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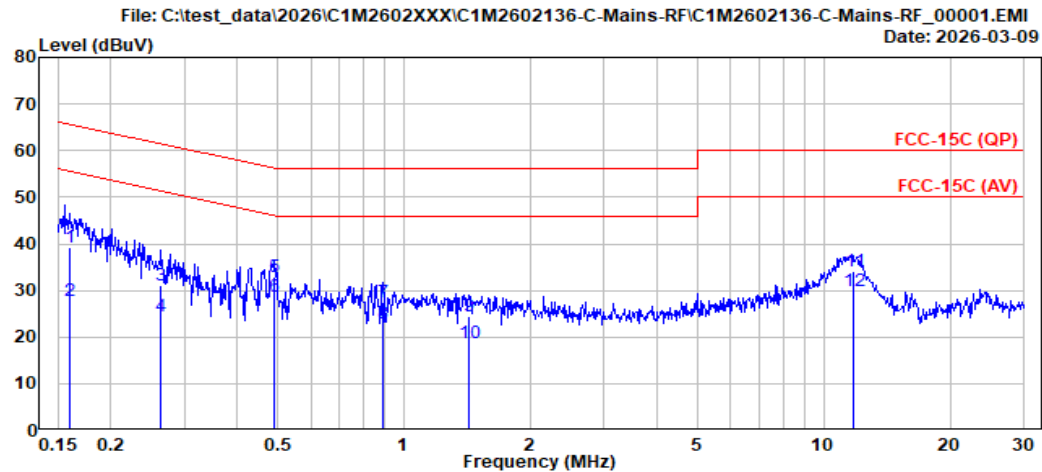
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A.1 CONDUCTED EMISSION

Test Date	2026/03/09	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Line
Environment	: 24°C/50%	Test Rating	: 120Vac/60Hz
EUT Model	: YY7870E	Engineer	: Bruce
Test Mode	: Normal		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.160	10.34	0.03	9.85	19.02	39.24	65.46	26.22	QP
2	0.160	10.34	0.03	9.85	7.49	27.71	55.46	27.75	Average
3	0.263	10.33	0.03	9.85	11.03	31.24	61.32	30.08	QP
4	0.263	10.33	0.03	9.85	4.38	24.59	51.32	26.73	Average
5	0.491	10.32	0.03	9.85	12.57	32.77	56.15	23.38	QP
6	0.491	10.32	0.03	9.85	8.42	28.62	46.15	17.53	Average
7	0.893	10.33	0.04	9.85	7.28	27.50	56.00	28.50	QP
8	0.893	10.33	0.04	9.85	2.87	23.09	46.00	22.91	Average
9	1.427	10.34	0.05	9.86	4.19	24.44	56.00	31.56	QP
10	1.427	10.34	0.05	9.86	-1.58	18.67	46.00	27.33	Average
11	11.812	10.56	0.15	9.90	13.61	34.22	60.00	25.78	QP
12	11.812	10.56	0.15	9.90	9.31	29.92	50.00	20.08	Average

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

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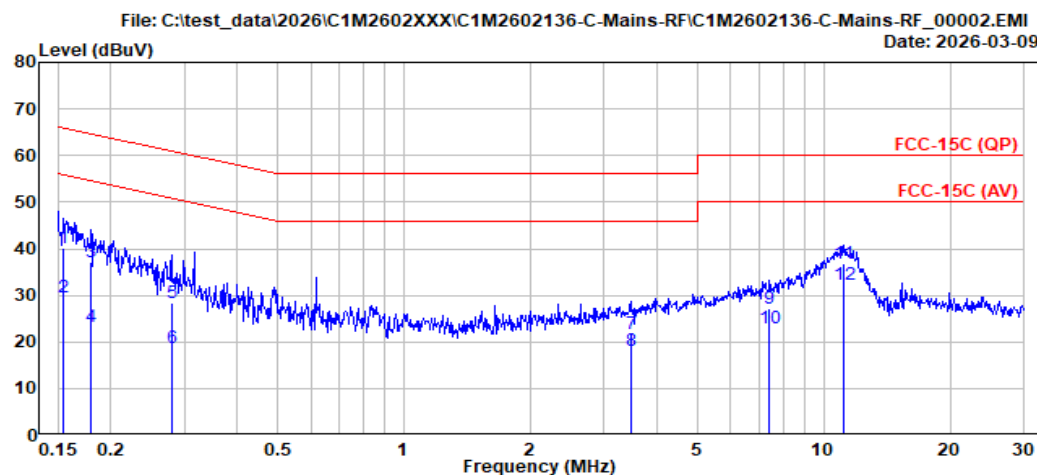
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Test Date	2026/03/09	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Neutral
Environment	: 24°C/50%	Test Rating	: 120Vac/60Hz
EUT Model	: YY7870E	Engineer	: Bruce
Test Mode	: Normal		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.155	10.32	0.03	9.85	19.98	40.18	65.75	25.57	QP
2	0.155	10.32	0.03	9.85	9.30	29.50	55.75	26.25	Average
3	0.179	10.31	0.03	9.85	17.09	37.28	64.51	27.23	QP
4	0.179	10.31	0.03	9.85	3.18	23.37	54.51	31.14	Average
5	0.280	10.31	0.03	9.85	8.12	28.31	60.83	32.52	QP
6	0.280	10.31	0.03	9.85	-1.47	18.72	50.83	32.11	Average
7	3.466	10.37	0.08	9.86	1.29	21.60	56.00	34.40	QP
8	3.466	10.37	0.08	9.86	-2.14	18.17	46.00	27.83	Average
9	7.430	10.54	0.11	9.87	6.79	27.31	60.00	32.69	QP
10	7.430	10.54	0.11	9.87	2.50	23.02	50.00	26.98	Average
11	11.126	10.67	0.15	9.90	16.17	36.89	60.00	23.11	QP
12	11.126	10.67	0.15	9.90	11.63	32.35	50.00	17.65	Average

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

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A.2 RADIATED EMISSION

Test Date	2026/03/06	Temp./Hum.	20°C/60%
Test Voltage	AC 120V, 60Hz	Tested By	Sean Wang

A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

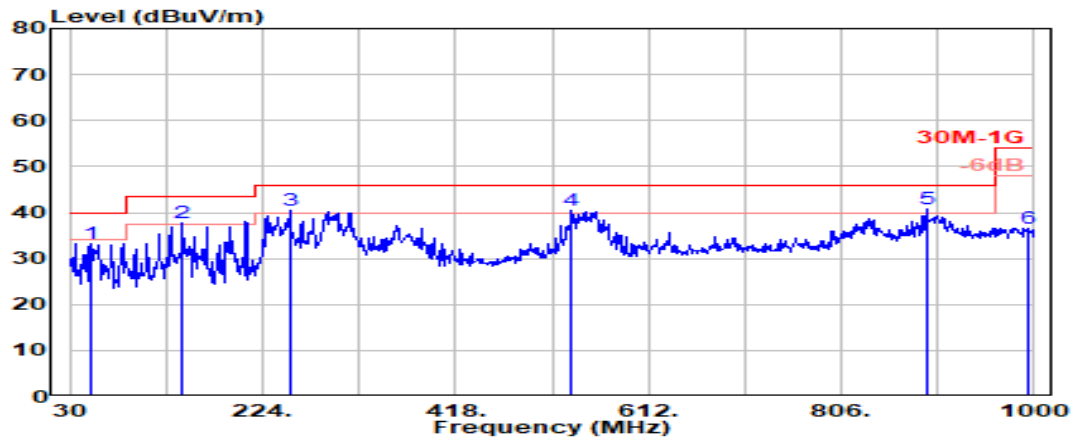
The emissions (9kHz~30MHz) not reported for there is no emission be found.

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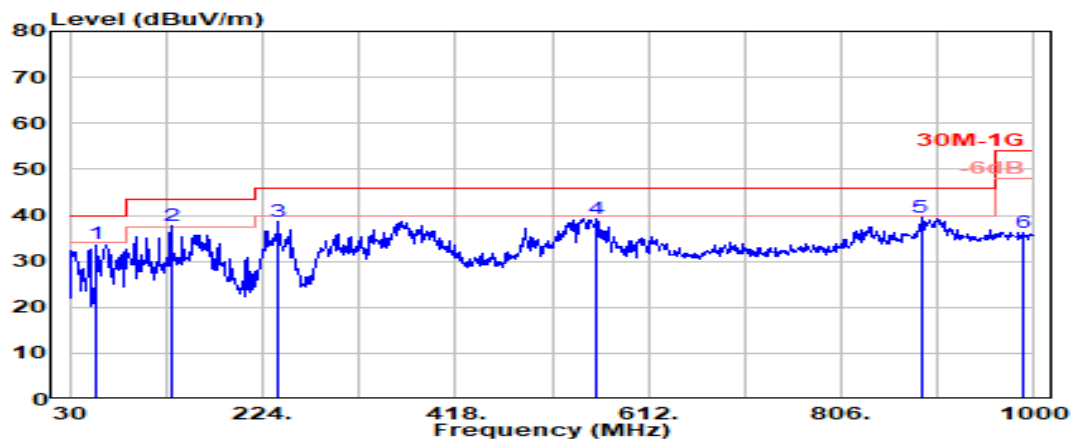
A.2.1.2 Frequency Below 1GHz

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
51.000	14.78	1.81	26.44	43.15	33.29	40.00	6.71	Peak
144.000	17.48	3.12	26.02	43.30	37.88	43.50	5.62	Peak
251.000	18.79	4.19	25.68	43.28	40.58	46.00	5.42	Peak
535.000	24.04	7.01	27.19	36.50	40.36	46.00	5.64	Peak
892.000	26.57	8.77	27.02	32.43	40.75	46.00	5.25	Peak
993.000	27.37	9.34	26.72	26.68	36.68	54.00	17.32	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
57.000	13.42	1.95	26.42	44.87	33.83	40.00	6.17	Peak
132.000	18.12	3.00	26.08	42.58	37.62	43.50	5.88	Peak
240.000	18.21	4.09	25.70	41.95	38.54	46.00	7.46	Peak
560.000	24.31	7.06	27.27	35.17	39.27	46.00	6.73	Peak
886.000	26.48	8.73	27.03	31.37	39.55	46.00	6.45	Peak

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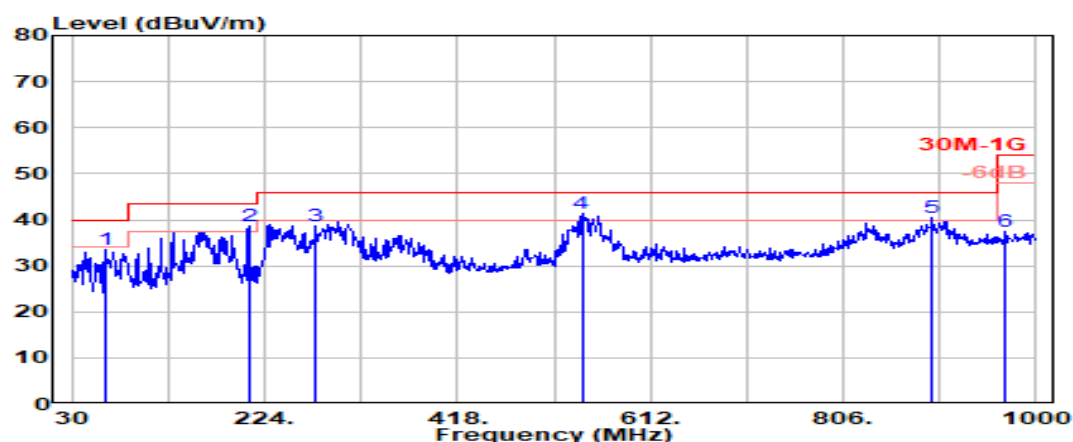
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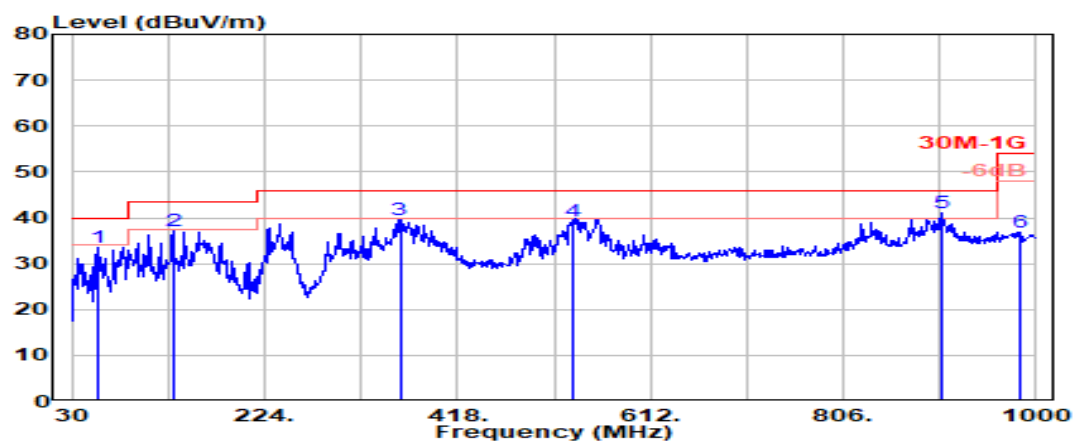
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Mode	GFSK	Frequency	TX 2441MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
64.000	12.78	2.09	26.39	45.14	33.62	40.00	6.38	Peak
208.000	16.30	3.76	25.77	44.27	38.56	43.50	4.94	Peak
276.000	19.22	4.45	25.64	40.67	38.69	46.00	7.31	Peak
543.000	24.12	7.03	27.22	37.38	41.30	46.00	4.70	Peak
896.000	26.61	8.79	27.01	31.95	40.34	46.00	5.66	Peak
969.000	27.18	9.21	26.79	27.72	37.32	54.00	16.68	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
57.000	13.42	1.95	26.42	44.41	33.37	40.00	6.63	Peak
132.000	18.12	3.00	26.08	42.14	37.18	43.50	6.32	Peak
360.000	21.19	5.55	26.11	38.91	39.54	46.00	6.46	Peak
534.000	24.03	7.01	27.19	35.50	39.35	46.00	6.65	Peak
904.000	26.71	8.84	26.99	32.44	41.00	46.00	5.00	Peak
984.000	27.30	9.29	26.75	27.05	36.90	54.00	17.10	Peak

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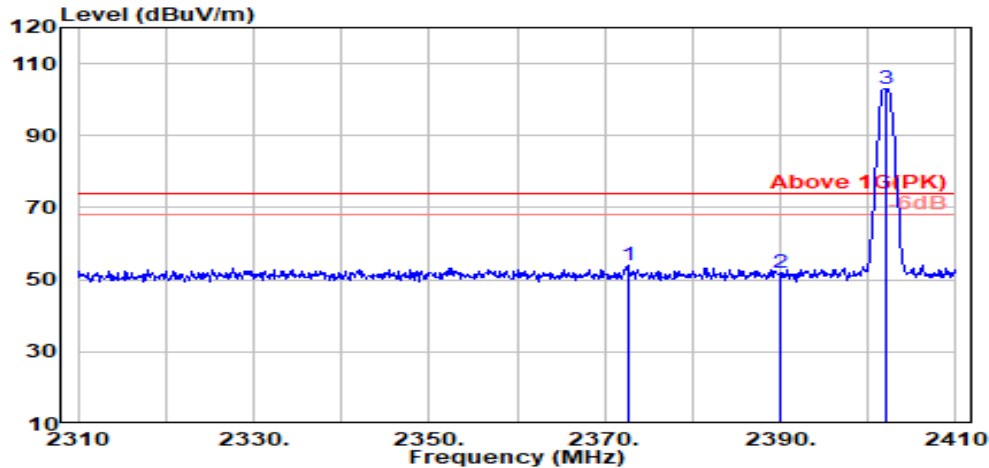
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Mode	8-DPSK				Frequency	TX 2402MHz		
Antenna at Horizontal Polarization								
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
65.000	12.78	2.10	26.38	43.94	32.44	40.00	7.56	Peak
144.000	17.48	3.12	26.02	42.48	37.06	43.50	6.44	Peak
288.000	19.41	4.57	25.62	40.24	38.60	46.00	7.40	Peak
555.000	24.25	7.05	27.25	31.05	35.10	46.00	10.90	Peak
899.000	26.65	8.81	27.00	29.30	37.77	46.00	8.23	Peak
983.000	27.29	9.29	26.75	27.02	36.85	54.00	17.15	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
65.000	12.78	2.10	26.38	46.67	35.17	40.00	4.83	Peak
144.000	17.48	3.12	26.02	43.38	37.97	43.50	5.53	Peak
355.000	21.07	5.49	26.07	38.75	39.23	46.00	6.77	Peak
495.000	23.55	6.90	27.05	32.92	36.32	46.00	9.68	Peak
903.000	26.70	8.84	26.99	31.97	40.52	46.00	5.48	Peak
977.000	27.25	9.26	26.77	27.95	37.69	54.00	16.31	Peak

A.2.1.3 Frequency Above 1 GHz to 10th harmonics

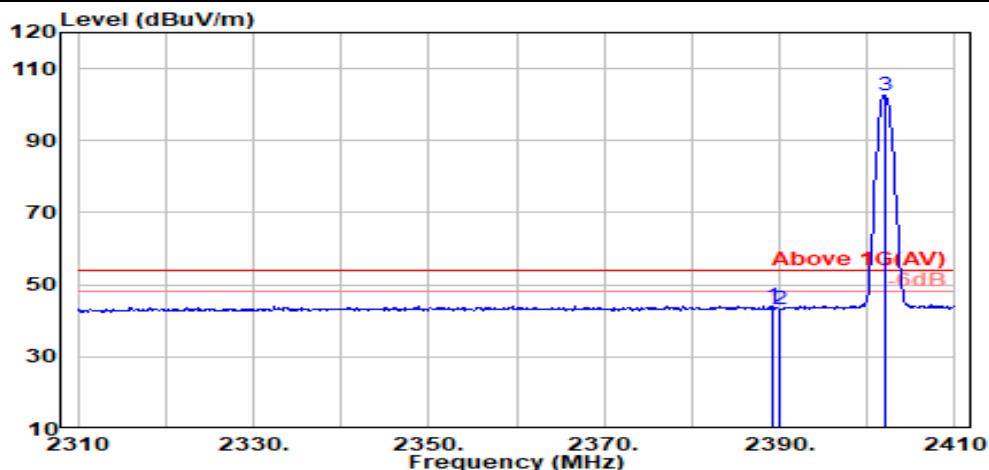
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2372.680	28.20	6.01	39.93	59.61	53.88	74.00	20.12	Peak
2390.000	28.20	6.03	39.93	57.69	51.99	74.00	22.01	Peak
@ 2402.165	28.20	6.05	39.93	108.65	102.98	---	---	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
2389.175	28.20	6.03	39.93	49.80	44.10	54.00	9.90	Average
2390.000	28.20	6.03	39.93	48.89	43.19	54.00	10.81	Average
@ 2402.062	28.20	6.05	39.93	108.40	102.73	---	---	Average

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

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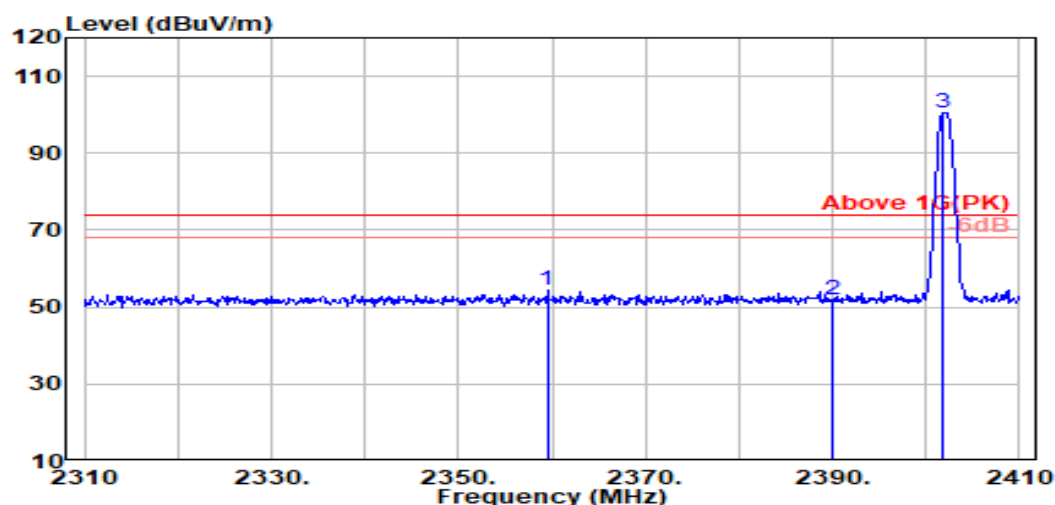
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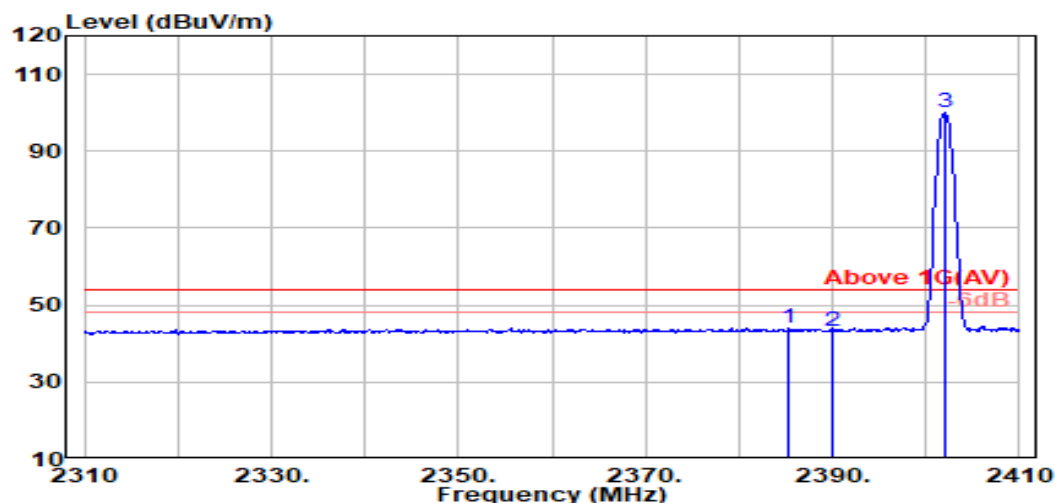
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Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2359.485	28.20	5.99	39.93	60.12	54.38	74.00	19.62	Peak
2390.000	28.20	6.03	39.93	57.45	51.76	74.00	22.24	Peak
@ 2401.856	28.20	6.05	39.93	106.02	100.35	---	---	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2385.258	28.20	6.03	39.93	49.67	43.97	54.00	10.03	Average
2390.000	28.20	6.03	39.93	48.94	43.25	54.00	10.75	Average
@ 2402.062	28.20	6.05	39.93	105.71	100.04	---	---	Average

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

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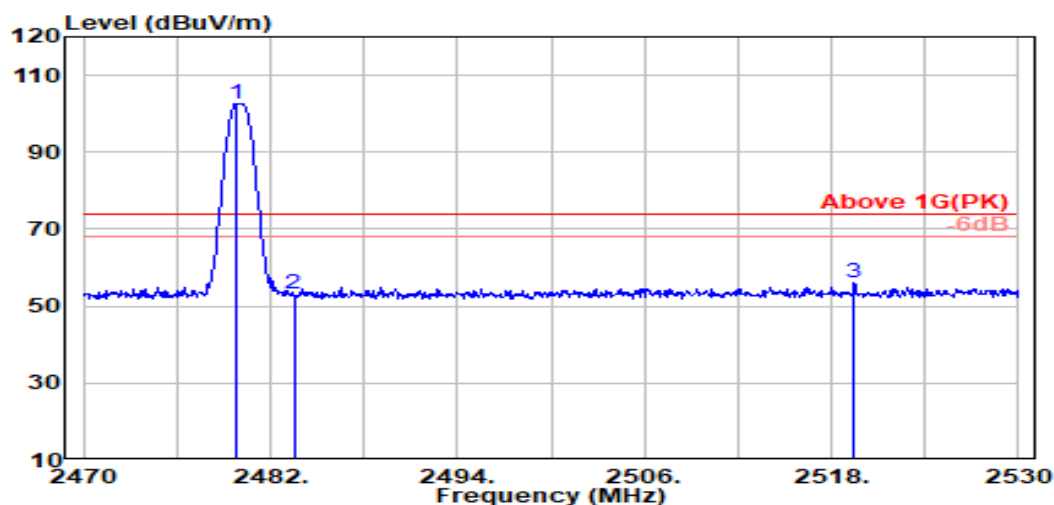
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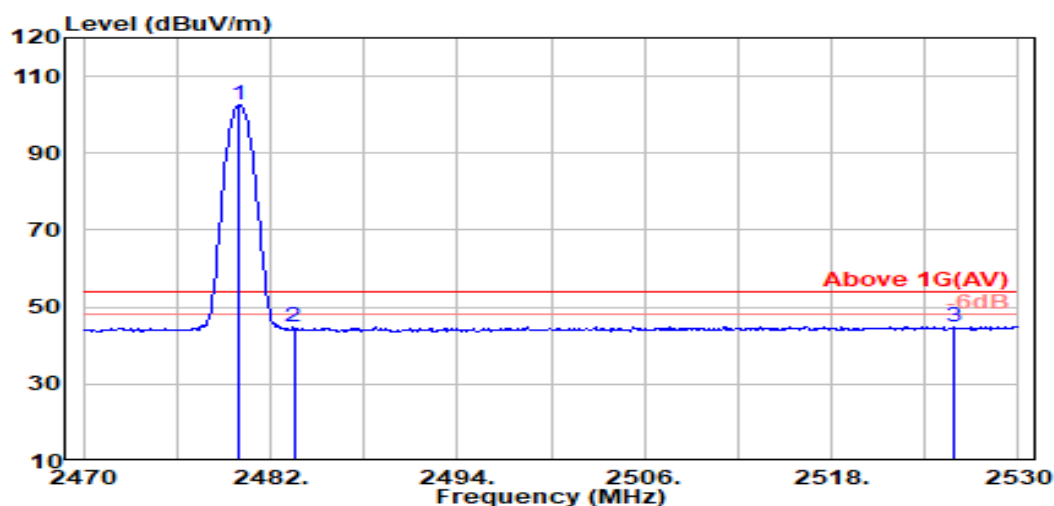
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

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
@ 2479.835	28.42	6.16	39.92	108.03	102.69	---	---	Peak
2483.500	28.43	6.17	39.92	58.36	53.04	74.00	20.96	Peak
2519.485	28.58	6.21	39.93	61.07	55.94	74.00	18.06	Peak

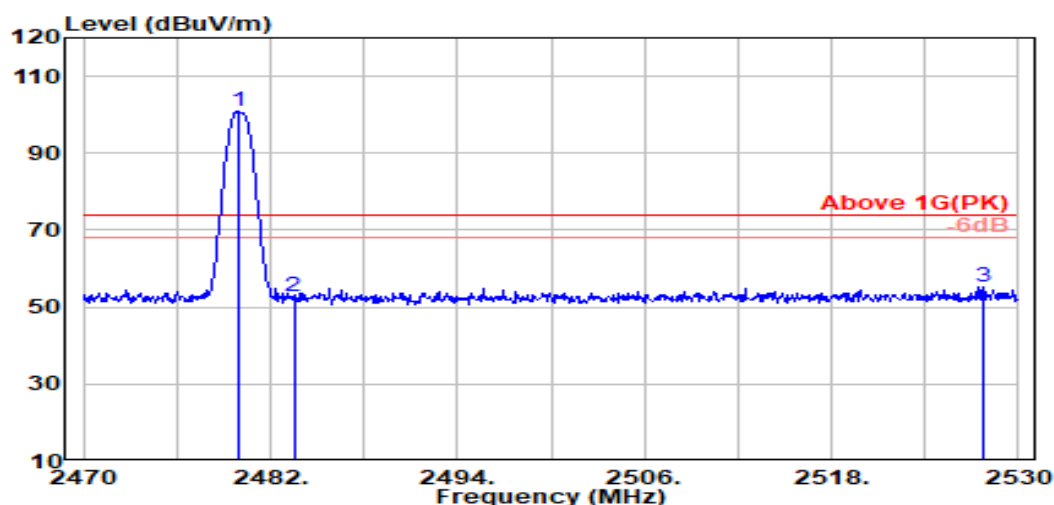


Antenna at Horizontal Polarization

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
@ 2480.021	28.42	6.16	39.92	107.78	102.45	---	---	Average
2483.500	28.43	6.17	39.92	49.99	44.67	54.00	9.33	Average
2525.794	28.60	6.22	39.93	50.13	45.03	54.00	8.97	Average

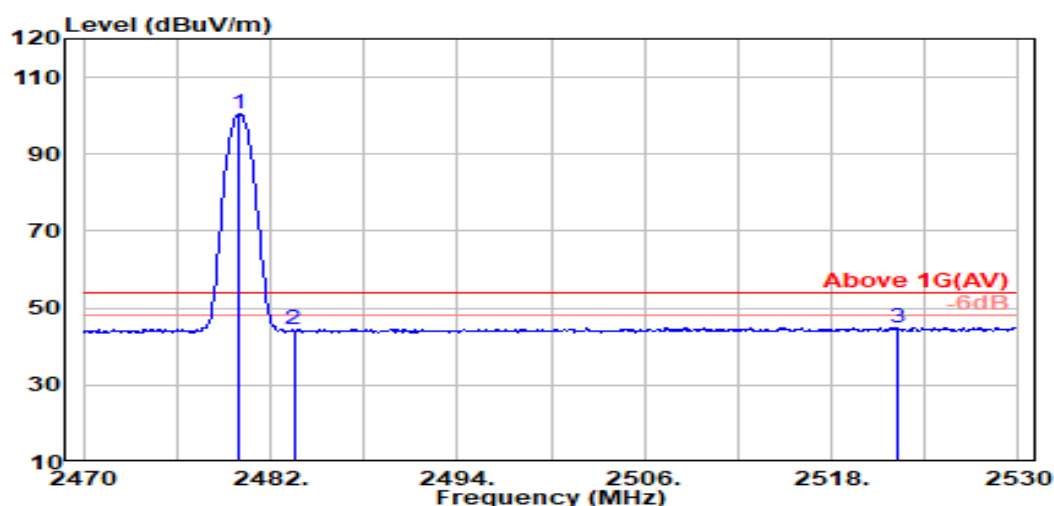
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
@ 2479.897	28.42	6.16	39.92	106.26	100.92	---	---	Peak
2483.500	28.43	6.17	39.92	58.04	52.72	74.00	21.28	Peak
2527.773	28.61	6.22	39.93	60.27	55.18	74.00	18.82	Peak



Antenna at Vertical Polarization

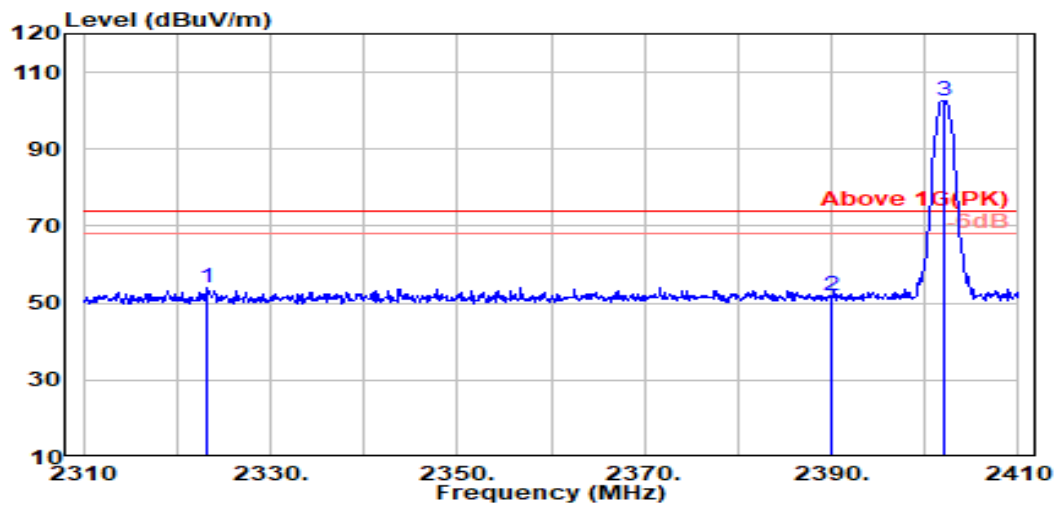
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@ 2480.021	28.42	6.16	39.92	105.74	100.40	---	---	Average
2483.500	28.43	6.17	39.92	49.59	44.27	54.00	9.73	Average
2522.206	28.59	6.22	39.93	50.07	44.95	54.00	9.05	Average

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

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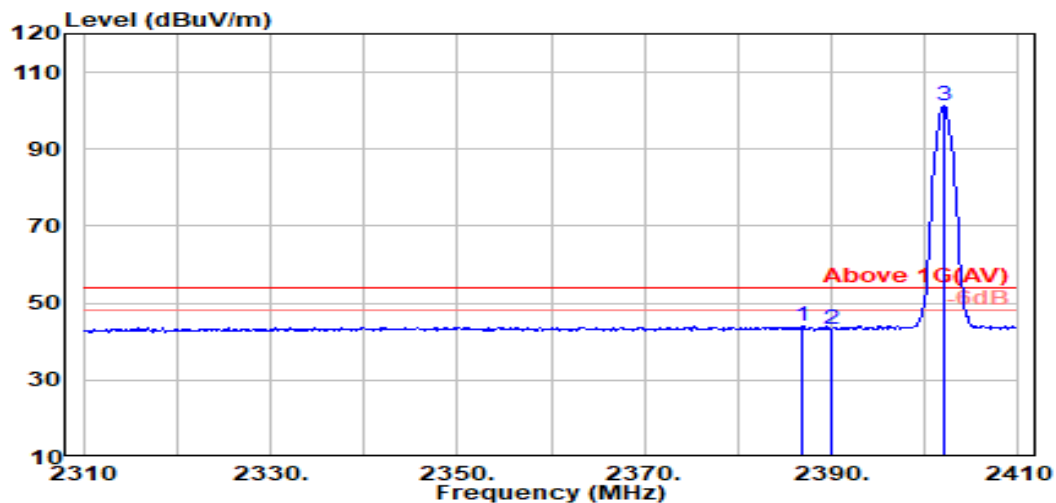
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2323.299	28.09	5.94	39.94	60.01	54.10	74.00	19.90	Peak
2390.000	28.20	6.03	39.93	57.72	52.03	74.00	21.97	Peak
@ 2402.165	28.20	6.05	39.93	108.17	102.50	---	---	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
2386.907	28.20	6.03	39.93	49.62	43.92	54.00	10.08	Average
2390.000	28.20	6.03	39.93	49.01	43.31	54.00	10.69	Average
@ 2402.062	28.20	6.05	39.93	107.18	101.51	---	---	Average

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

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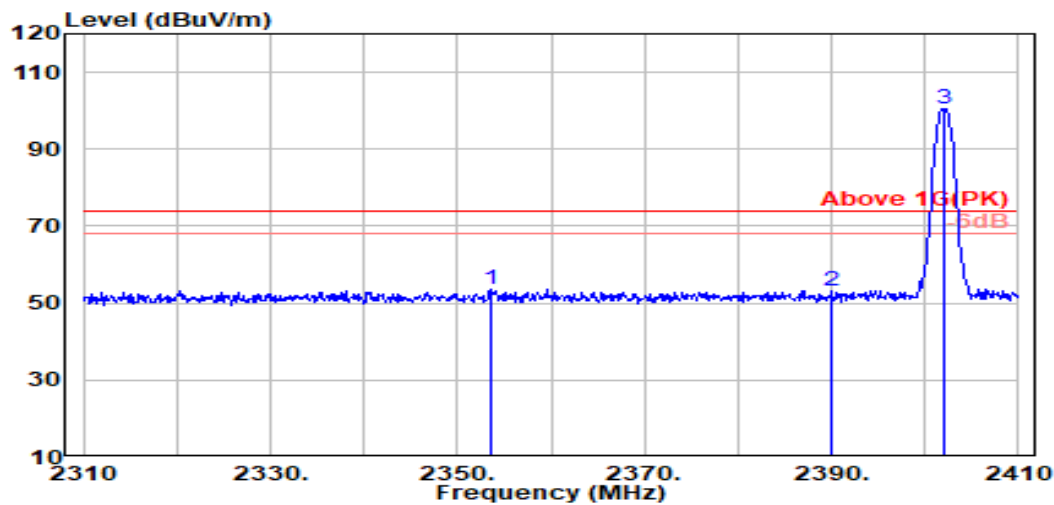
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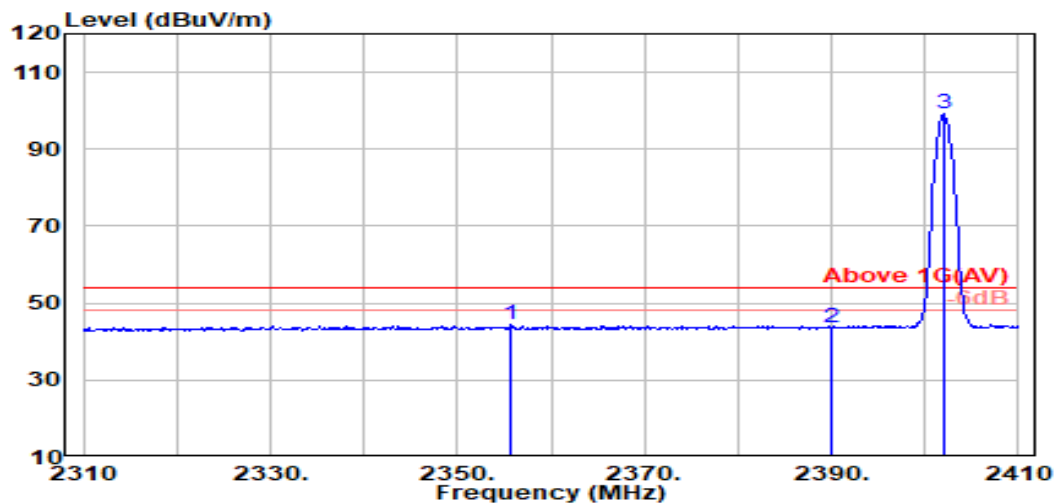
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

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
2353.505	28.20	5.98	39.93	59.37	53.62	74.00	20.38	Peak
2390.000	28.20	6.03	39.93	58.71	53.02	74.00	20.98	Peak
@ 2402.165	28.20	6.05	39.93	106.02	100.35	---	---	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
2355.773	28.20	5.98	39.93	50.11	44.36	54.00	9.64	Average
2390.000	28.20	6.03	39.93	49.50	43.81	54.00	10.19	Average
@ 2402.062	28.20	6.05	39.93	105.07	99.39	---	---	Average

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

File Number: C1M2602136

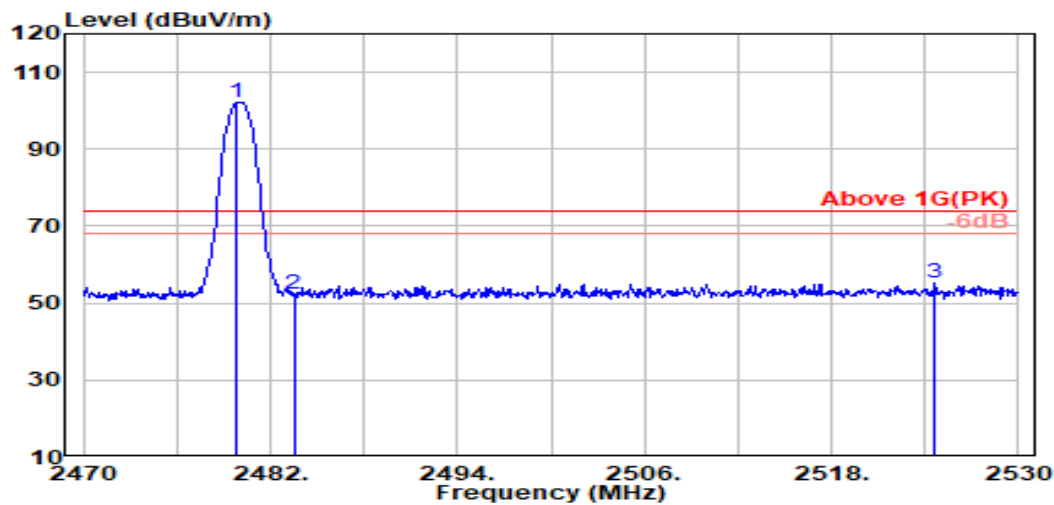
Report Number: EM-F260111

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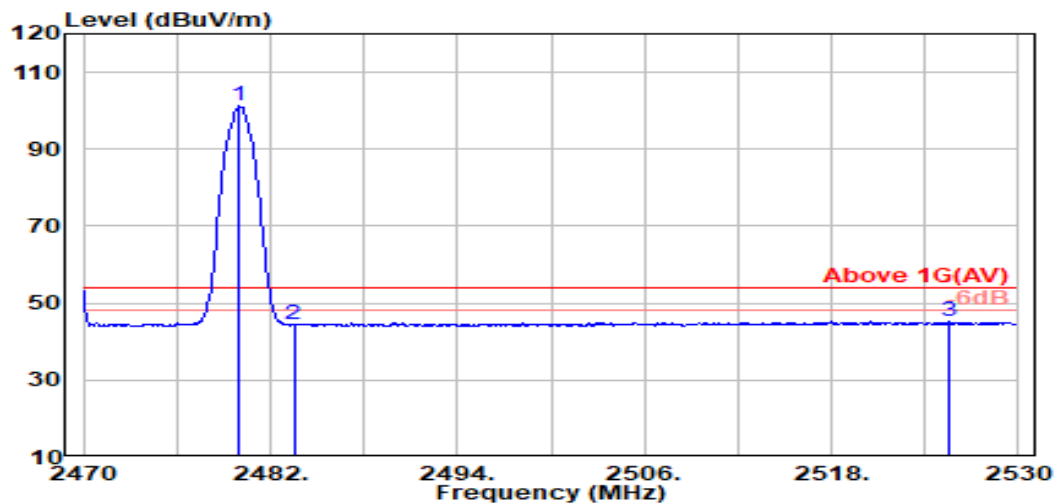
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

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
@ 2479.835	28.42	6.16	39.92	107.56	102.22	---	---	Peak
2483.500	28.43	6.17	39.92	57.53	52.21	74.00	21.79	Peak
2524.619	28.60	6.22	39.93	60.54	55.43	74.00	18.57	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
@ 2480.021	28.42	6.16	39.92	106.62	101.28	---	---	Average
2483.500	28.43	6.17	39.92	49.76	44.44	54.00	9.56	Average
2525.546	28.60	6.22	39.93	50.35	45.25	54.00	8.75	Average

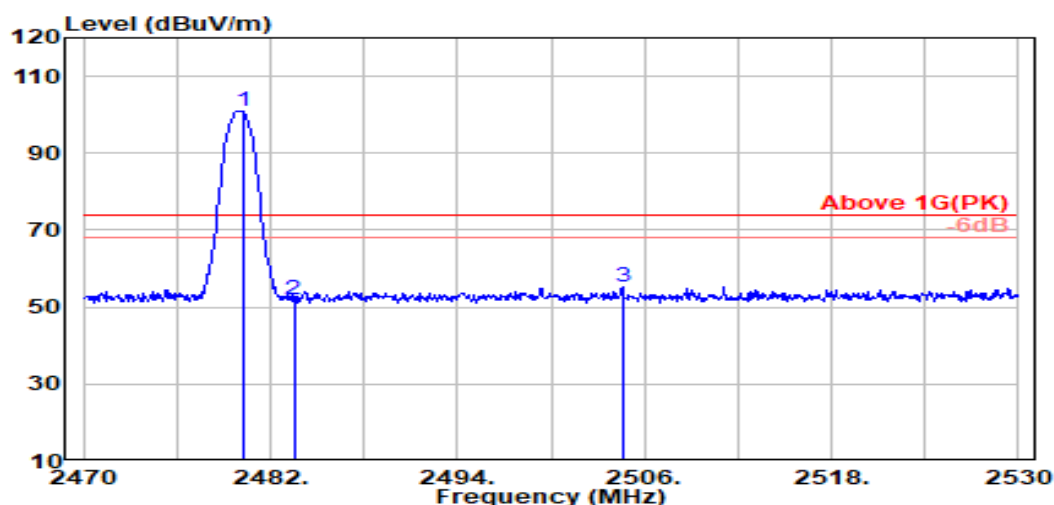
Remark: The “@” means fundamental frequency, it is ignored in this section.

File Number: C1M2602136

Report Number: EM-F260111

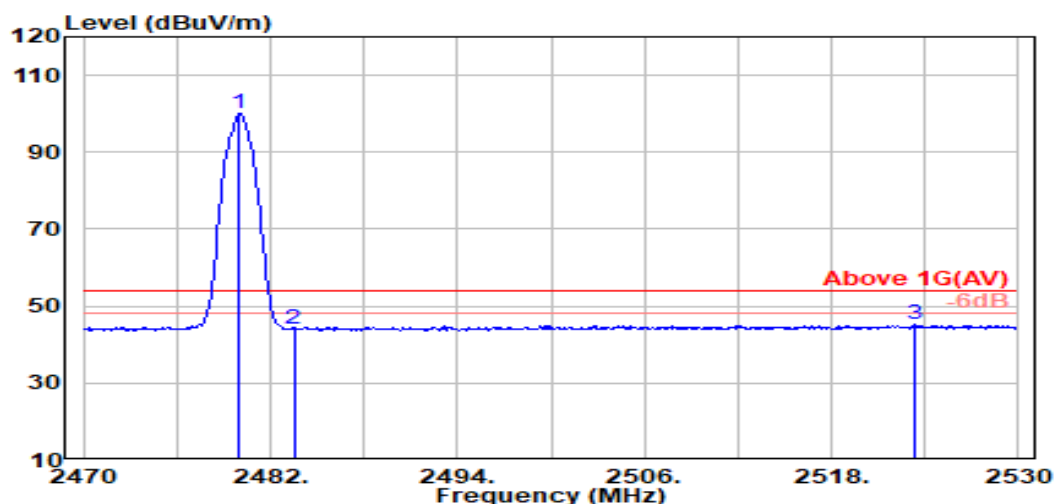
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.206	28.42	6.16	39.92	106.34	101.00	---	---	Peak
2483.500	28.43	6.17	39.92	57.19	51.87	74.00	22.13	Peak
2504.577	28.52	6.20	39.92	60.45	55.25	74.00	18.75	Peak



Antenna at Vertical Polarization

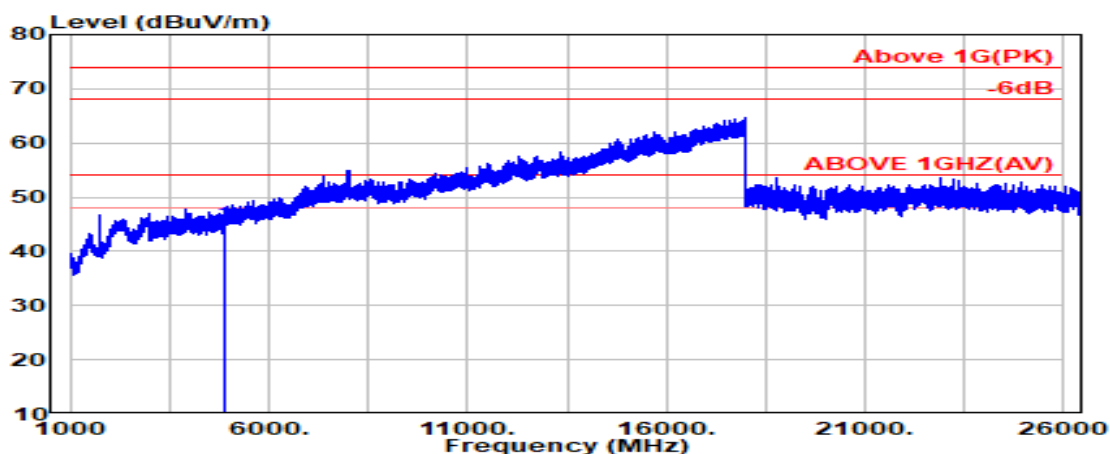
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.021	28.42	6.16	39.92	105.37	100.04	---	---	Average
2483.500	28.43	6.17	39.92	49.43	44.11	54.00	9.89	Average
2523.381	28.59	6.22	39.93	50.24	45.12	54.00	8.88	Average

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

A.2.2 Emissions outside the frequency band:

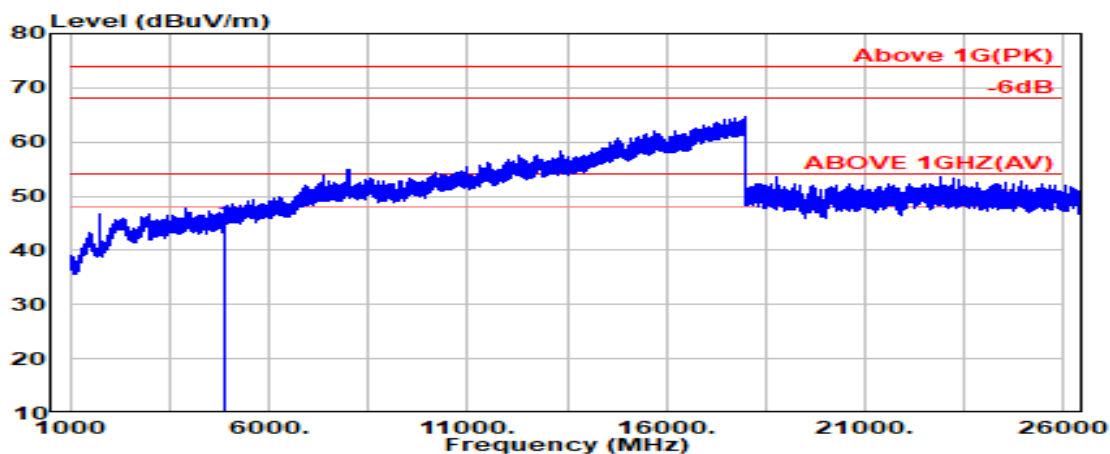
The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	Normal	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
4880.000	33.02	8.37	39.35	43.05	45.09	54.00	8.91	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
4880.000	33.02	8.37	39.35	43.15	45.19	54.00	8.81	Peak

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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	8.32	39.39	40.98	42.63	54.00	11.37	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	8.32	39.39	41.76	43.41	54.00	10.59	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
4880.000	33.02	8.37	39.35	43.60	45.64	54.00	8.36	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
4880.000	33.02	8.37	39.35	42.66	44.70	54.00	9.30	Peak

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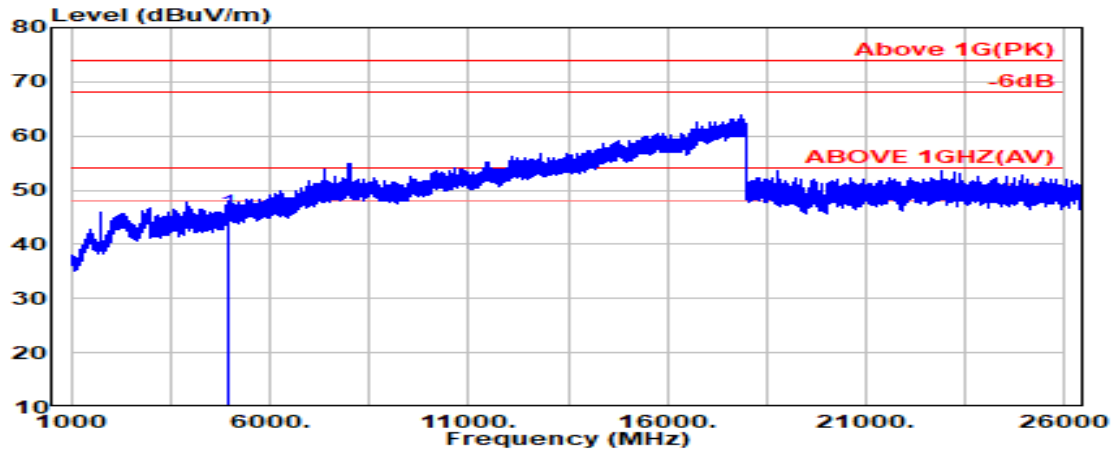
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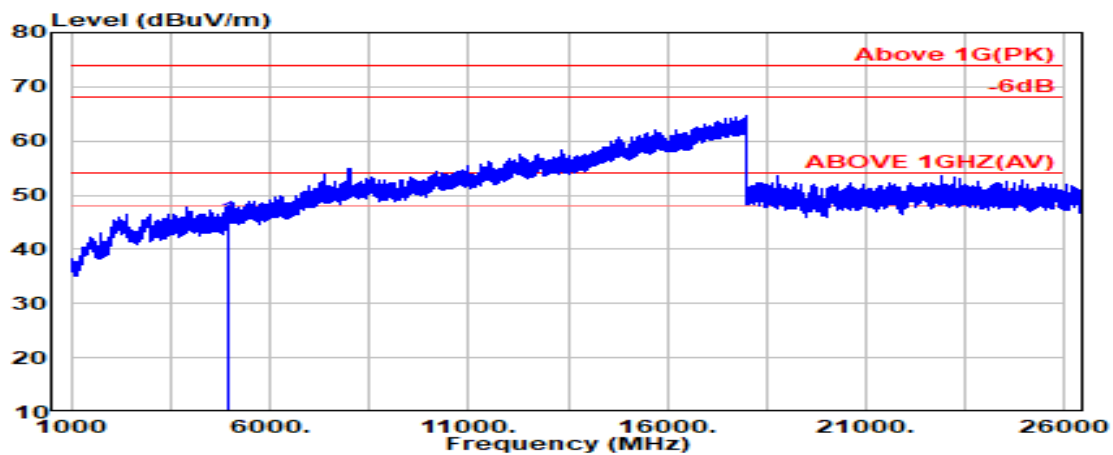
Fax: +886 2 26099303

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 (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	43.52	45.85	54.00	8.15	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	43.36	45.68	54.00	8.32	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	8.32	39.39	42.63	44.28	54.00	9.72	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	8.32	39.39	43.48	45.13	54.00	8.87	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	8.38	39.35	43.03	45.08	54.00	8.92	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	8.38	39.35	42.20	44.25	54.00	9.75	Peak

Mode	8-DPSK				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 (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	42.41	44.74	54.00	9.26	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	8.42	39.32	43.17	45.50	54.00	8.50	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	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.3.1 20dB Bandwidth Result

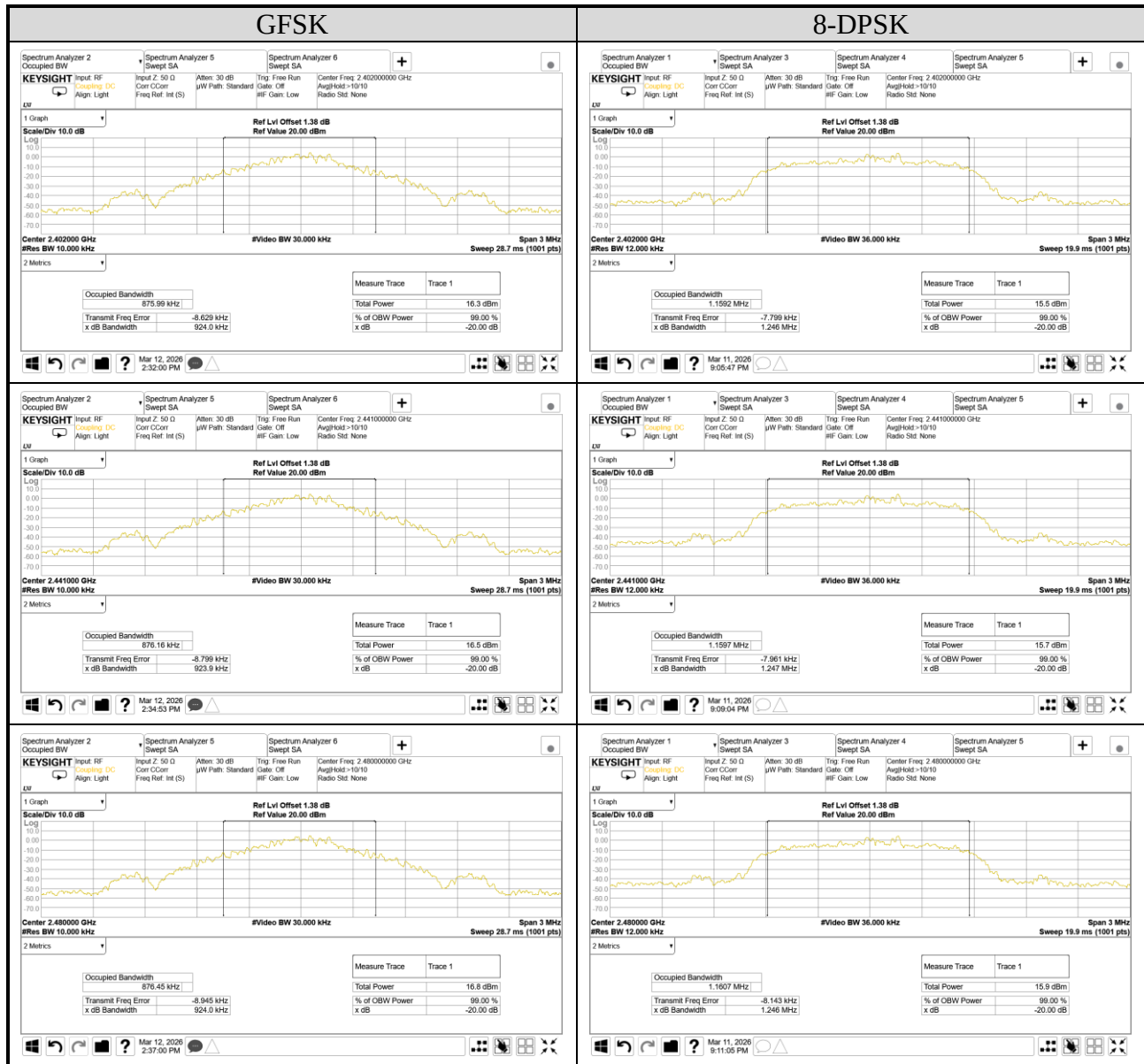
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9240	0.87599	0.616
	2441	0.9239	0.87616	0.616
	2480	0.9240	0.87645	0.616
8-DPSK	2402	1.246	1.1592	0.831
	2441	1.247	1.1597	0.831
	2480	1.246	1.1607	0.831

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

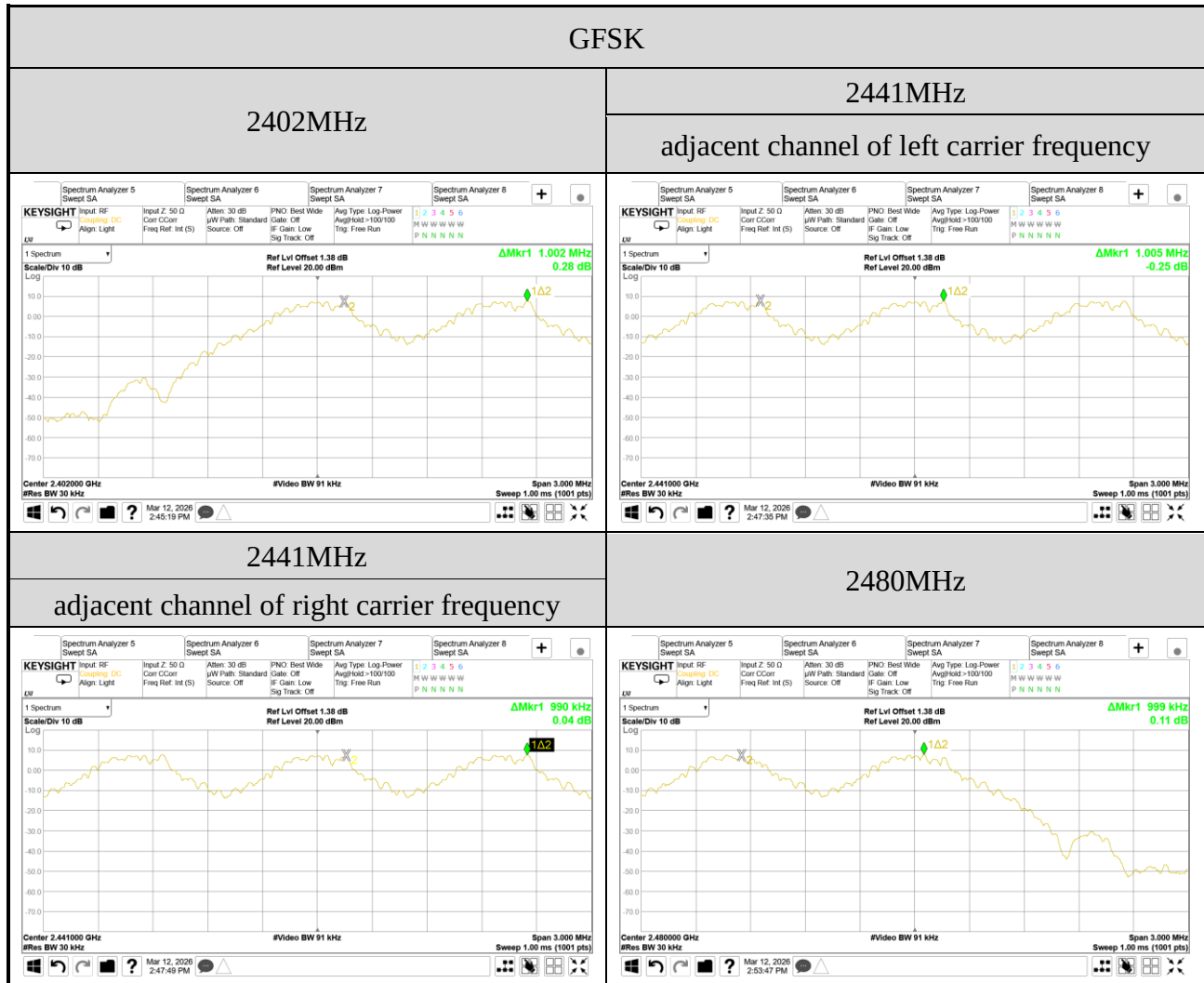


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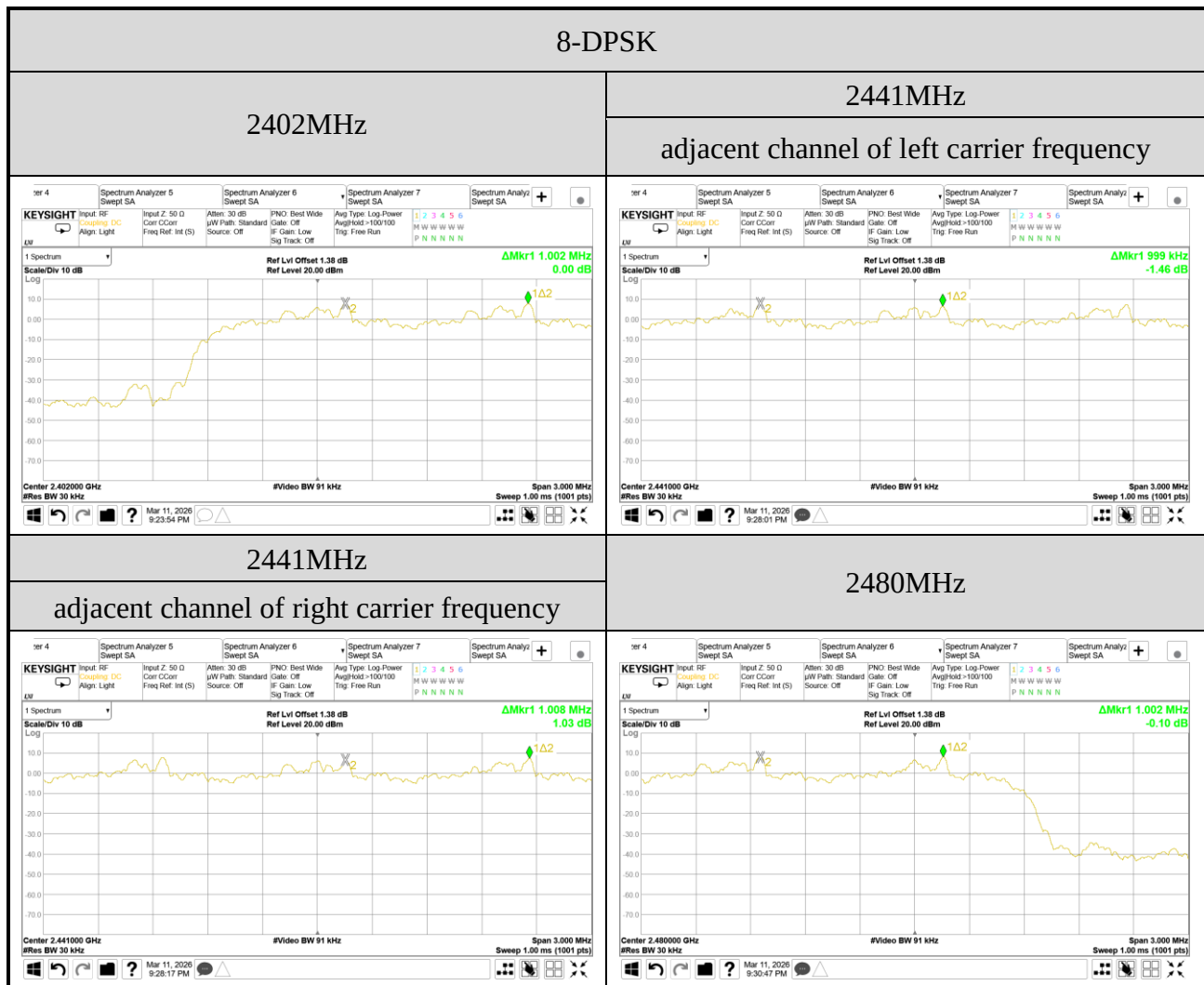
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Swan Wang
Test Voltage	AC 120V, 60Hz		



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A.5 TIME OF OCCUPANCY

Test Date	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Swan 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	0.380	120.080	<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* 0.380 ms= 120.080 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	0.370	116.920	<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* 0.370 ms= 116.920 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	2480	DH1	10	0.380	120.080	<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* **0.380** ms= **120.080** 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

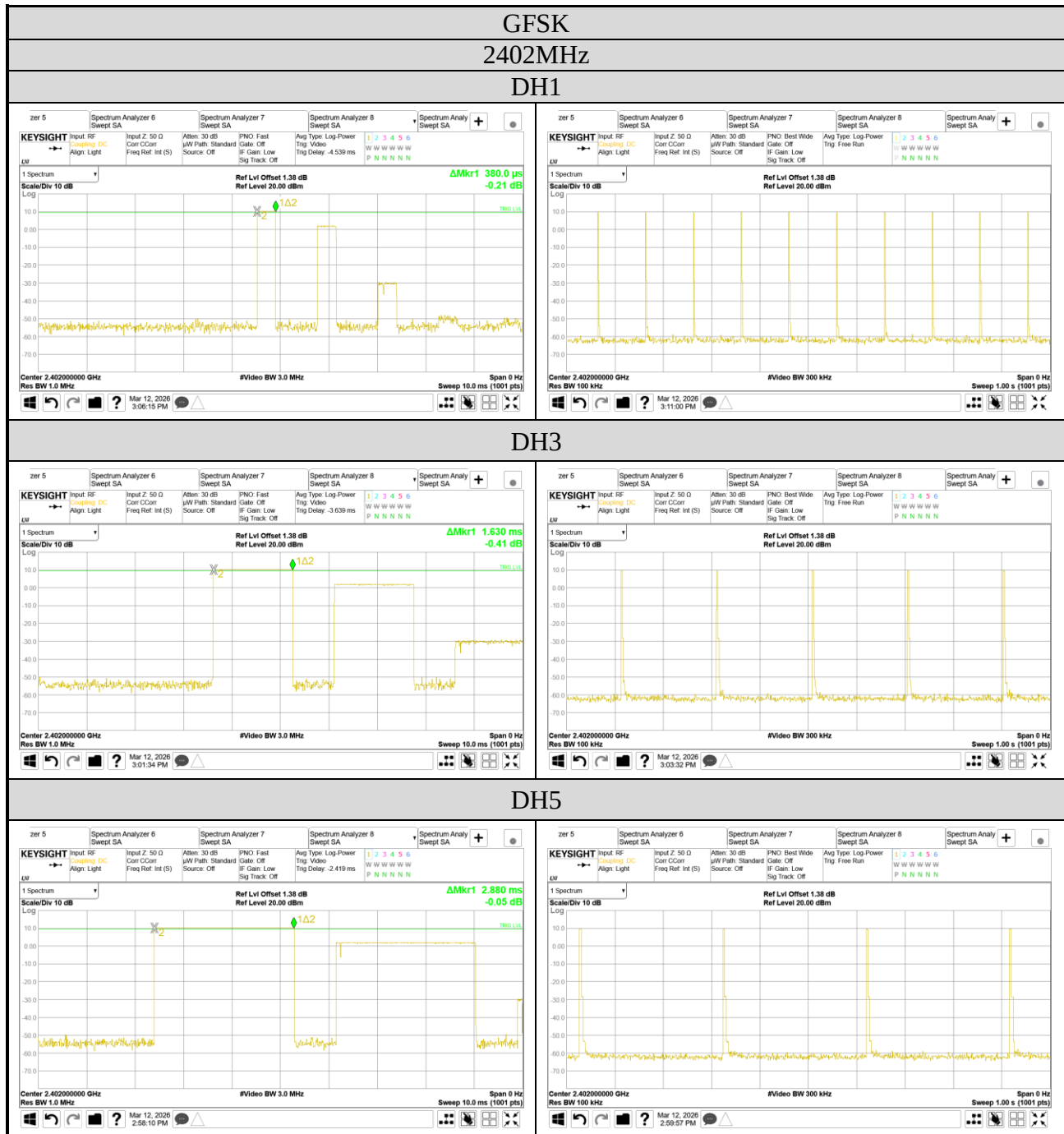
For each second of **4** transmission appearance, the longest time of occupancy is

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

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● Measurement Plots



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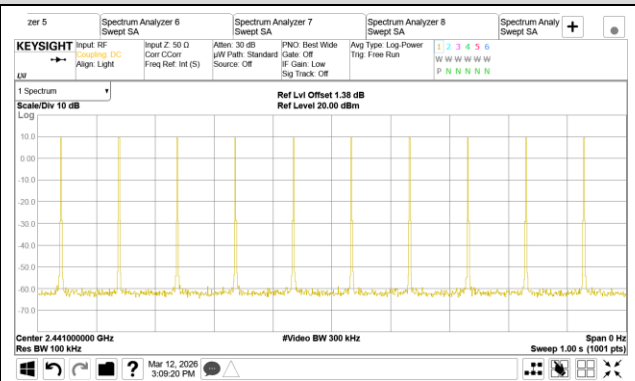
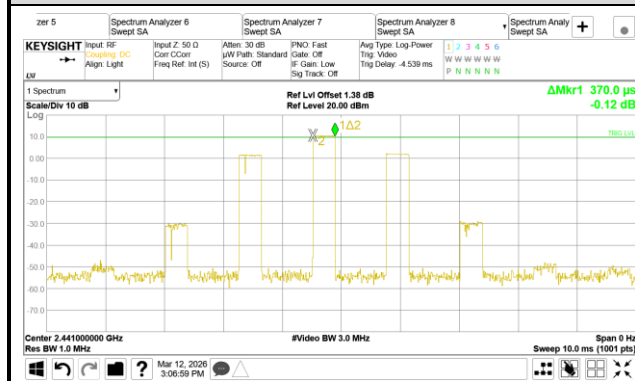
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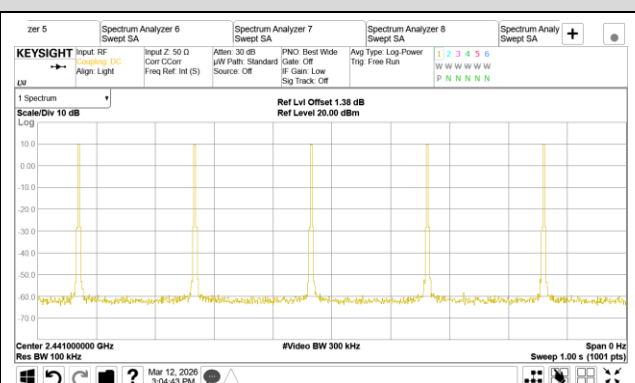
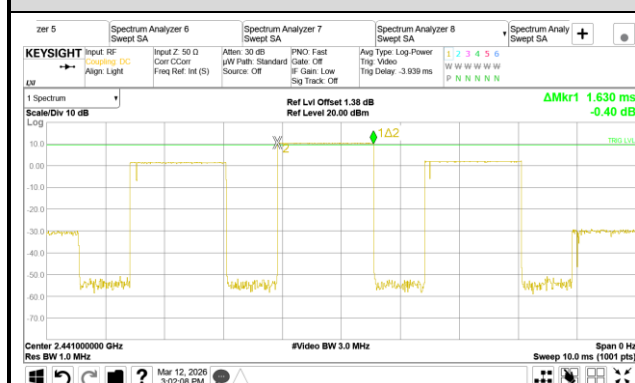
GFSK

2441MHz

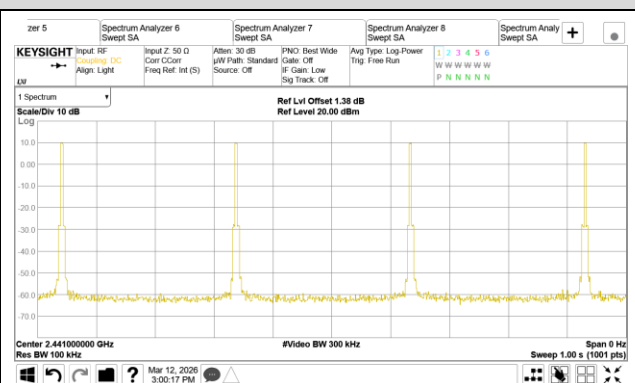
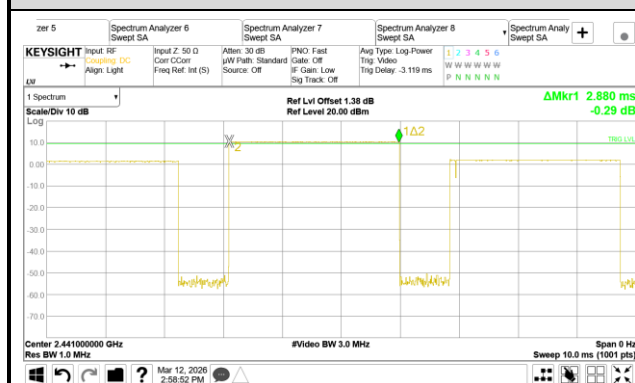
DH1



DH3



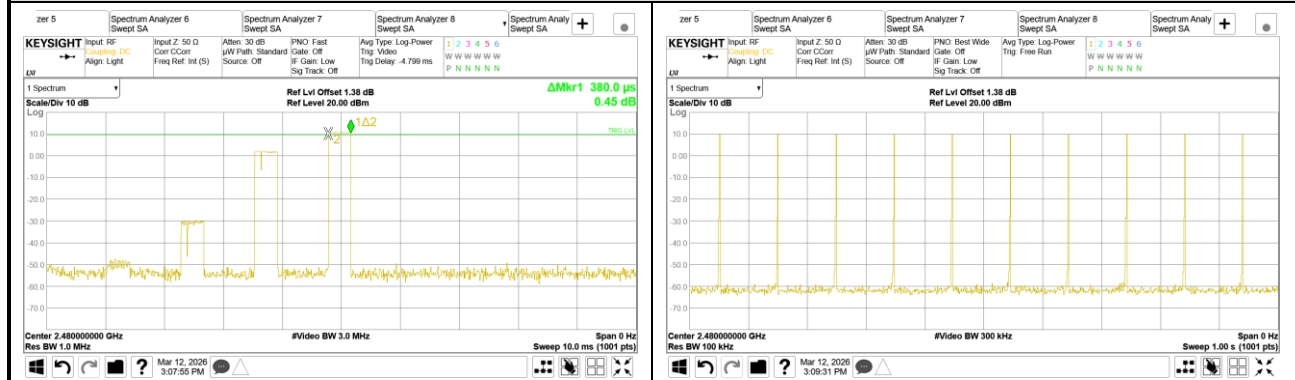
DH5



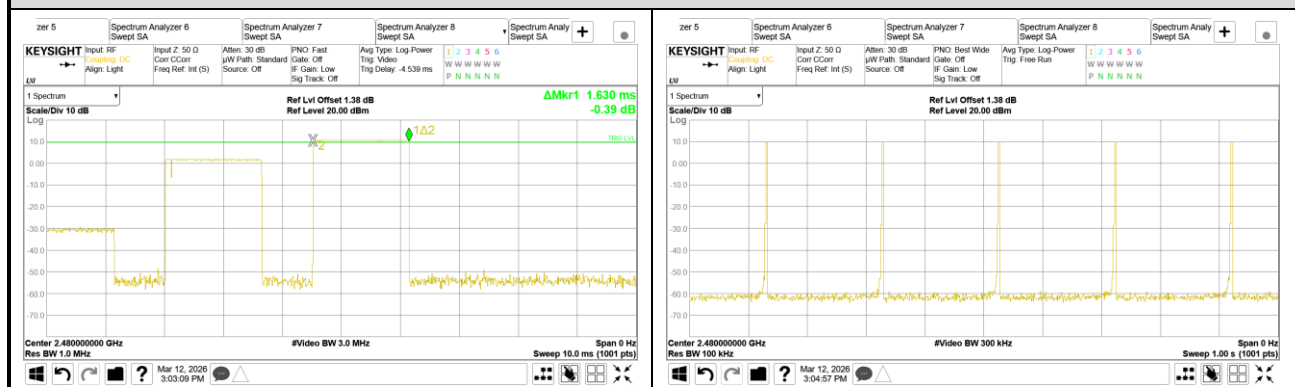
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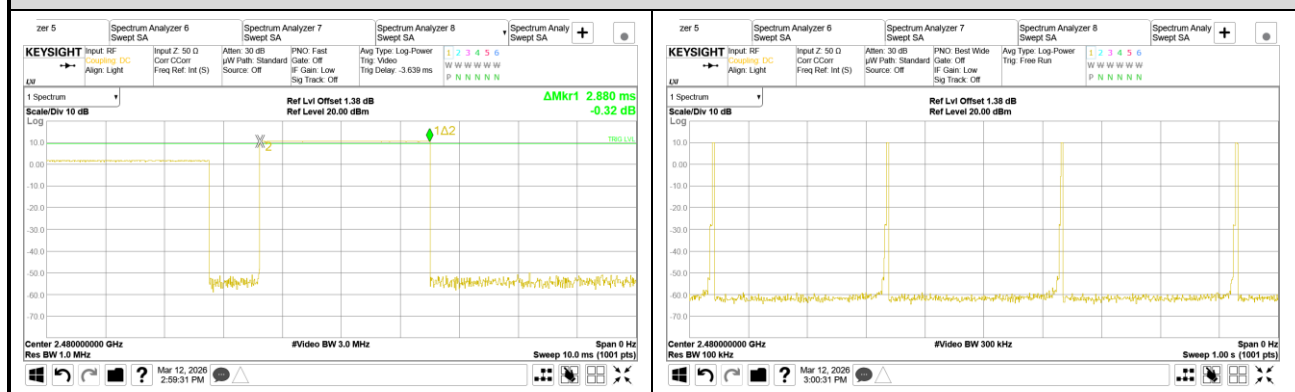
GFSK 2480MHz DH1



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)

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

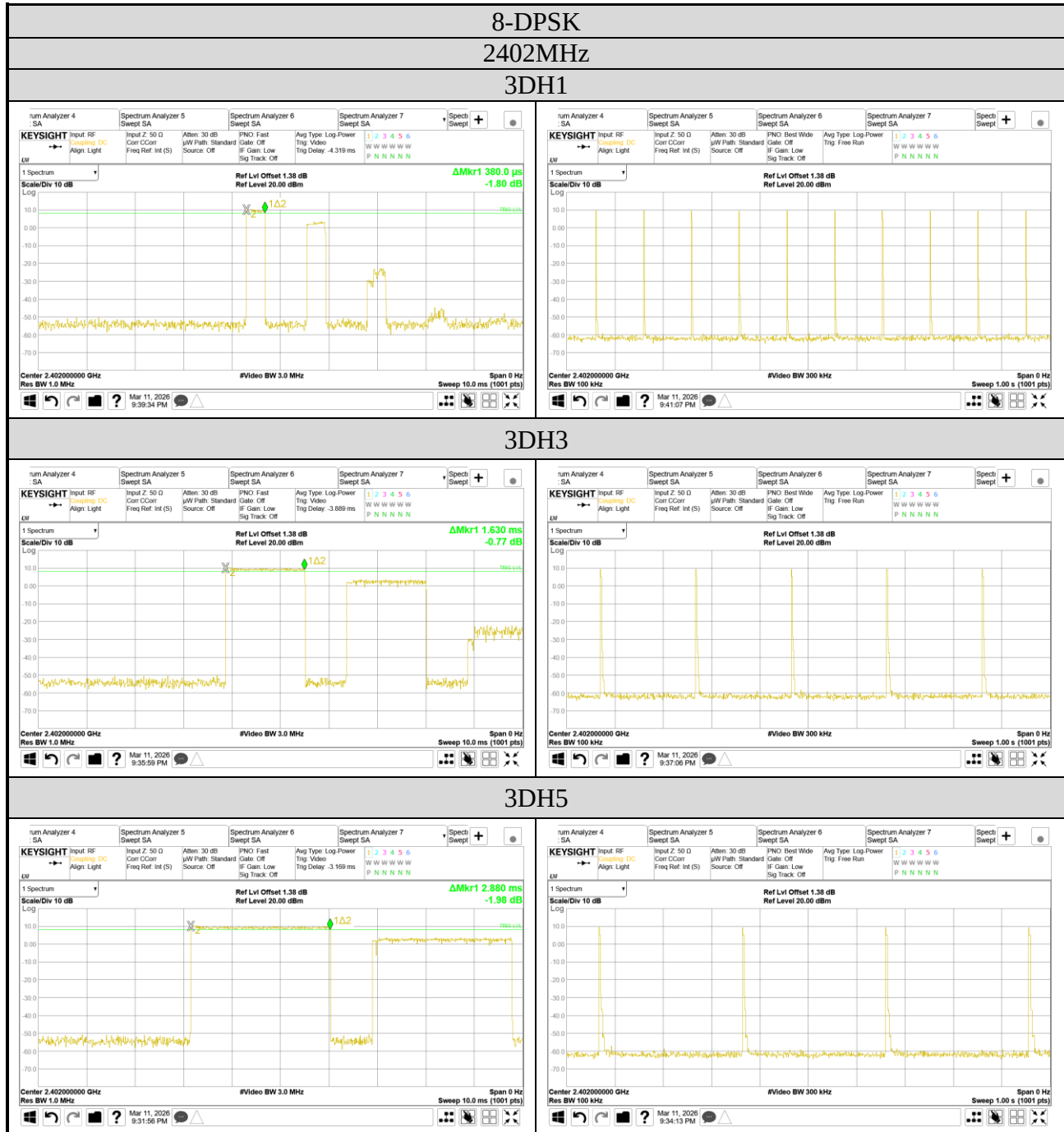
For each second of **4** transmission appearance, the longest time of occupancy is

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

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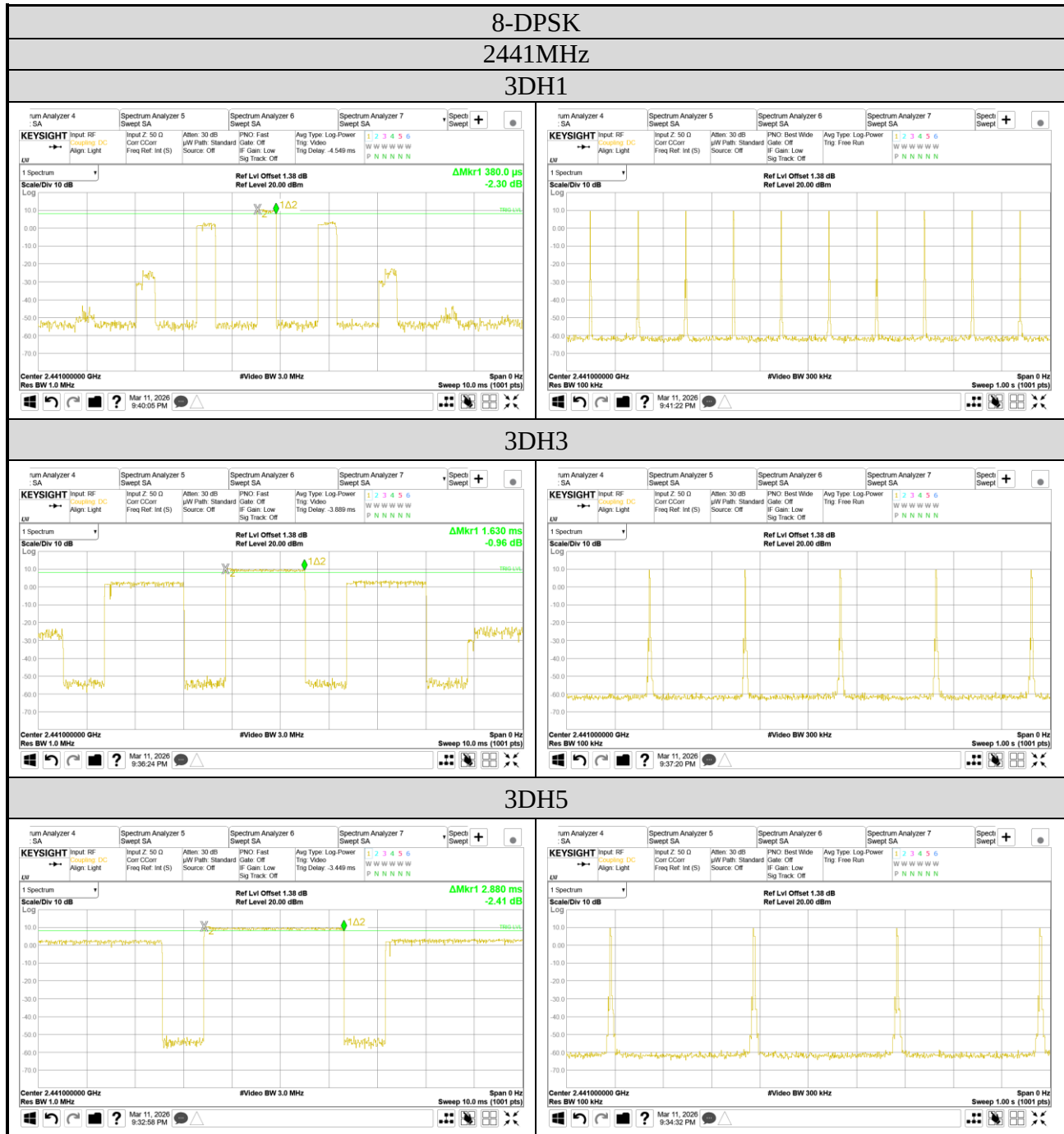
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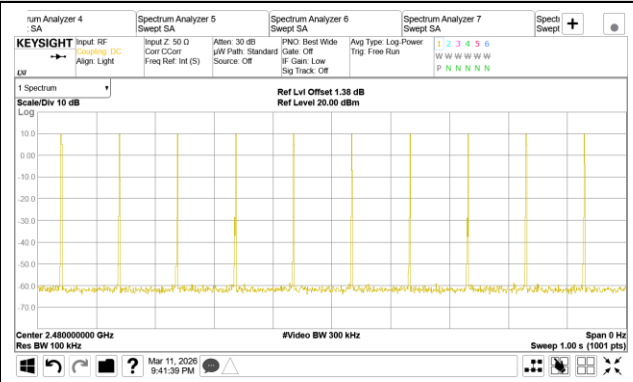
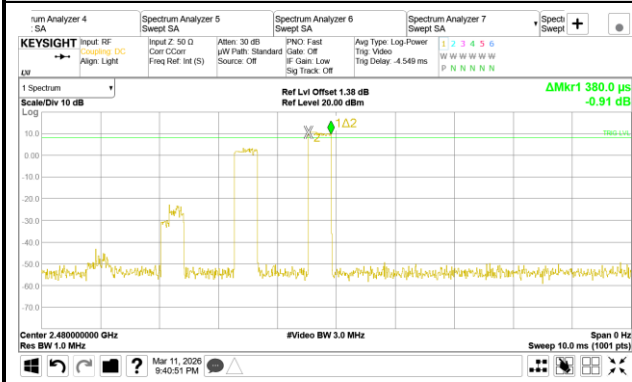
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8-DPSK

2480MHz

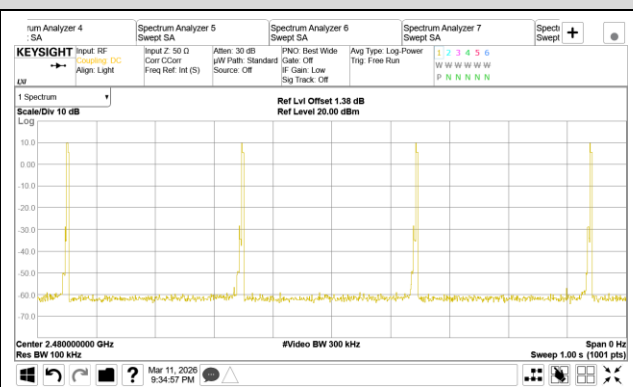
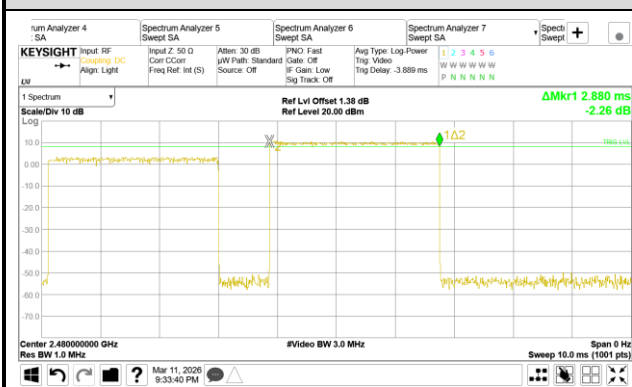
3DH1



3DH3



3DH5

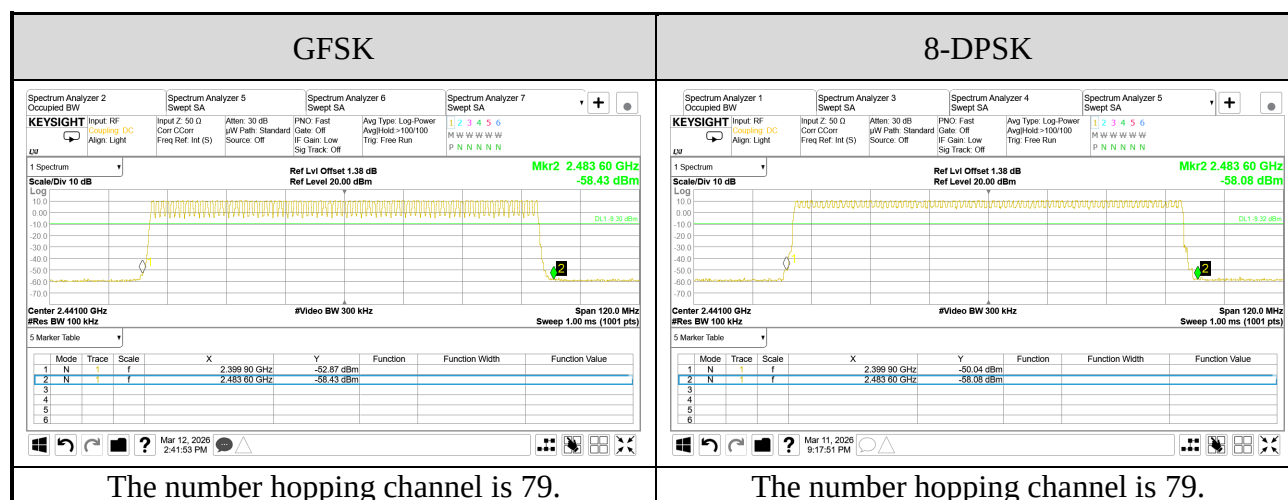


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A.6 NUMBER OF HOPPING CHANNELS

Test Date	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Swan Wang
Test Voltage	AC 120V, 60Hz		



A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Swan 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	10.96	0.012	2.73	13.69	0.023	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	11.09	0.013	2.73	13.82	0.024	
	2480	11.14	0.013	2.73	13.87	0.024	
8-DPSK	2402	10.86	0.012	2.73	13.59	0.023	<21dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	10.95	0.012	2.73	13.68	0.023	
	2480	10.99	0.013	2.73	13.72	0.024	

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	9.71	1.113	10.82	0.012
	2441	9.81	1.113	10.92	0.012
	2480	9.88	1.113	10.99	0.013
8-DPSK	2402	7.04	1.135	8.16	0.007
	2441	7.13	1.135	8.25	0.007
	2480	7.18	1.135	8.30	0.007

A.8 EMISSION LIMITATIONS MEASUREMENT

Test Date	2026/03/11 ~ 12	Temp./Hum.	19~22°C/54~61%
Cable Loss	1.38dB	Tested By	Swan Wang
Test Voltage	AC 120V, 60Hz		

A.8.1 Band Edge



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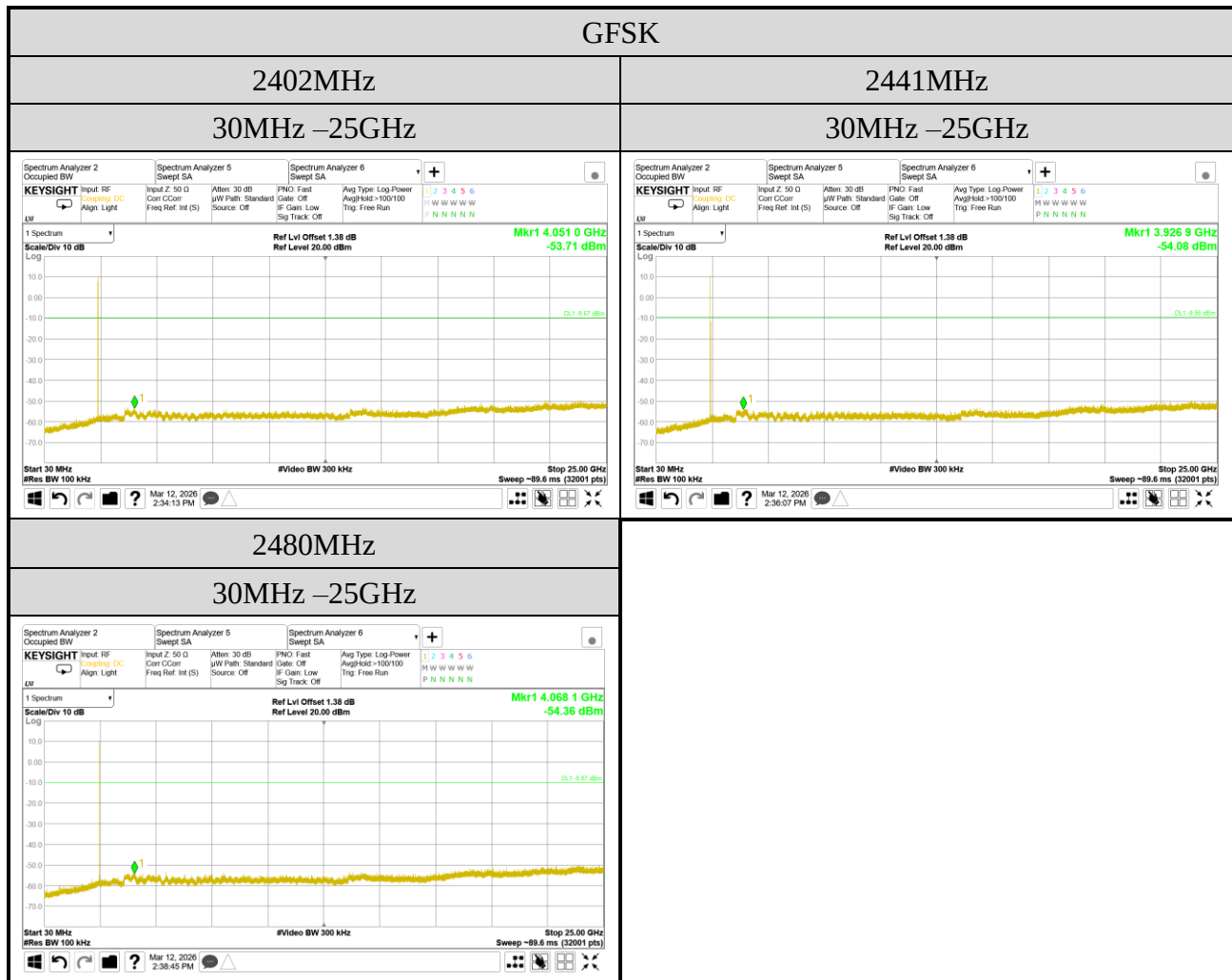
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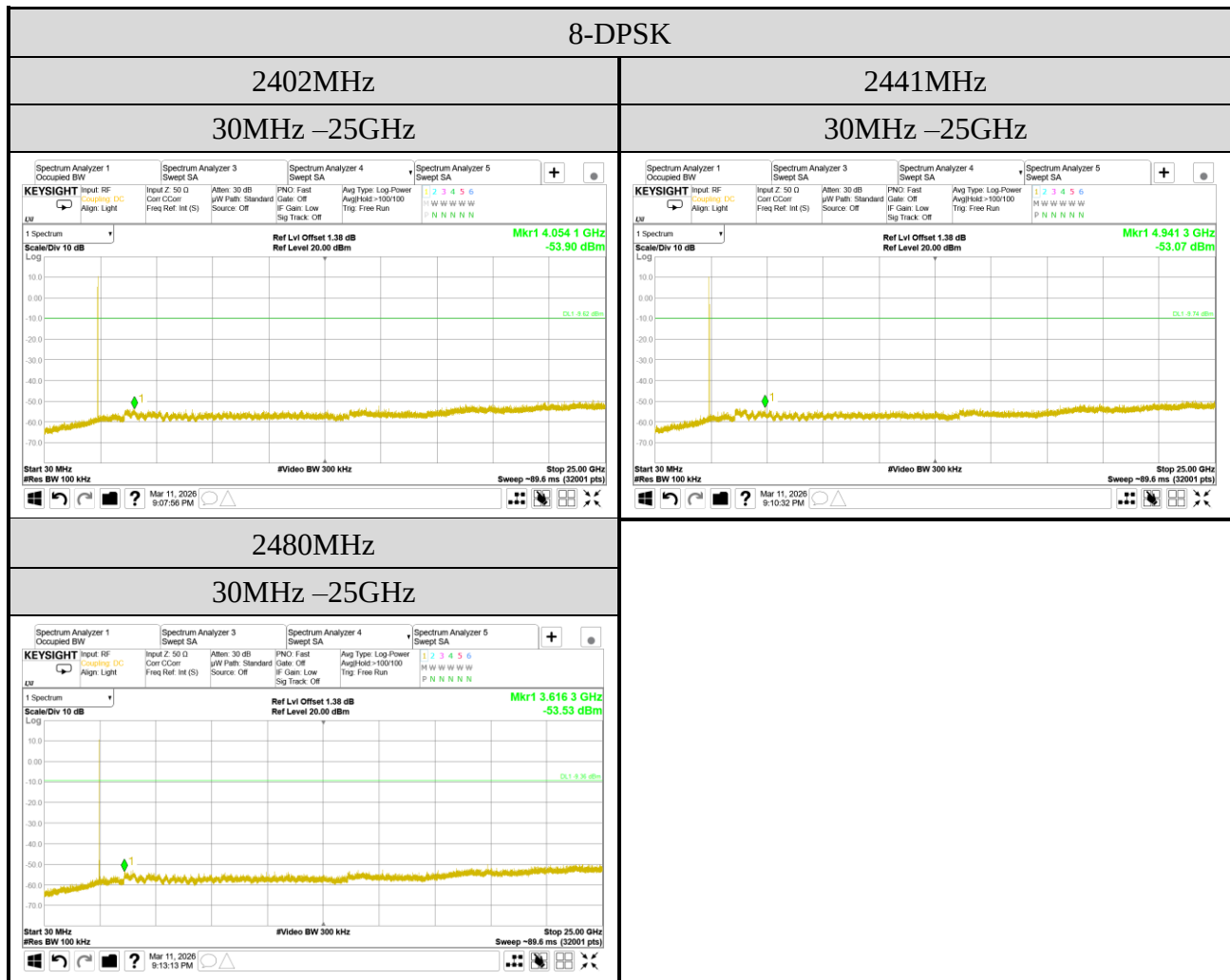
A.8.2 Spurious Emission



Note: All results have been included cable loss.

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Note: All results have been included cable loss.