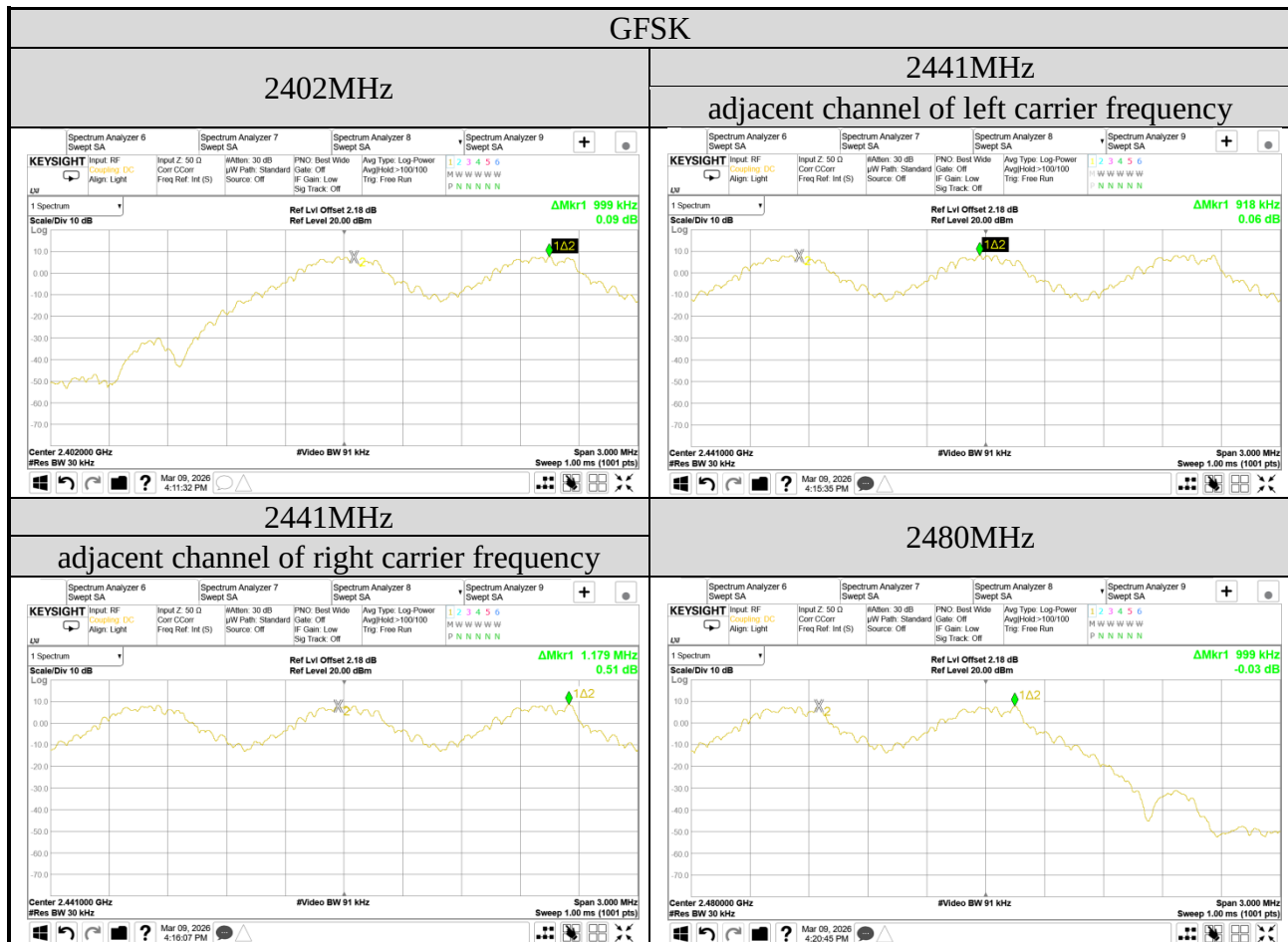


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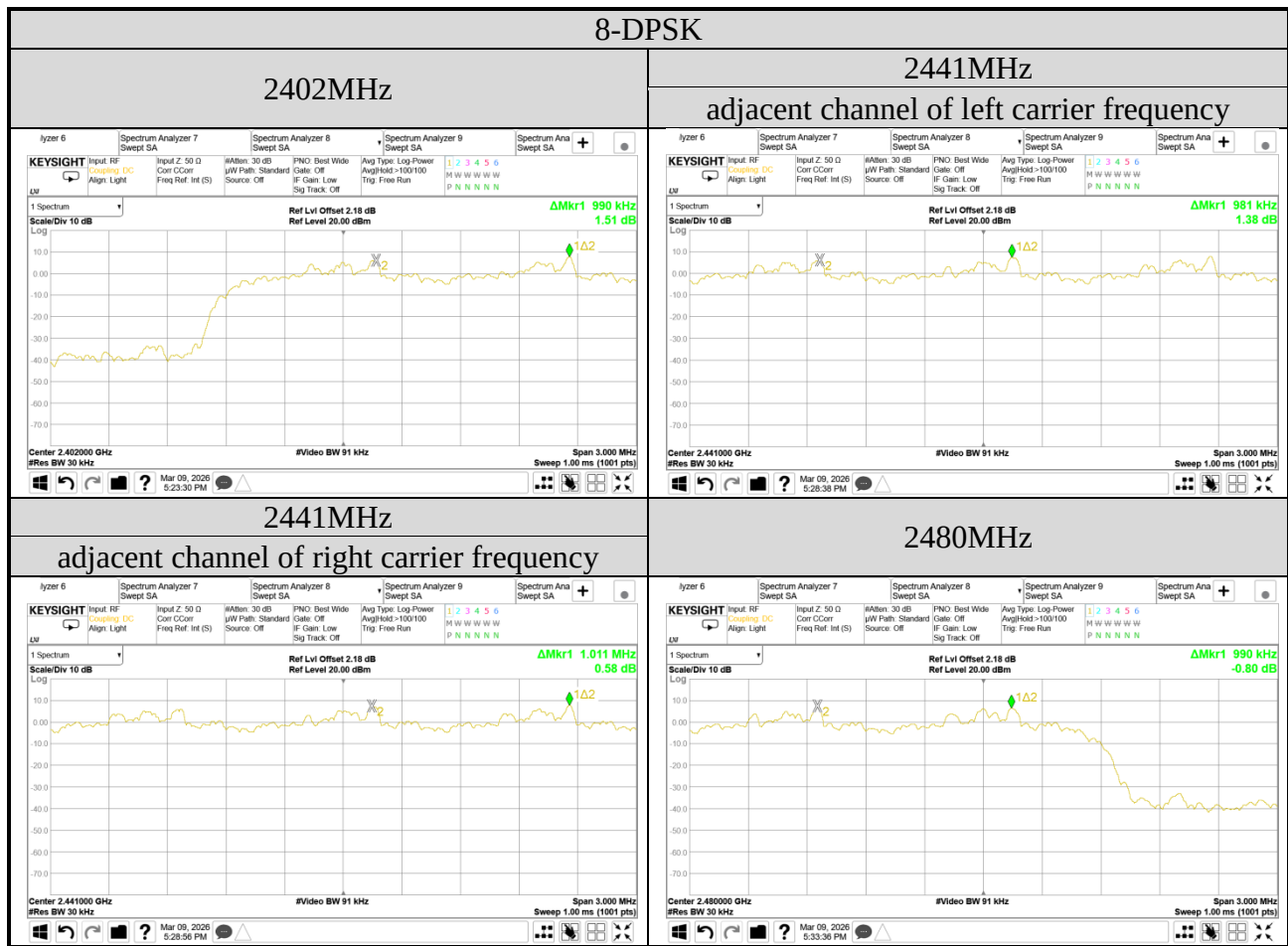
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2026/03/09	Temp./Hum.	19°C/68%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		



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A.5 TIME OF OCCUPANCY

Test Date	2026/03/09	Temp./Hum.	19°C/68%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.5.1 Time of Occupancy

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2402	DH1	10	0.375	118.500	<400
		DH3	5	1.630	257.540	<400
		DH5	4	2.880	364.032	<400

Observation Period:

79 channels* 0.4 seconds= 31.6 seconds

DH1 Mode

For each second of 10 transmission appearance,the longest time of occupancy is

10 transmission* 31.6 seconds* 0.375 ms= 118.500 ms (<400ms)

DH3 Mode

For each second of 5 transmission appearance,the longest time of occupancy is

5 transmission* 31.6 seconds* 1.630 ms= 257.540 ms (<400ms)

DH5 Mode

For each second of 4 transmission appearance,the longest time of occupancy is

4 transmission* 31.6 seconds* 2.880 ms= 364.032 ms (<400ms)

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2441	DH1	10	0.375	118.500	<400
		DH3	5	1.630	257.540	<400
		DH5	4	2.880	364.032	<400

Observation Period:

79 channels* 0.4 seconds= 31.6 seconds

DH1 Mode

For each second of 10 transmission appearance,the longest time of occupancy is

10 transmission* 31.6 seconds* 0.375 ms= 118.500 ms (<400ms)

DH3 Mode

For each second of 5 transmission appearance,the longest time of occupancy is

5 transmission* 31.6 seconds* 1.630 ms= 257.540 ms (<400ms)

DH5 Mode

For each second of 4 transmission appearance,the longest time of occupancy is

4 transmission* 31.6 seconds* 2.880 ms= 364.032 ms (<400ms)

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Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2480	DH1	10	0.375	118.500	<400
		DH3	5	1.630	257.540	<400
		DH5	4	2.880	364.032	<400

Observation Period:

79 channels * 0.4 seconds = 31.6 seconds

DH1 Mode

For each second of **10** transmission appearance, the longest time of occupancy is
10 transmission * 31.6 seconds * 0.375 ms = 118.500 ms (<400ms)

DH3 Mode

For each second of **5** transmission appearance, the longest time of occupancy is
5 transmission * 31.6 seconds * 1.630 ms = 257.540 ms (<400ms)

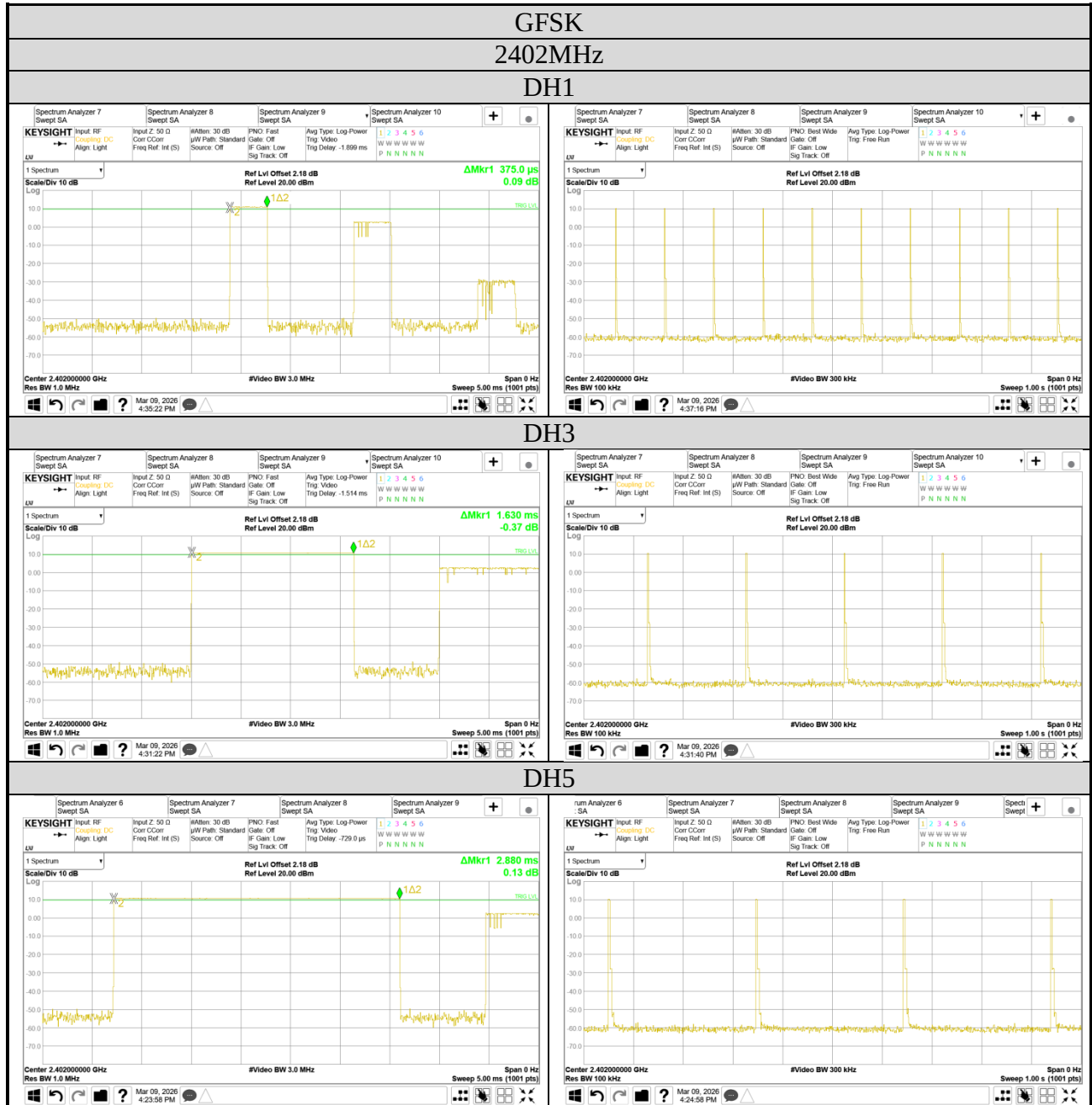
DH5 Mode

For each second of **4** transmission appearance, the longest time of occupancy is
4 transmission * 31.6 seconds * 2.880 ms = 364.032 ms (<400ms)

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● Measurement Plots



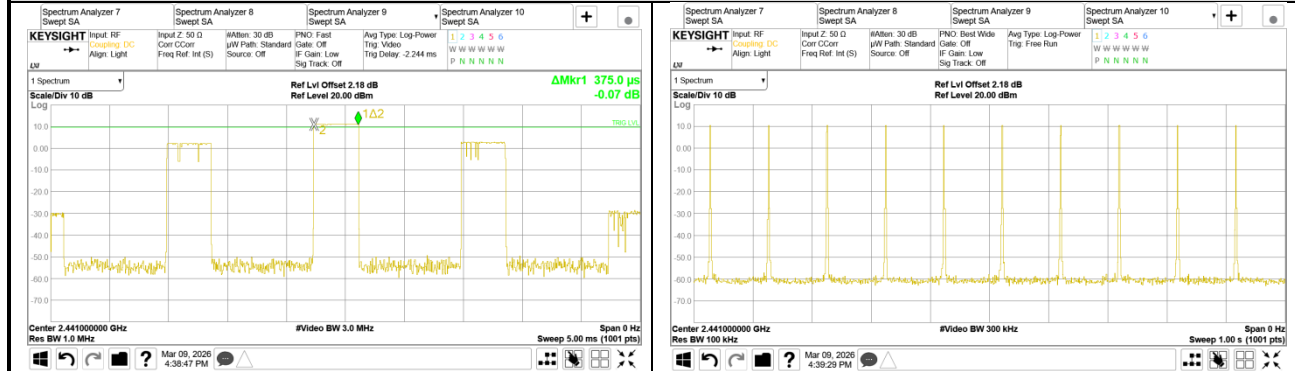
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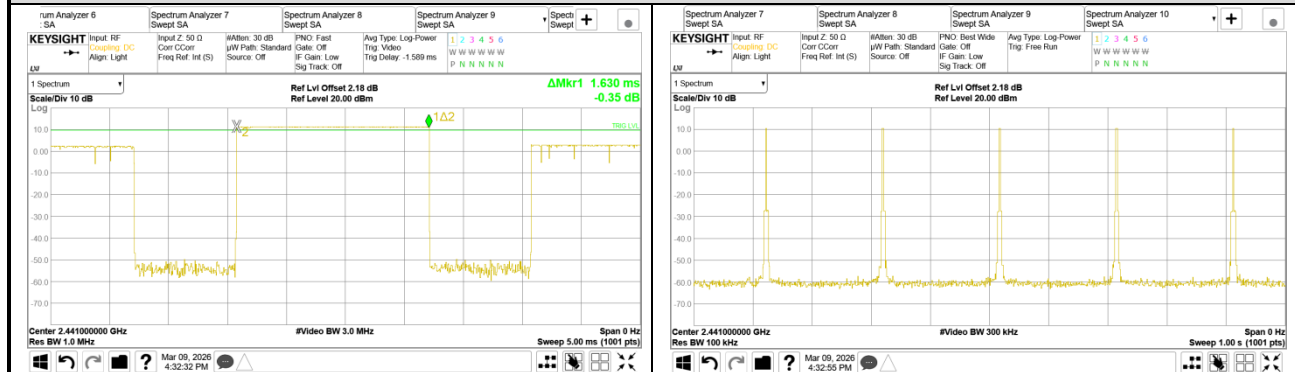
GFSK

2441MHz

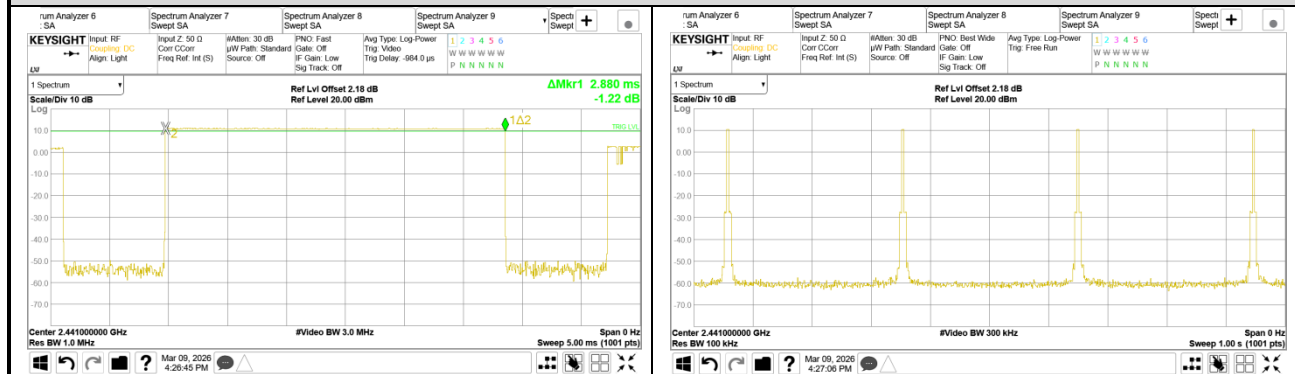
DH1

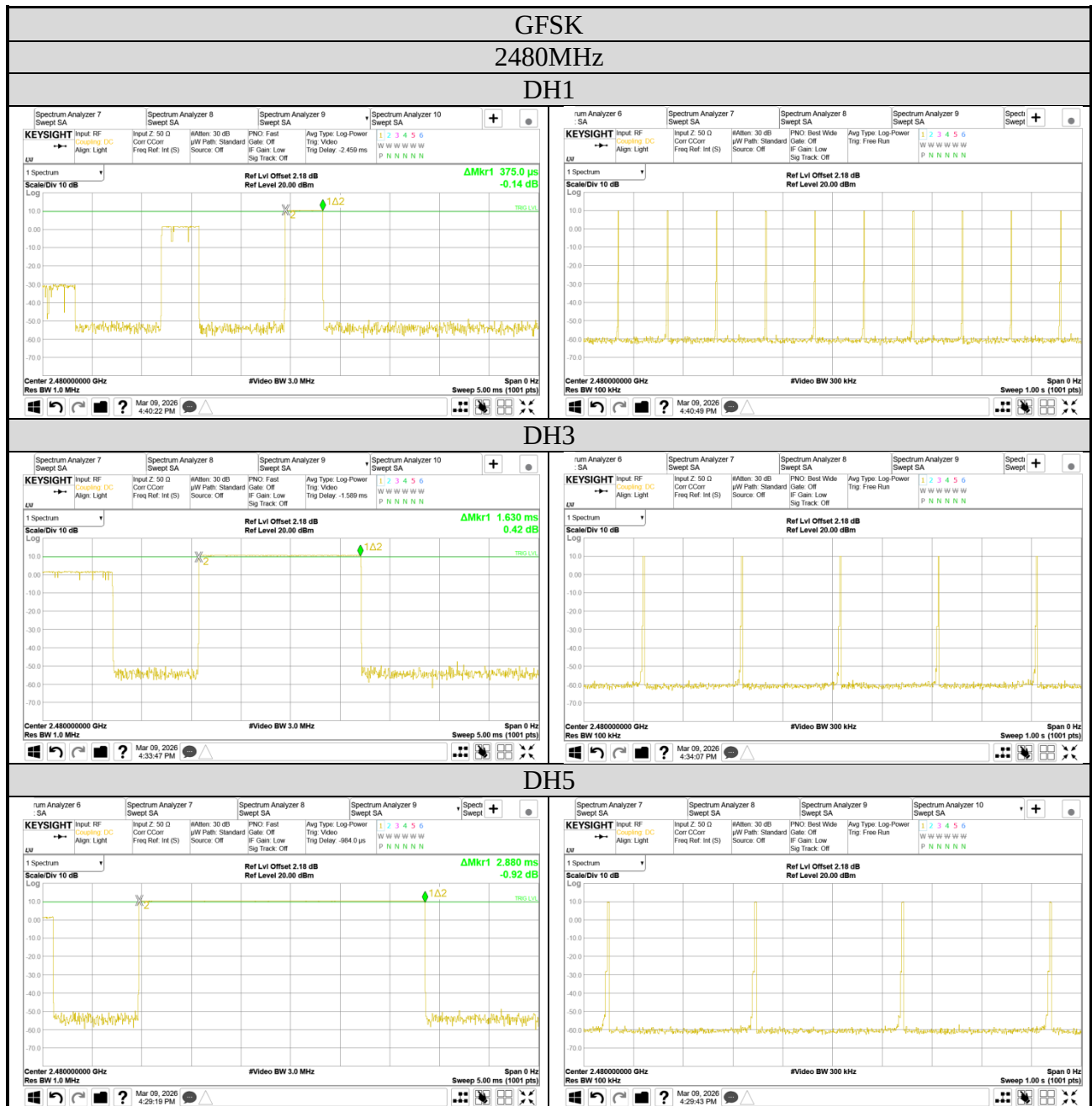


DH3



DH5





Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2402	3DH1	10	0.380	120.080	<400
		3DH3	5	1.630	257.540	<400
		3DH5	4	2.880	364.032	<400

Observation Period:

79 channels* 0.4 seconds= 31.6 seconds

3DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission* 31.6 seconds* 0.380 ms= 120.080 ms (<400ms)

3DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission* 31.6 seconds* 1.630 ms= 257.540 ms (<400ms)

3DH5 Mode

For each second of 4 transmission appearance, the longest time of occupancy is

4 transmission* 31.6 seconds* 2.880 ms= 364.032 ms (<400ms)

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2441	3DH1	10	0.380	120.080	<400
		3DH3	5	1.630	257.540	<400
		3DH5	4	2.880	364.032	<400

Observation Period:

79 channels* 0.4 seconds= 31.6 seconds

3DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission* 31.6 seconds* 0.380 ms= 120.080 ms (<400ms)

3DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission* 31.6 seconds* 1.630 ms= 257.540 ms (<400ms)

3DH5 Mode

For each second of 4 transmission appearance, the longest time of occupancy is

4 transmission* 31.6 seconds* 2.880 ms= 364.032 ms (<400ms)

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Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2480	3DH1	10	0.380	120.080	<400
		3DH3	5	1.630	257.540	<400
		3DH5	4	2.880	364.032	<400

Observation Period:

79 channels * 0.4 seconds = 31.6 seconds

3DH1 Mode

For each second of **10** transmission appearance, the longest time of occupancy is

10 transmission * 31.6 seconds * 0.380 ms = 120.080 ms (<400ms)

3DH3 Mode

For each second of **5** transmission appearance, the longest time of occupancy is

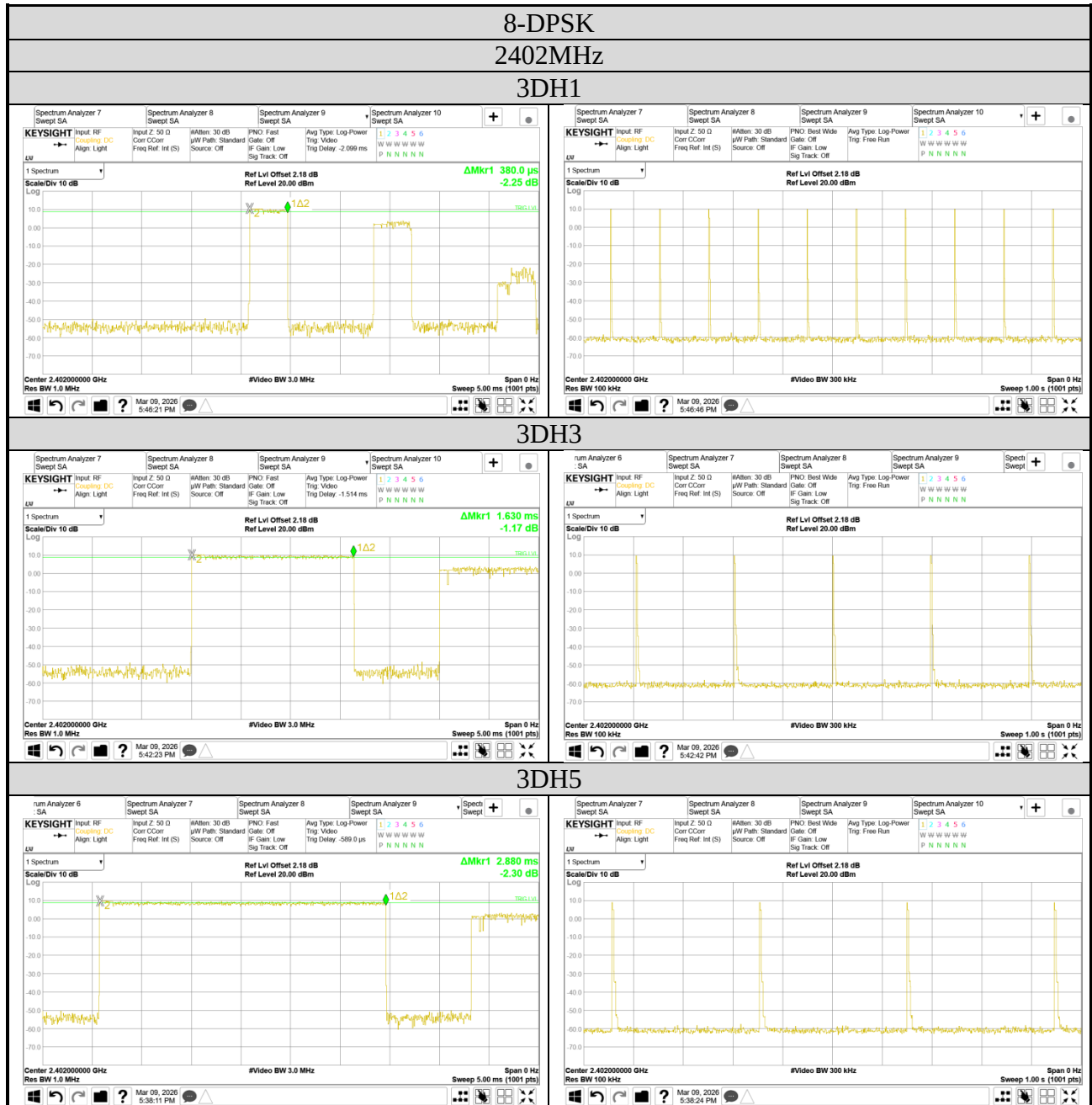
5 transmission * 31.6 seconds * 1.630 ms = 257.540 ms (<400ms)

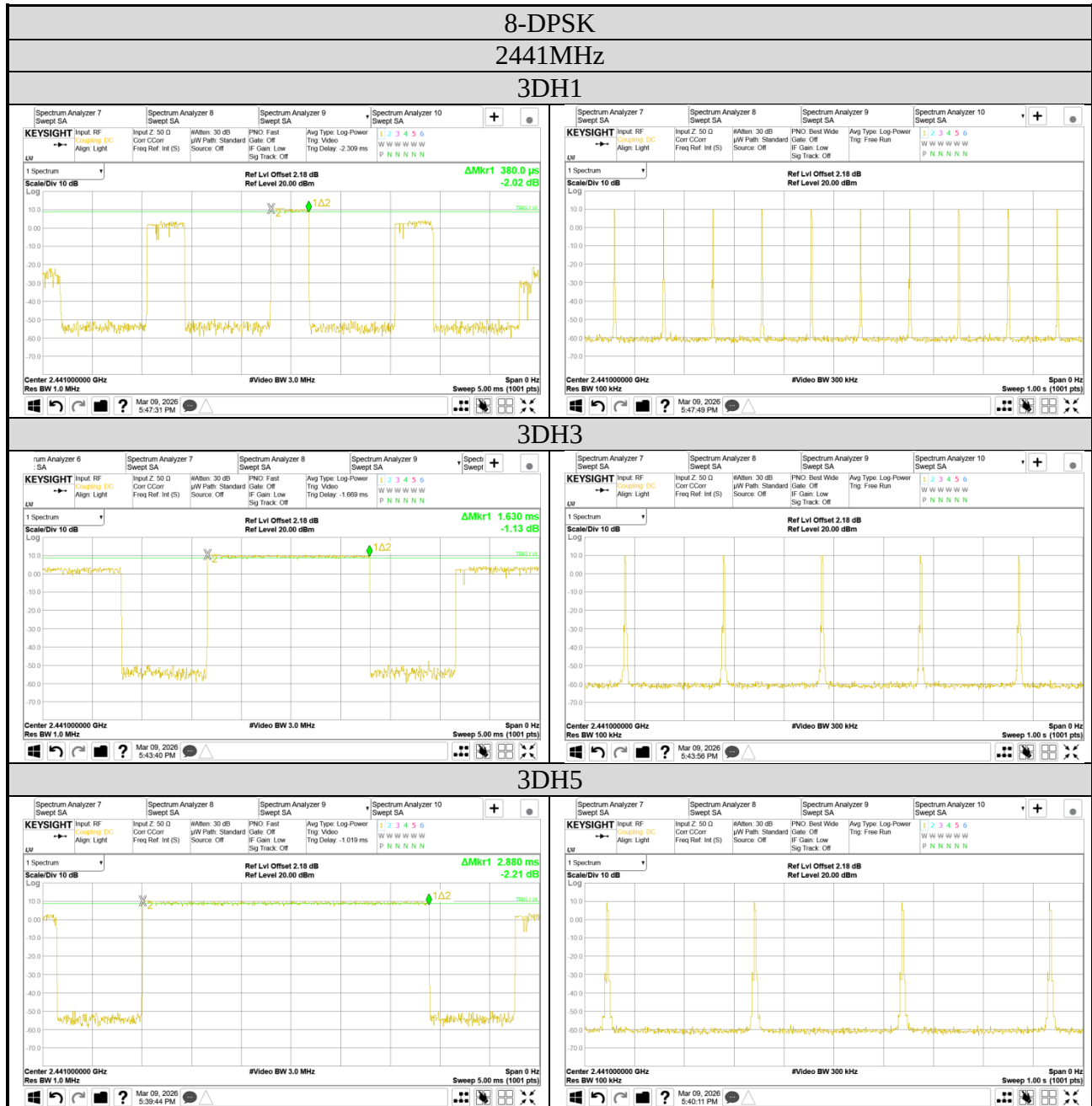
3DH5 Mode

For each second of **4** transmission appearance, the longest time of occupancy is

4 transmission * 31.6 seconds * 2.880 ms = 364.032 ms (<400ms)

● Measurement Plots





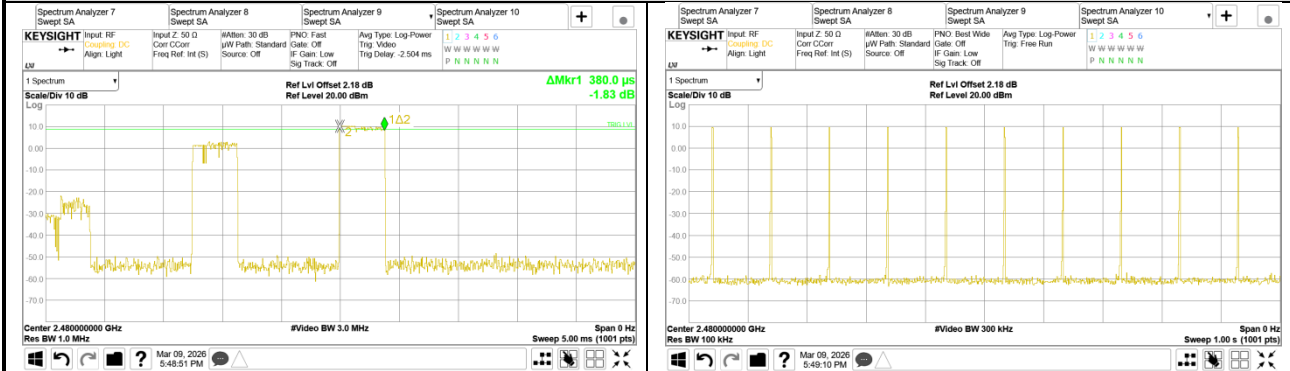
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8-DPSK

2480MHz

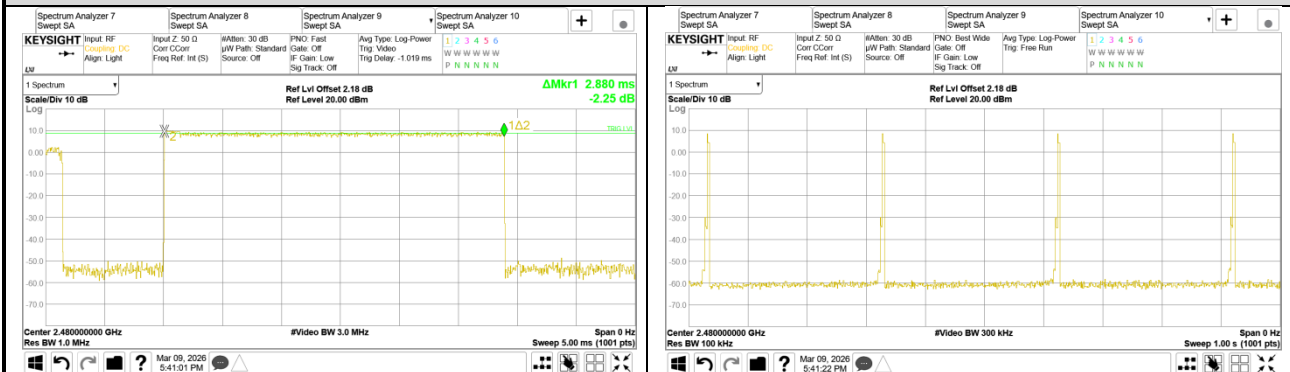
3DH1



3DH3

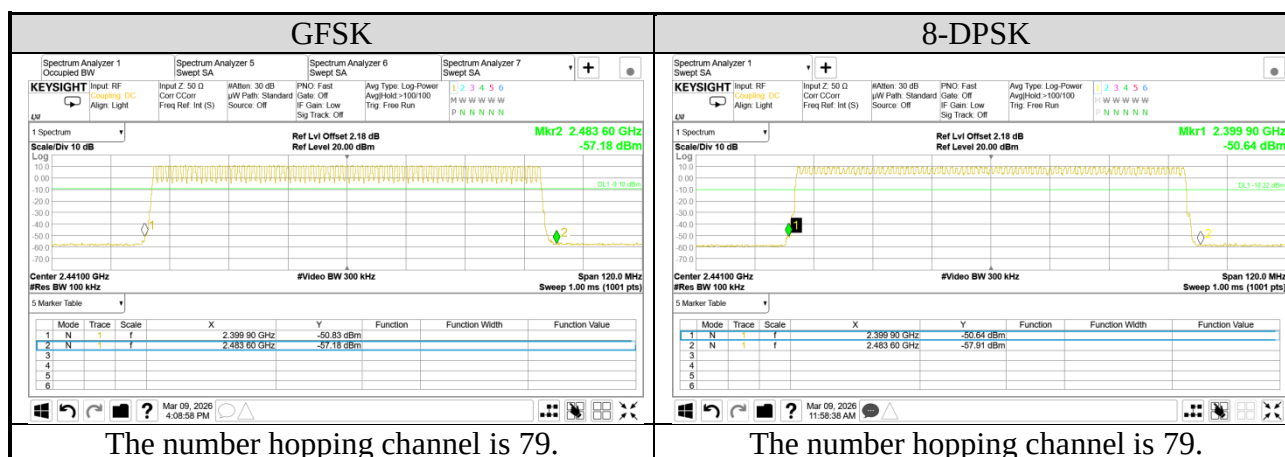


3DH5



A.6 NUMBER OF HOPPING CHANNELS

Test Date	2026/03/09	Temp./Hum.	19°C/68%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		



A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2026/03/10	Temp./Hum.	18°C/67%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.7.1 Maximum Peak Output Power

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Antenna Gain (dBi)	E.I.R.P		Limit
		dBm	W		dBm	W	
GFSK	2402	11.28	0.013	2.73	14.01	0.025	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	11.45	0.014	2.73	14.18	0.026	
	2480	11.13	0.013	2.73	13.86	0.024	
8-DPSK	2402	10.93	0.012	2.73	13.66	0.023	<21dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	11.11	0.013	2.73	13.84	0.024	
	2480	10.84	0.012	2.73	13.57	0.023	

Note: 1. The results have been included cable loss.

2. E.I.R.P.=The Maximum Peak Output Power + Antenna Gain (dBi).

A.7.2 Average Output Power (Reporting only)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)	Duty cycle factor (dB) 10log (1/x)	Maximum Average Output Power	
				(dBm)	(W)
GFSK	2402	9.96	1.158	11.12	0.013
	2441	10.15	1.158	11.31	0.014
	2480	9.83	1.158	10.99	0.013
8-DPSK	2402	7.23	1.135	8.37	0.007
	2441	7.48	1.135	8.62	0.007
	2480	7.16	1.135	8.30	0.007

Note: 1. The results have been included cable loss.

2. The Maximum Average Output Power = The Average Output Power (dBm)+Duty cycle factor (dB), when duty cycle is less than 98%.

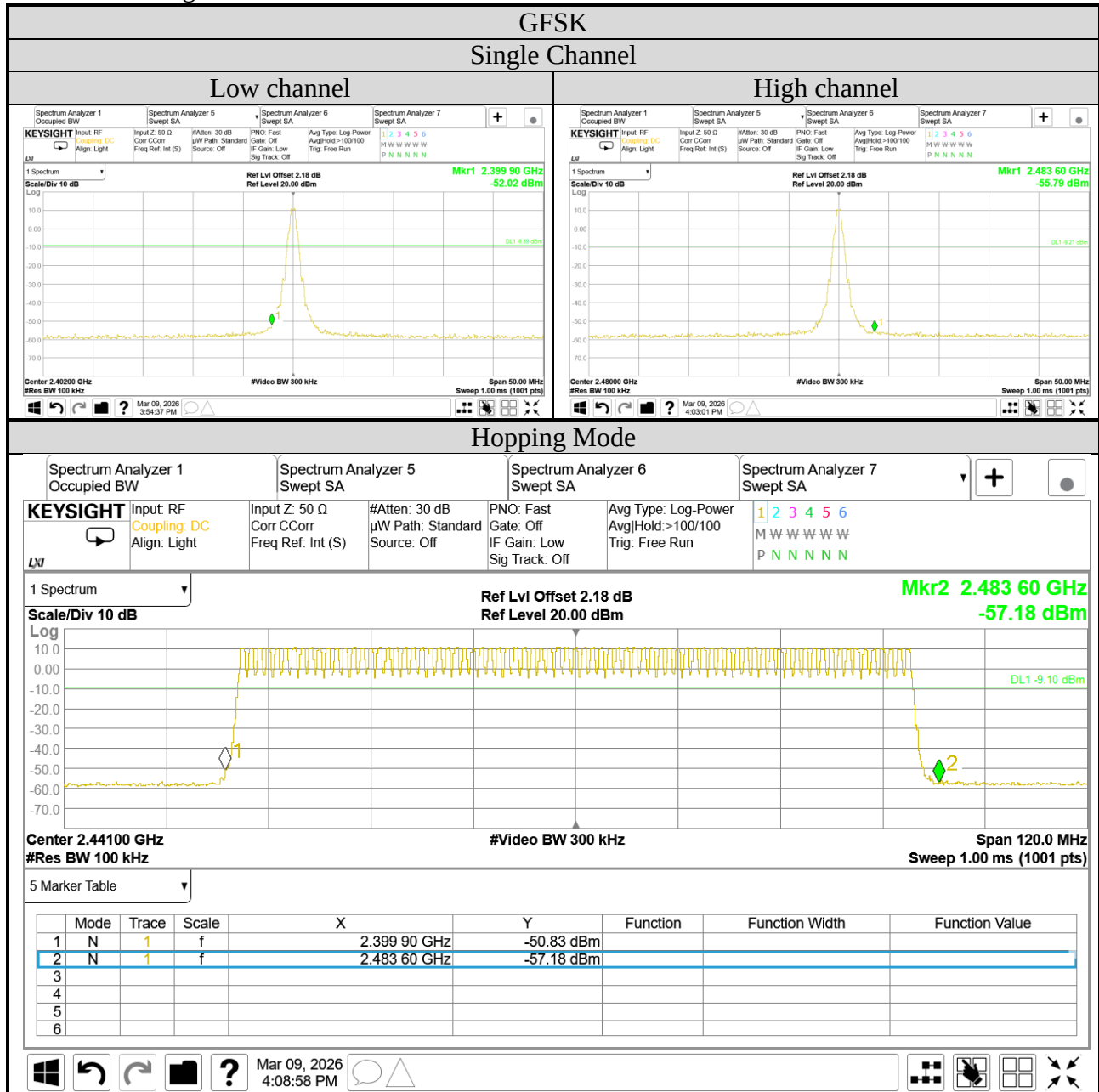
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A.8 EMISSION LIMITATIONS MEASUREMENT

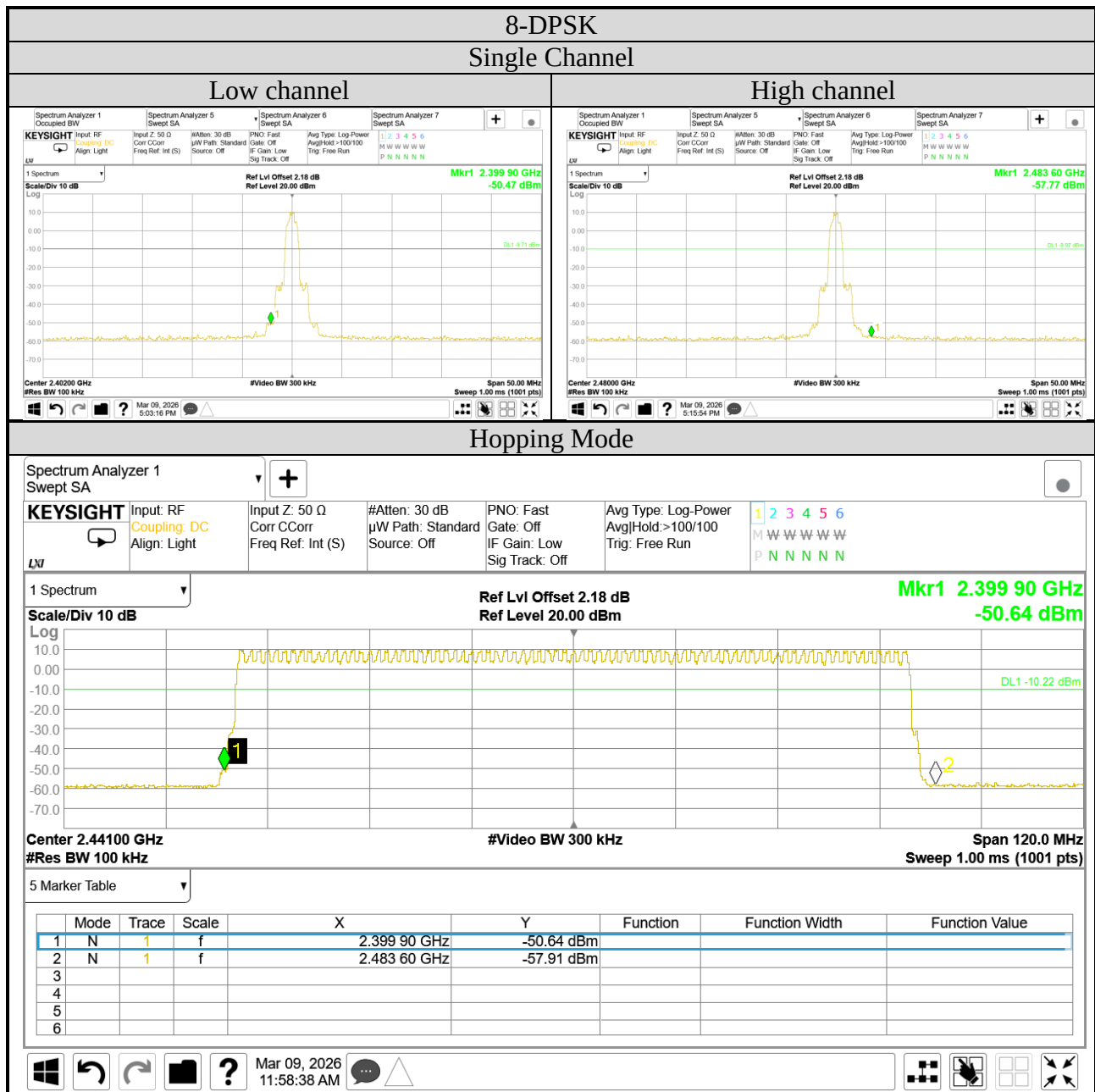
Test Date	2026/03/09	Temp./Hum.	19°C/68%
Cable Loss	2.18dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.8.1 Band Edge



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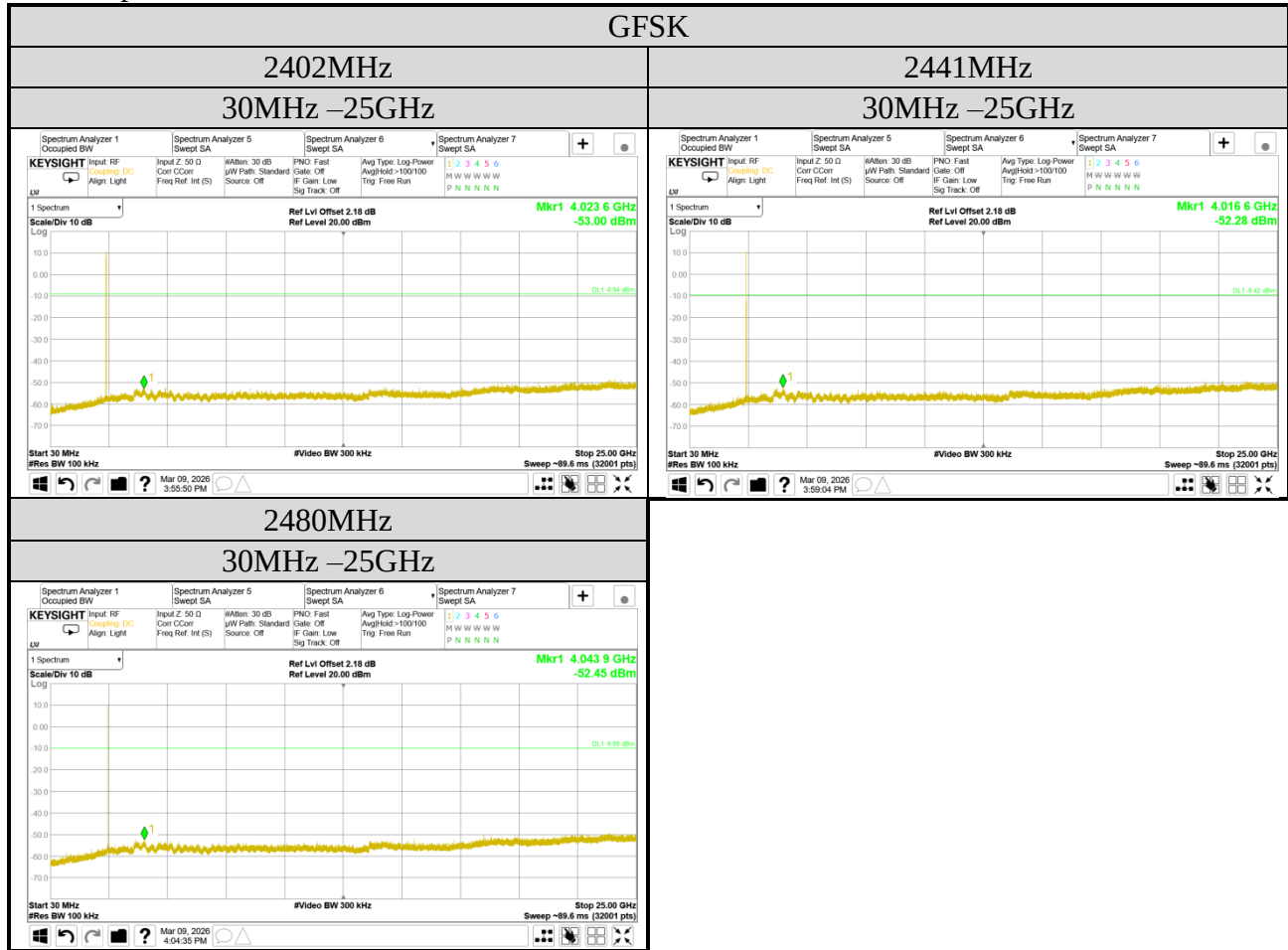
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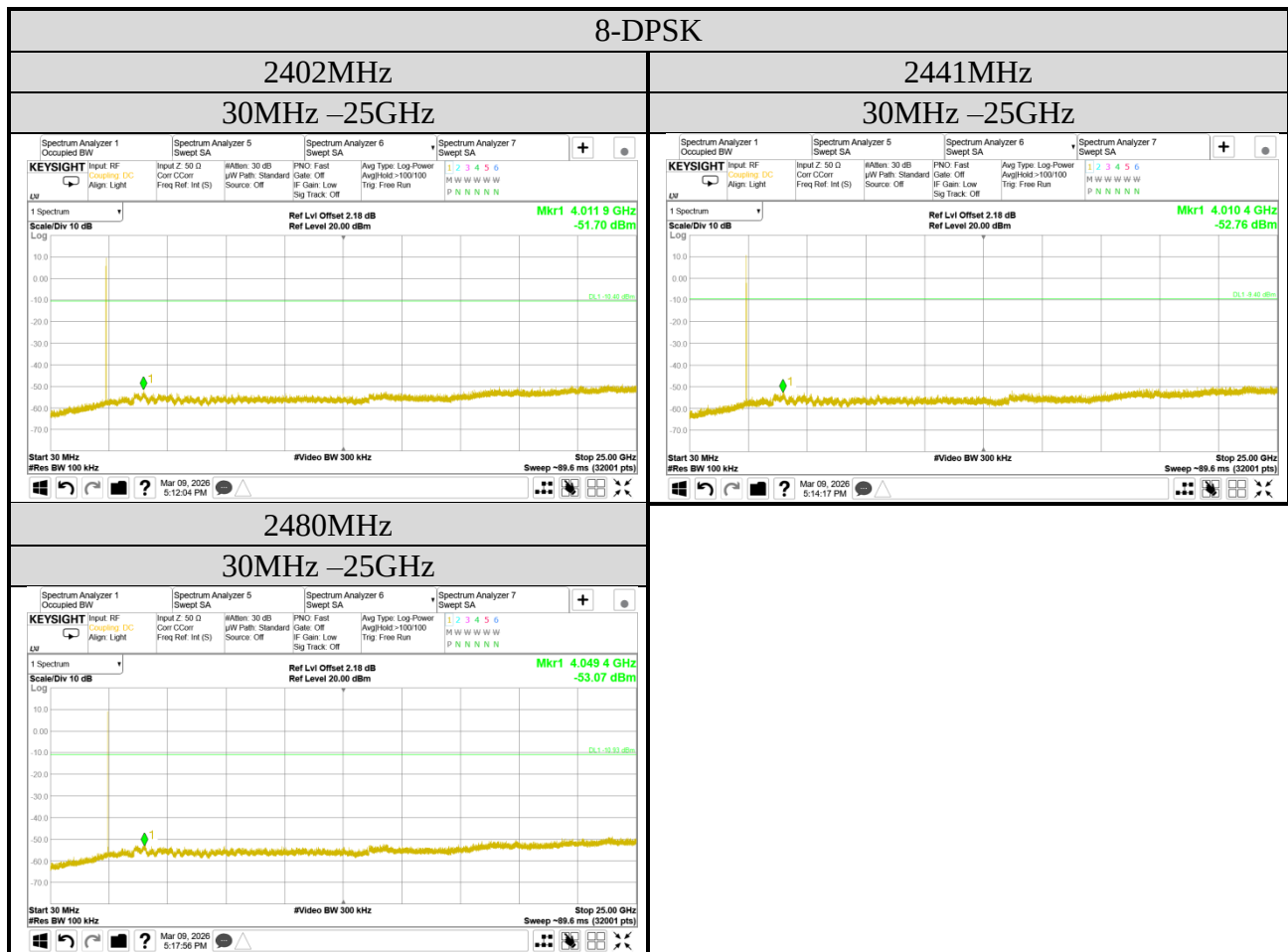
A.8.2 Spurious Emission



Note: All results have been included cable loss.

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