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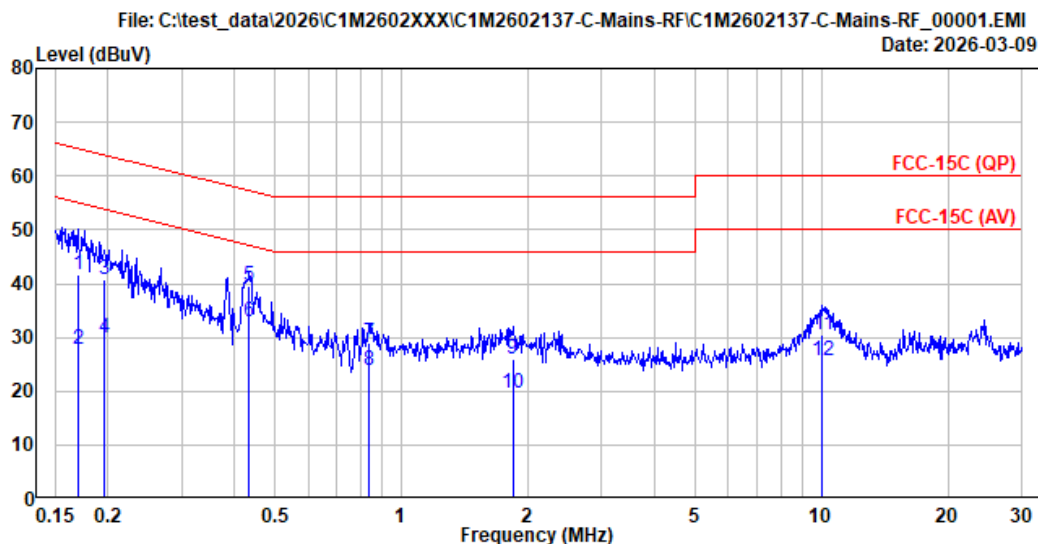
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A.1 CONDUCTED EMISSION

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	: YY7871E	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	0.170	10.34	0.03	9.85	21.33	41.55	64.97	23.42	QP
2	0.170	10.34	0.03	9.85	7.62	27.84	54.97	27.13	Average
3	0.195	10.33	0.03	9.85	20.63	40.84	63.81	22.97	QP
4	0.195	10.33	0.03	9.85	9.81	30.02	53.81	23.79	Average
5	0.434	10.32	0.03	9.85	19.26	39.46	57.18	17.72	QP
6	0.434	10.32	0.03	9.85	12.76	32.96	47.18	14.22	Average
7	0.837	10.33	0.04	9.85	8.67	28.89	56.00	27.11	QP
8	0.837	10.33	0.04	9.85	3.71	23.93	46.00	22.07	Average
9	1.840	10.34	0.06	9.86	5.67	25.93	56.00	30.07	QP
10	1.840	10.34	0.06	9.86	-0.51	19.75	46.00	26.25	Average
11	10.071	10.52	0.14	9.89	9.95	30.50	60.00	29.50	QP
12	10.071	10.52	0.14	9.89	5.14	25.69	50.00	24.31	Average

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

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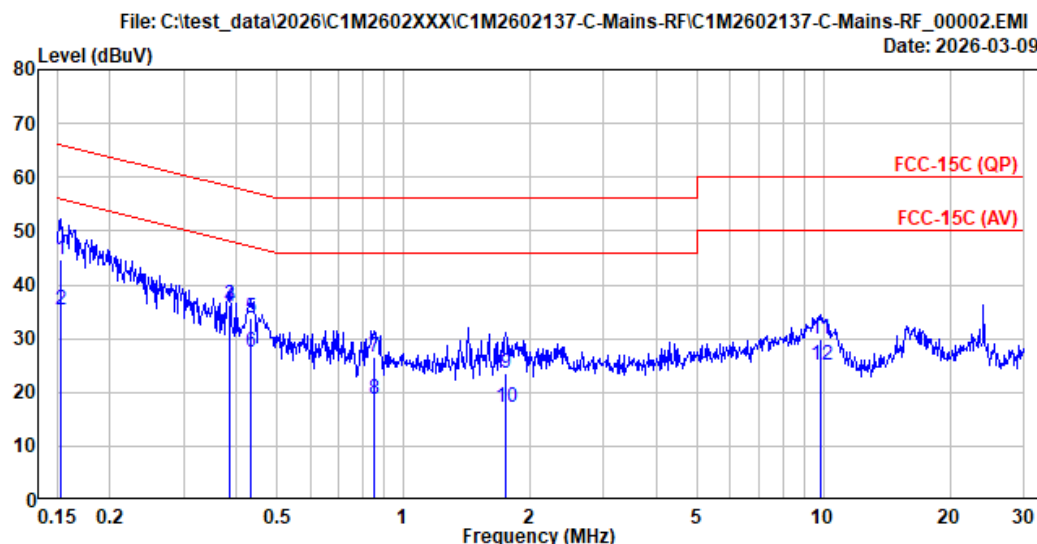
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Test Date	2026/03/09	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



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	: YY7871E	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	0.153	10.32	0.03	9.85	24.37	44.57	65.83	21.26	QP
2	0.153	10.32	0.03	9.85	15.11	35.31	55.83	20.52	Average
3	0.385	10.30	0.03	9.85	16.06	36.24	58.18	21.94	QP
4	0.385	10.30	0.03	9.85	15.64	35.82	48.18	12.36	Average
5	0.432	10.30	0.03	9.85	13.53	33.71	57.22	23.51	QP
6	0.432	10.30	0.03	9.85	7.38	27.56	47.22	19.66	Average
7	0.854	10.32	0.04	9.85	6.46	26.67	56.00	29.33	QP
8	0.854	10.32	0.04	9.85	-1.59	18.62	46.00	27.38	Average
9	1.751	10.34	0.06	9.86	3.22	23.48	56.00	32.52	QP
10	1.751	10.34	0.06	9.86	-3.15	17.11	46.00	28.89	Average
11	9.823	10.62	0.14	9.89	9.21	29.86	60.00	30.14	QP
12	9.823	10.62	0.14	9.89	4.51	25.16	50.00	24.84	Average

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

A.2 RADIATED EMISSION

Test Date	2026/03/03	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

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
36.000	21.26	1.50	0.00	11.50	34.26	40.00	5.74	QP
43.000	17.88	1.65	0.00	8.50	28.03	40.00	11.97	QP
144.000	17.48	3.12	0.00	6.10	26.70	43.50	16.80	QP
252.000	18.80	4.20	25.68	36.91	34.23	46.00	11.77	Peak
395.000	21.99	6.00	26.37	33.58	35.19	46.00	10.81	Peak
975.000	27.24	9.25	26.77	27.49	37.20	54.00	16.80	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
39.000	19.78	1.57	26.46	37.60	32.49	40.00	7.51	Peak
132.000	18.12	3.00	26.08	39.04	34.08	43.50	9.42	Peak
312.000	19.94	4.87	25.71	39.56	38.66	46.00	7.34	Peak
665.000	24.98	7.47	27.40	28.30	33.35	46.00	12.65	Peak
835.000	25.80	8.39	27.13	29.38	36.45	46.00	9.55	Peak
980.000	27.26	9.27	26.76	26.56	36.33	54.00	17.67	Peak

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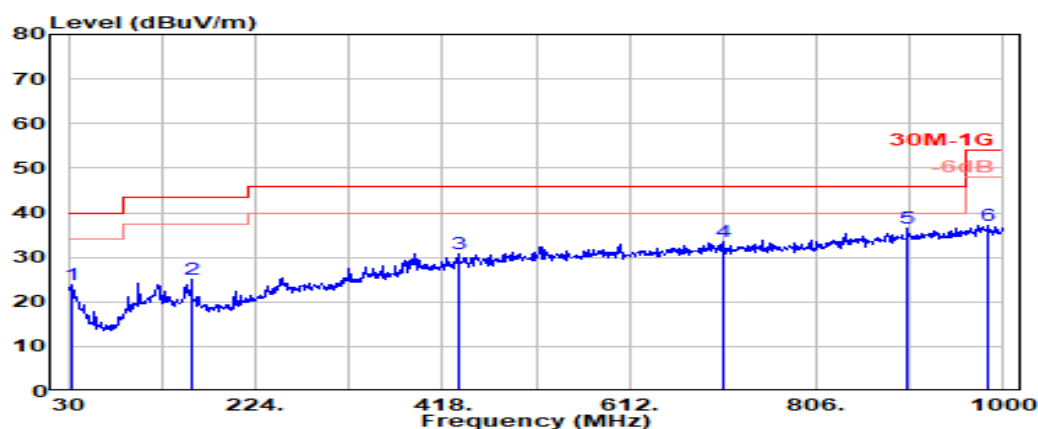
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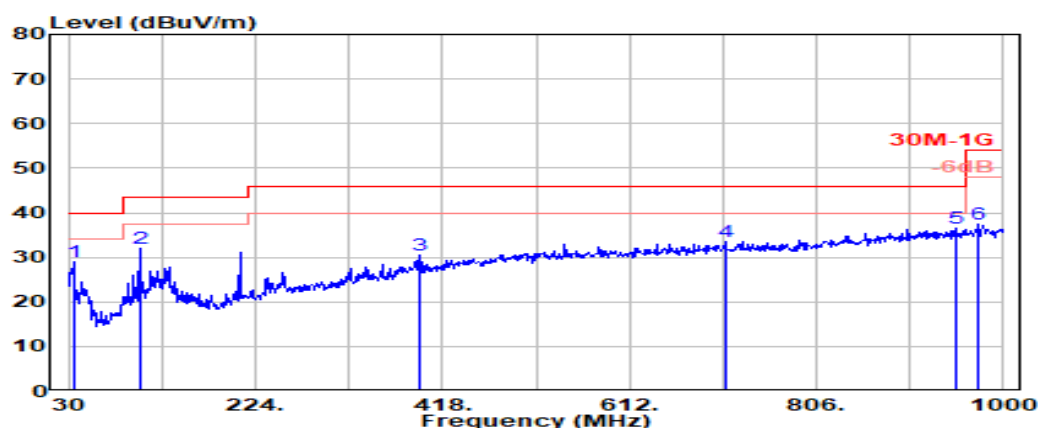
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
33.000	22.26	1.45	26.47	26.54	23.79	40.00	16.21	Peak
158.000	16.56	3.27	25.95	31.12	24.99	43.50	18.51	Peak
434.000	22.67	6.38	26.65	28.45	30.85	46.00	15.15	Peak
710.000	25.13	7.69	27.39	28.06	33.50	46.00	12.50	Peak
900.000	26.67	8.82	27.00	28.06	36.55	46.00	9.45	Peak
985.000	27.31	9.30	26.74	27.14	37.00	54.00	17.00	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
36.000	21.26	1.50	26.46	32.77	29.07	40.00	10.93	Peak
104.000	17.59	2.62	26.24	37.93	31.90	43.50	11.60	Peak
395.000	21.99	6.00	26.37	28.79	30.40	46.00	15.60	Peak
711.000	25.13	7.70	27.39	28.14	33.59	46.00	12.41	Peak
950.000	27.04	9.11	26.85	27.35	36.65	46.00	9.35	Peak
974.000	27.23	9.24	26.78	27.64	37.33	54.00	16.67	Peak

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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 (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.000	22.77	1.42	26.47	25.56	23.29	40.00	16.71	Peak
158.000	16.56	3.27	25.95	32.29	26.17	43.50	17.33	Peak
388.000	21.83	5.91	26.32	30.31	31.73	46.00	14.27	Peak
683.000	25.05	7.56	27.41	27.81	33.02	46.00	12.98	Peak
960.000	27.11	9.16	26.82	27.02	36.48	46.00	9.52	Peak
977.000	27.25	9.26	26.77	27.11	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
31.000	22.77	1.42	26.47	28.96	26.68	40.00	13.32	Peak
104.000	17.59	2.62	26.24	37.97	31.94	43.50	11.56	Peak
440.000	22.76	6.44	26.70	28.28	30.78	46.00	15.22	Peak
680.000	25.04	7.54	27.40	28.95	34.13	46.00	11.87	Peak
906.000	26.72	8.86	26.98	28.08	36.68	46.00	9.32	Peak
962.000	27.13	9.17	26.81	27.99	37.49	54.00	16.51	Peak

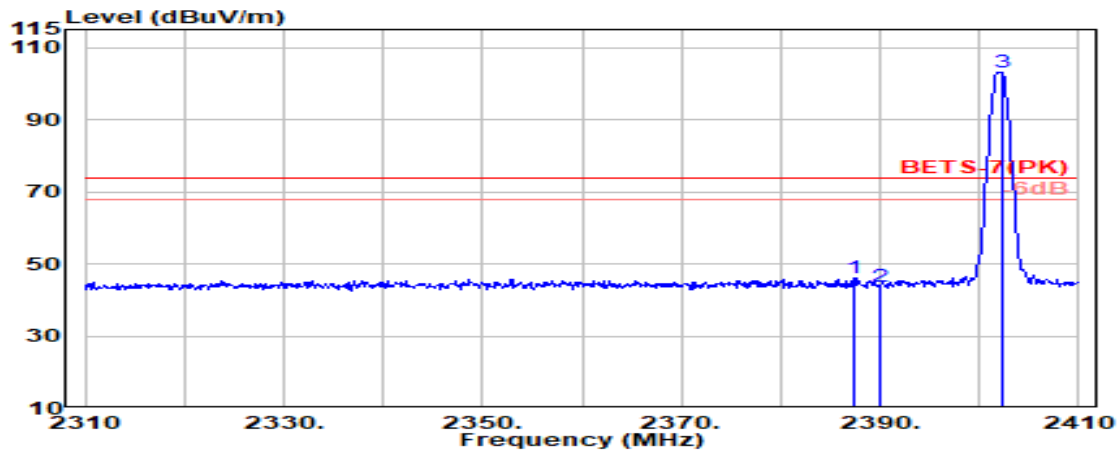
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

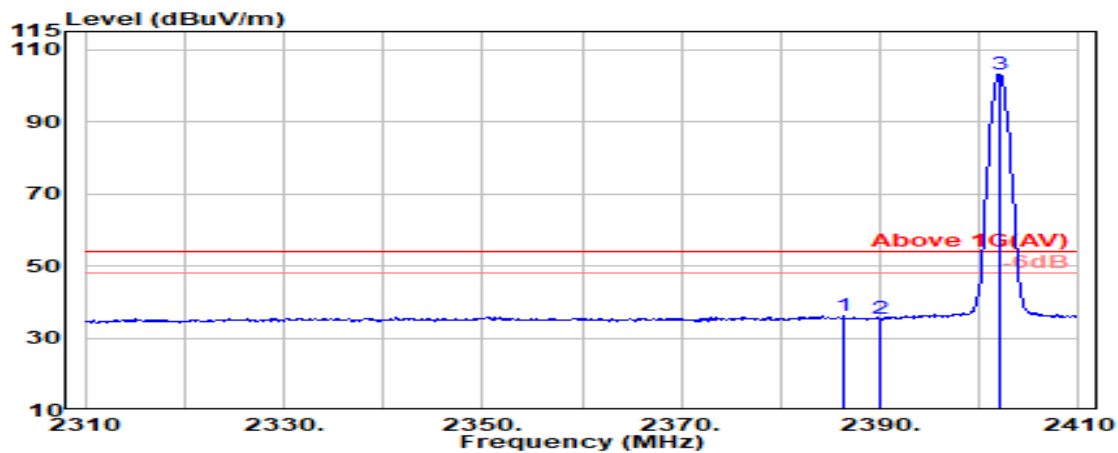
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2387.500	28.20	6.03	39.93	51.72	46.02	73.98	27.96	Peak
2390.000	28.20	6.03	39.93	49.46	43.77	73.98	30.21	Peak
@ 2402.200	28.20	6.05	39.93	108.92	103.25	---	---	Peak

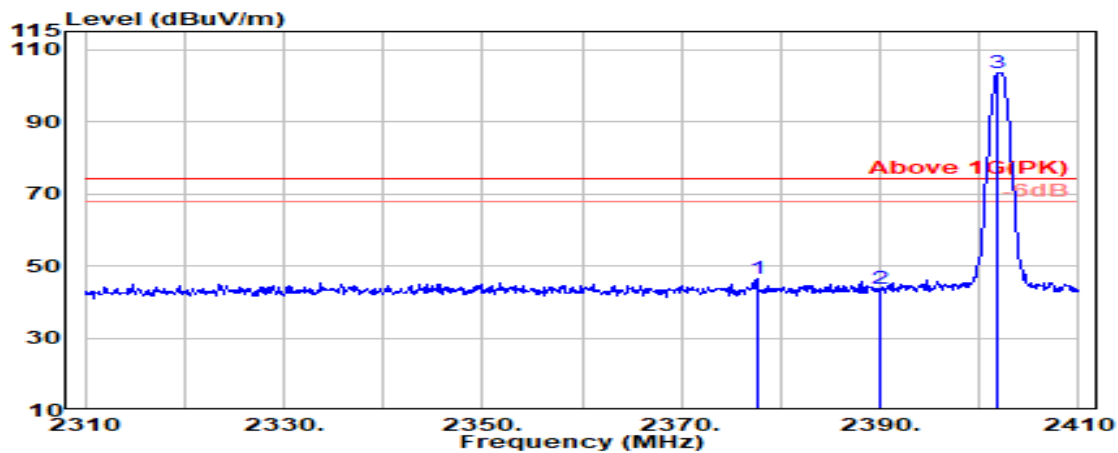


Antenna at Horizontal Polarization

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
2386.400	28.20	6.03	39.93	41.73	36.03	54.00	17.97	Average
2390.000	28.20	6.03	39.93	41.00	35.30	54.00	18.70	Average
@ 2402.000	28.20	6.05	39.93	108.70	103.03	---	---	Average

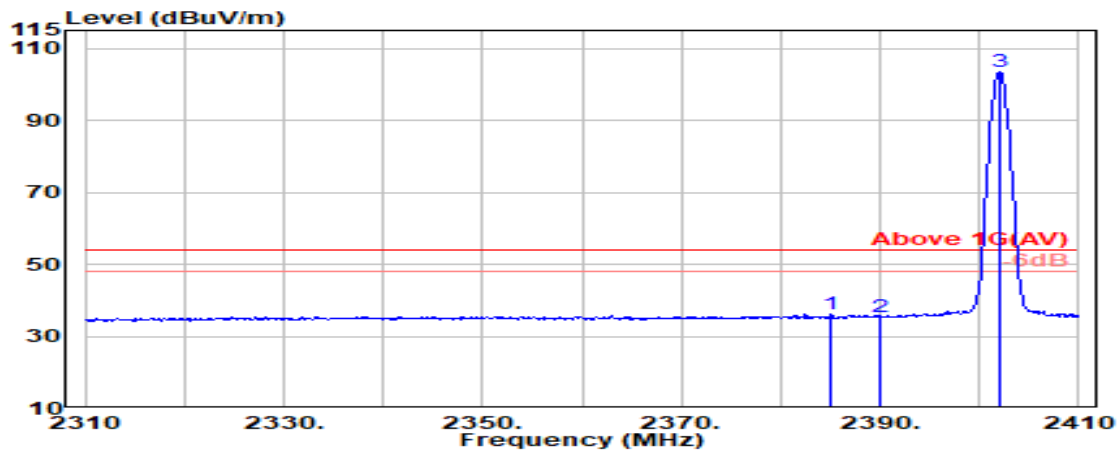
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
2377.600	28.20	6.02	39.93	52.23	46.52	74.00	27.48	Peak
2390.000	28.20	6.03	39.93	49.19	43.49	74.00	30.51	Peak
@ 2401.900	28.20	6.05	39.93	109.28	103.61	---	---	Peak



Antenna at Vertical Polarization

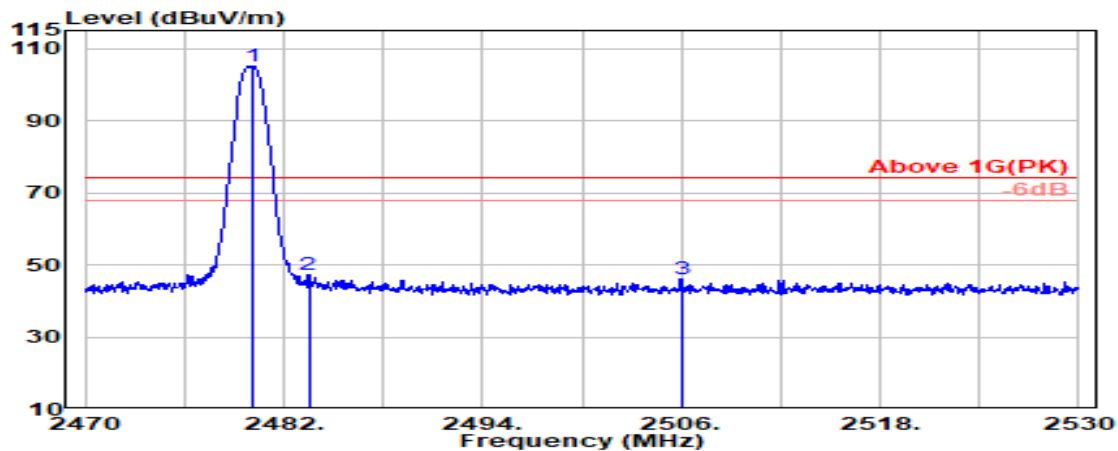
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2385.100	28.20	6.03	39.93	41.74	36.04	54.00	17.96	Average
2390.000	28.20	6.03	39.93	40.94	35.25	54.00	18.75	Average
@ 2402.100	28.20	6.05	39.93	109.05	103.38	---	---	Average

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

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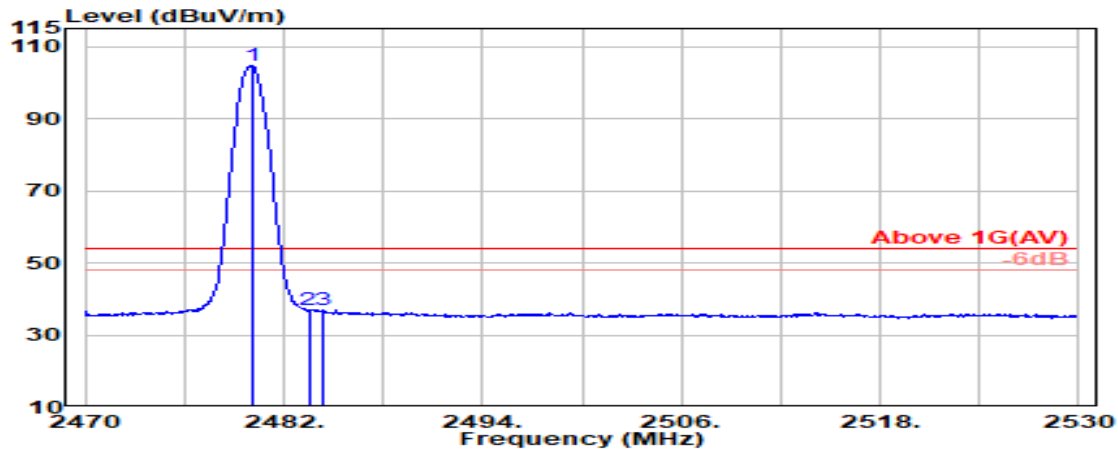
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

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	110.28	104.94	---	---	Peak
2483.500	28.43	6.17	39.92	52.56	47.24	74.00	26.76	Peak
2506.000	28.52	6.20	39.92	51.19	45.99	74.00	28.01	Peak



Antenna at Horizontal Polarization

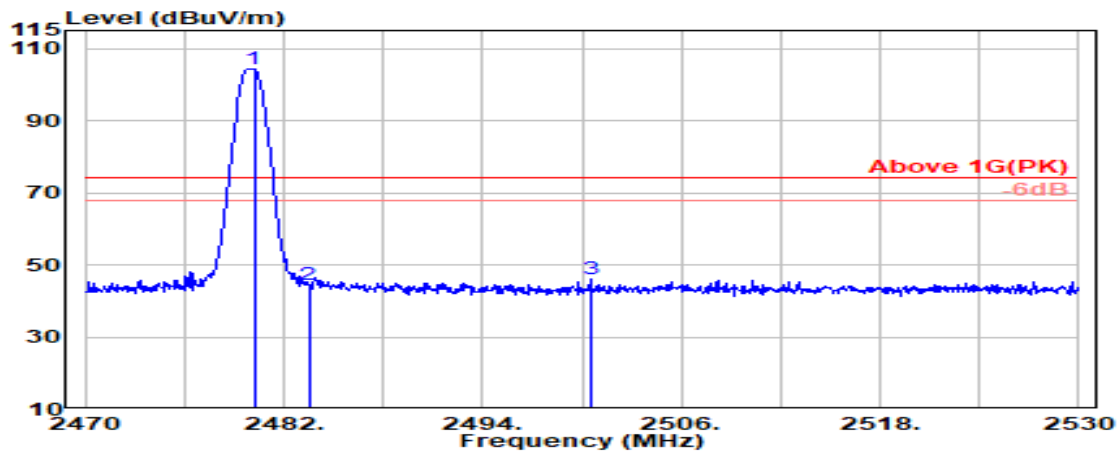
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@ 2480.050	28.42	6.16	39.92	110.04	104.70	---	---	Average
2483.500	28.43	6.17	39.92	42.36	37.04	54.00	16.96	Average
2484.300	28.44	6.17	39.92	42.31	36.99	54.00	17.01	Average

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

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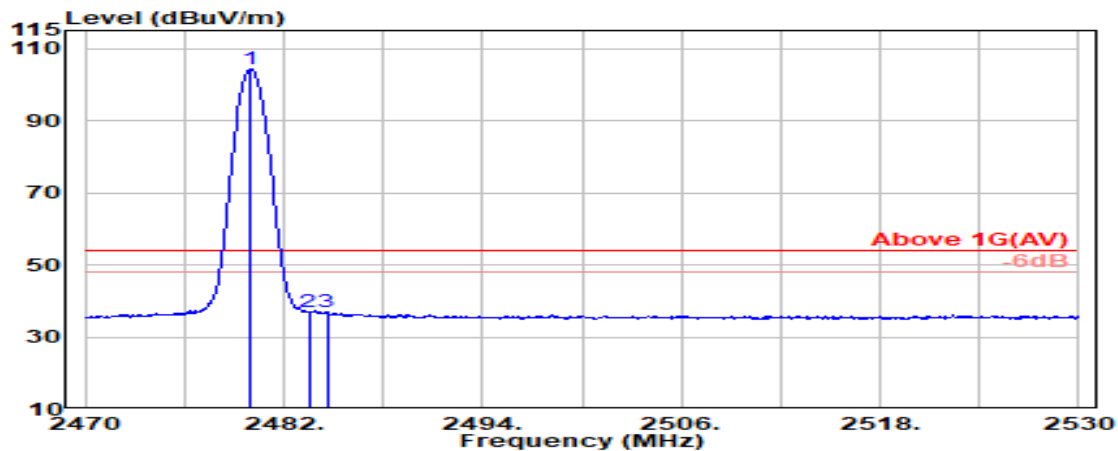
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

	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
@	2480.200	28.42	6.16	39.92	109.75	104.41	---	---	Peak
	2483.500	28.43	6.17	39.92	49.84	44.52	74.00	29.48	Peak
	2500.500	28.50	6.19	39.92	51.47	46.24	74.00	27.76	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
@	2480.000	28.42	6.16	39.92	109.52	104.18	---	---	Average
	2483.500	28.43	6.17	39.92	42.30	36.98	54.00	17.02	Average
	2484.600	28.44	6.17	39.92	42.43	37.11	54.00	16.89	Average

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

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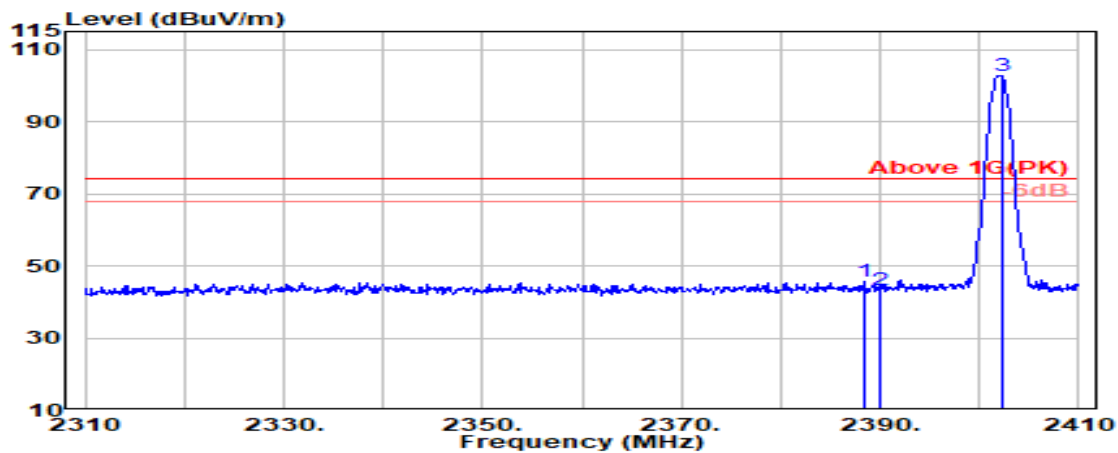
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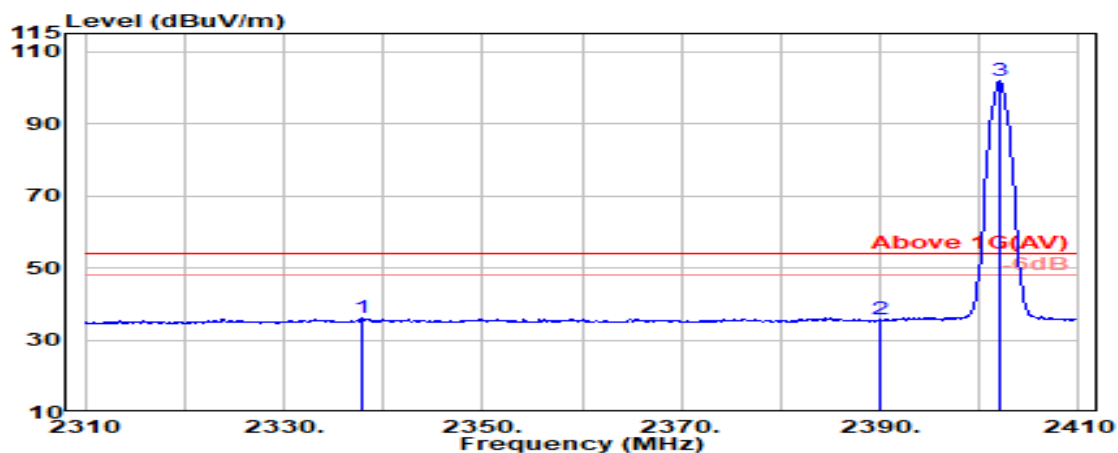
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

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
2388.400	28.20	6.03	39.93	51.21	45.51	74.00	28.49	Peak
2390.000	28.20	6.03	39.93	48.78	43.09	74.00	30.91	Peak
@ 2402.200	28.20	6.05	39.93	108.49	102.82	---	---	Peak



Antenna at Horizontal Polarization

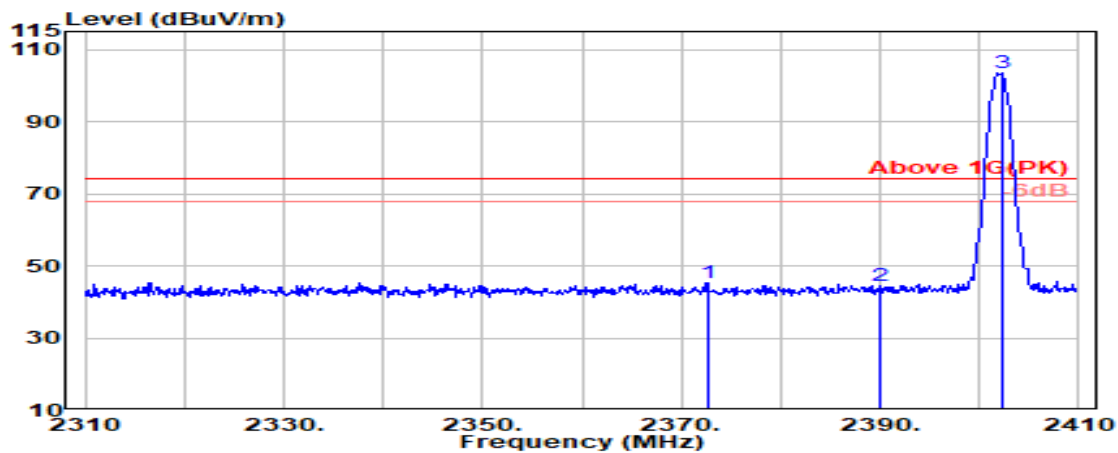
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2337.800	28.15	5.96	39.94	41.96	36.13	54.00	17.87	Average
2390.000	28.20	6.03	39.93	41.36	35.66	54.00	18.34	Average
@ 2402.000	28.20	6.05	39.93	107.52	101.85	---	---	Average

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

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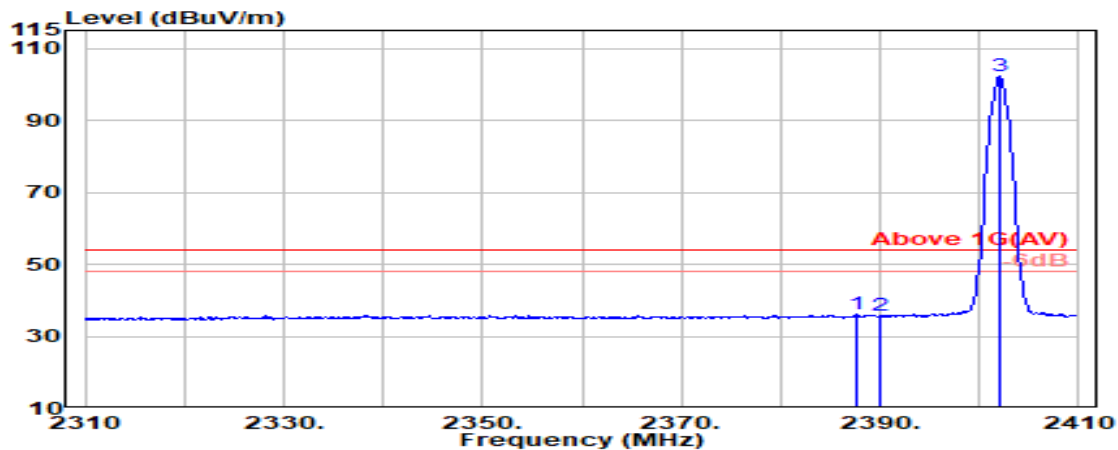
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

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
2372.600	28.20	6.01	39.93	51.09	45.37	74.00	28.63	Peak
2390.000	28.20	6.03	39.93	50.20	44.51	74.00	29.49	Peak
@ 2402.200	28.20	6.05	39.93	109.01	103.34	---	---	Peak



Antenna at Vertical Polarization

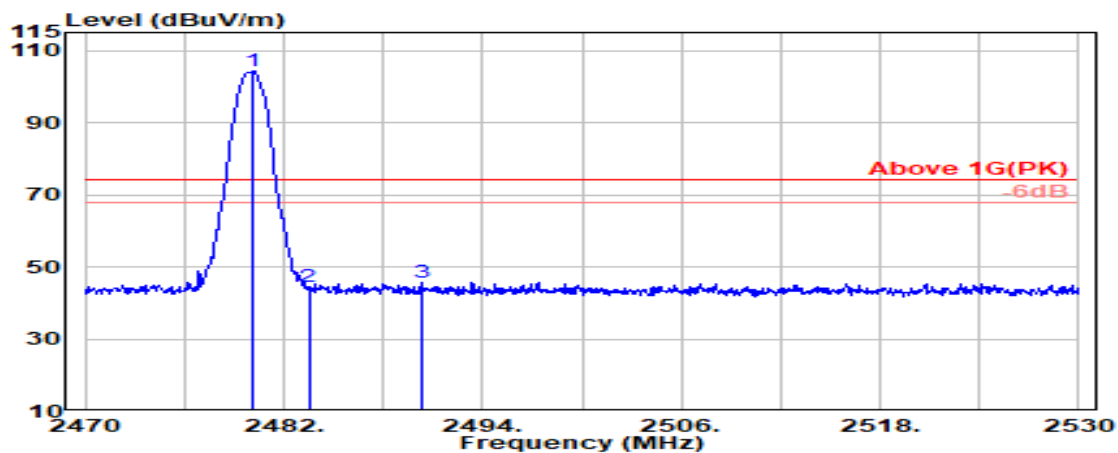
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2387.600	28.20	6.03	39.93	41.90	36.20	54.00	17.80	Average
2390.000	28.20	6.03	39.93	41.30	35.60	54.00	18.40	Average
@ 2402.000	28.20	6.05	39.93	108.10	102.43	---	---	Average

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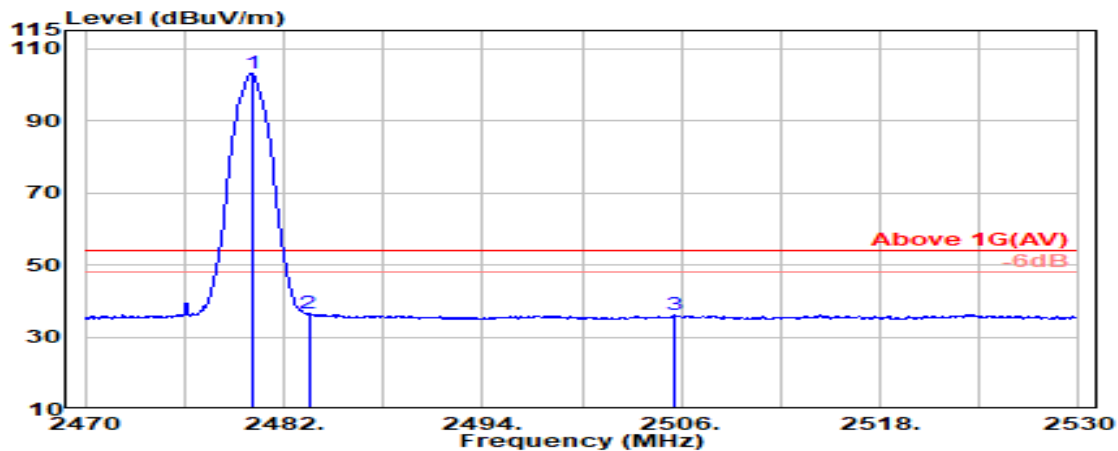
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.42	6.16	39.92	109.47	104.13	---	---	Peak
	2483.500	28.43	6.17	39.92	49.80	44.48	74.00	29.52	Peak
	2490.400	28.46	6.18	39.92	51.05	45.76	74.00	28.24	Peak



Antenna at Horizontal Polarization

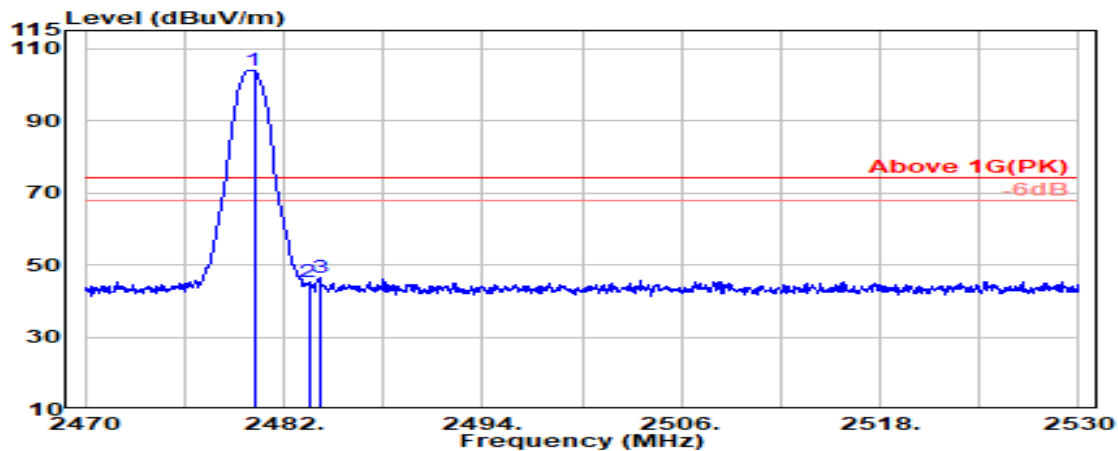
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.050	28.42	6.16	39.92	108.42	103.08	---	---	Average
	2483.500	28.43	6.17	39.92	41.71	36.39	54.00	17.61	Average
	2505.600	28.52	6.20	39.92	41.34	36.14	54.00	17.86	Average

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

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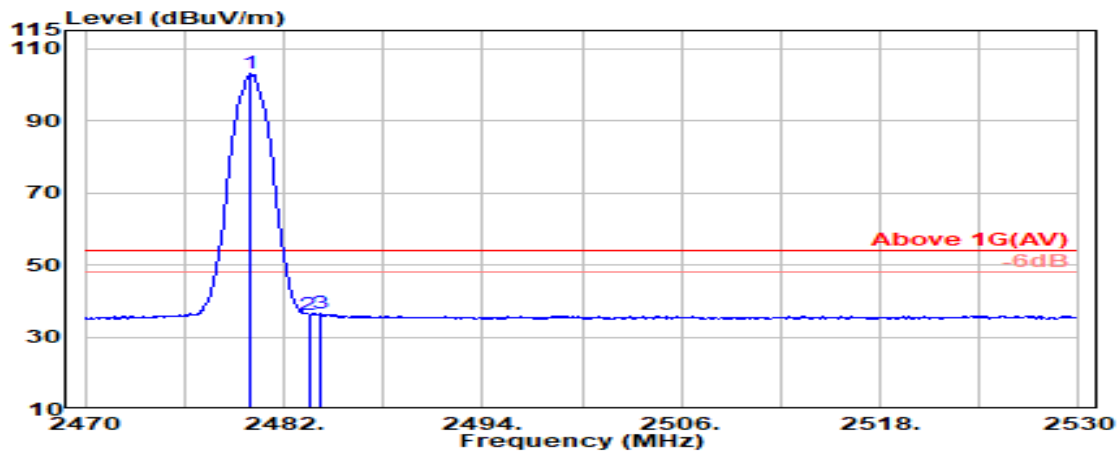
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.200	28.42	6.16	39.92	109.43	104.09	---	---	Peak
	2483.500	28.43	6.17	39.92	50.54	45.22	74.00	28.78	Peak
	2484.150	28.44	6.17	39.92	51.61	46.30	74.00	27.70	Peak



Antenna at Vertical Polarization

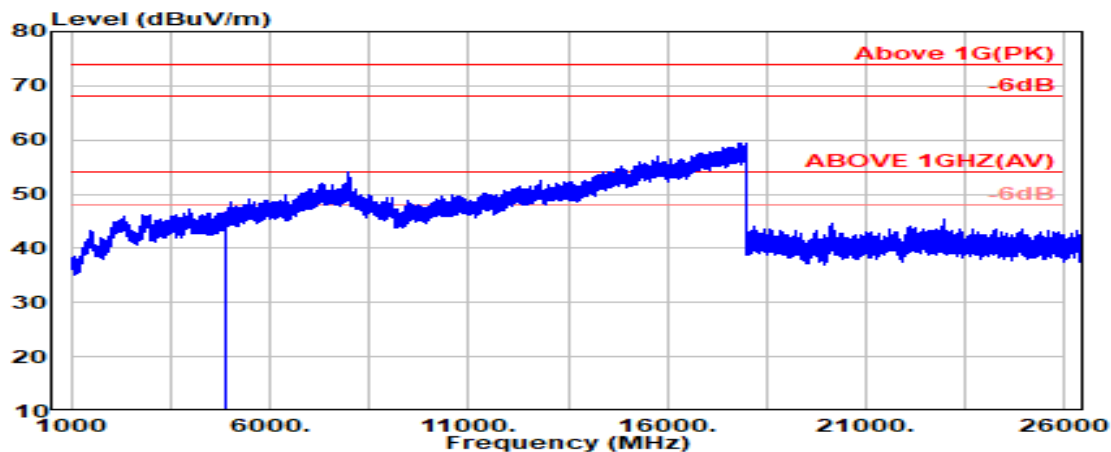
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.000	28.42	6.16	39.92	108.41	103.08	---	---	Average
	2483.500	28.43	6.17	39.92	41.46	36.14	54.00	17.86	Average
	2484.250	28.44	6.17	39.92	41.73	36.42	54.00	17.58	Average

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

A.2.2 Emissions outside the frequency band

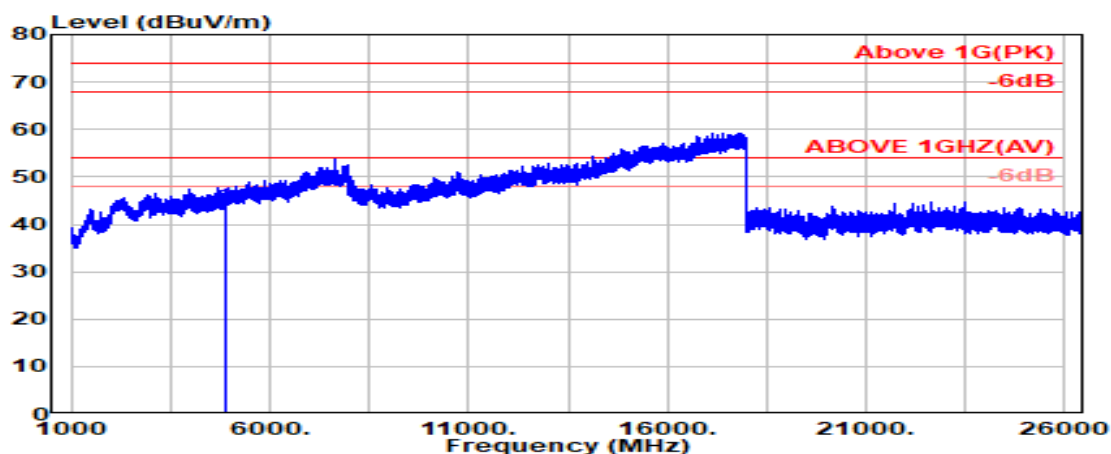
The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	Normal 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 (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	42.44	44.48	54.00	9.52	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
4880.000	33.02	8.37	39.35	43.38	45.42	54.00	8.58	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	41.84	43.50	54.00	10.50	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	41.92	43.57	54.00	10.43	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	8.38	39.35	40.87	42.93	54.00	11.07	Peak

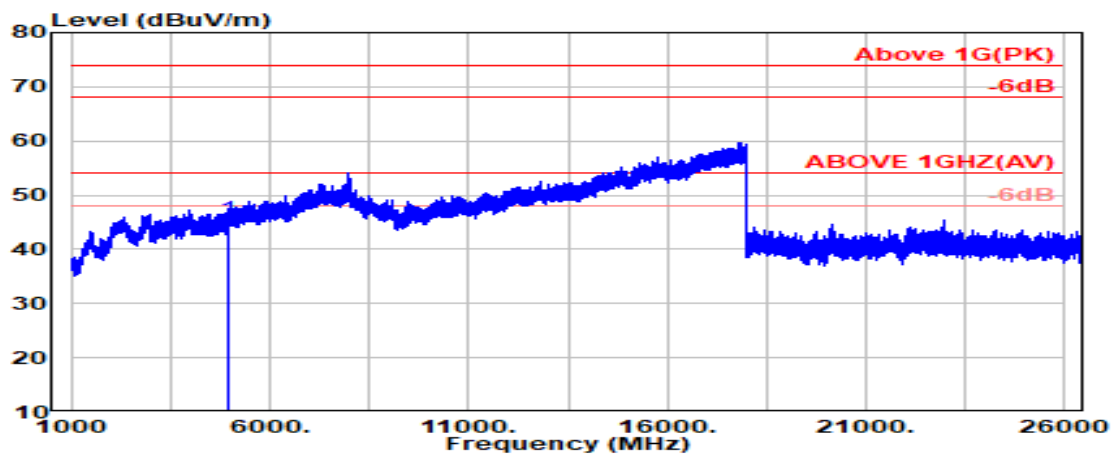
Antenna at Vertical Polarization

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	40.97	43.02	54.00	10.98	Peak

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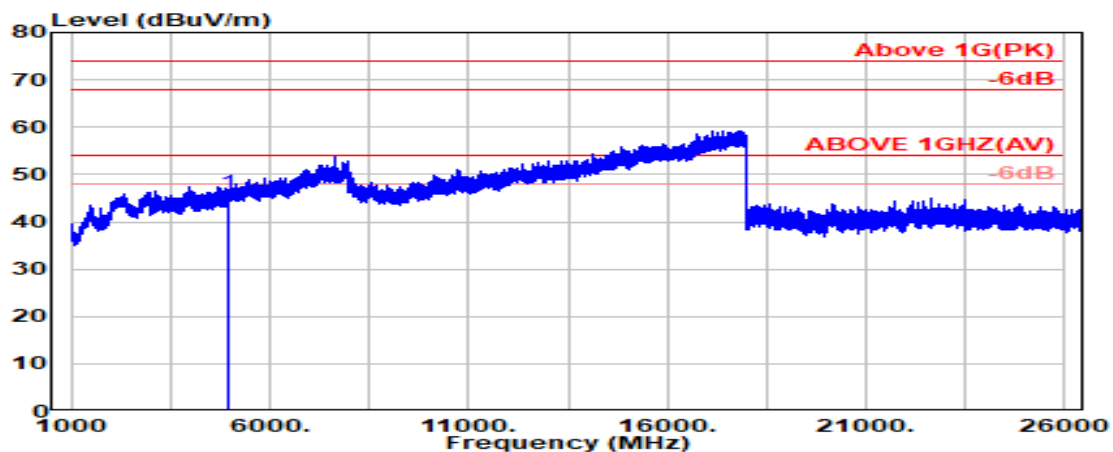
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	42.78	45.11	54.00	8.89	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
4960.000	33.22	8.42	39.32	43.11	45.43	54.00	8.57	Peak

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	41.66	43.31	54.00	10.69	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	41.84	43.49	54.00	10.51	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	40.92	42.97	54.00	11.03	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	40.60	42.65	54.00	11.35	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	8.42	39.32	42.10	44.43	54.00	9.57	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	42.58	44.91	54.00	9.09	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	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.3.1 20dB Bandwidth Result

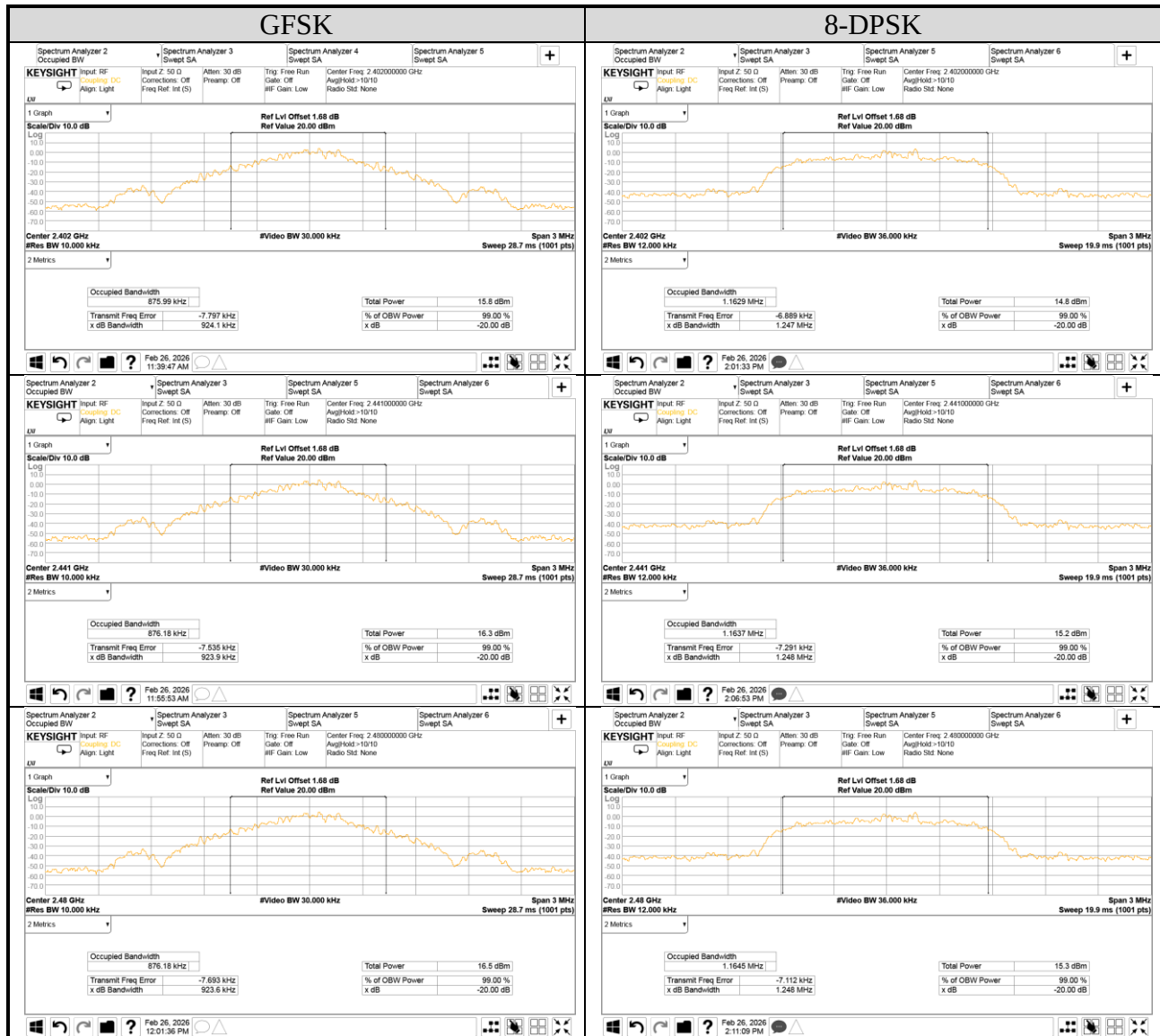
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9241	0.87599	0.616
	2441	0.9239	0.87618	0.616
	2480	0.9236	0.87618	0.616
8-DPSK	2402	1.247	1.1629	0.831
	2441	1.248	1.1637	0.832
	2480	1.248	1.1645	0.832

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

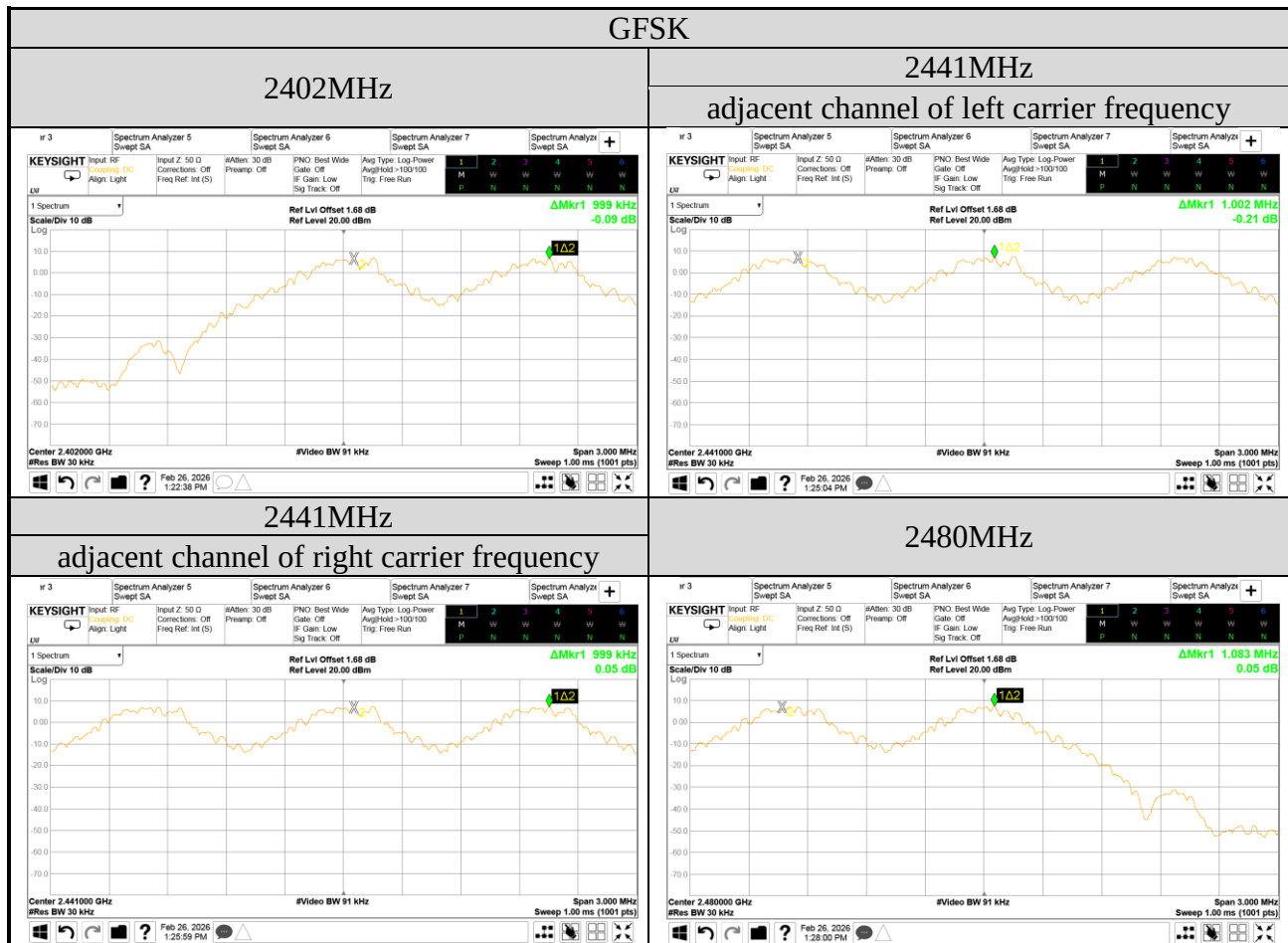


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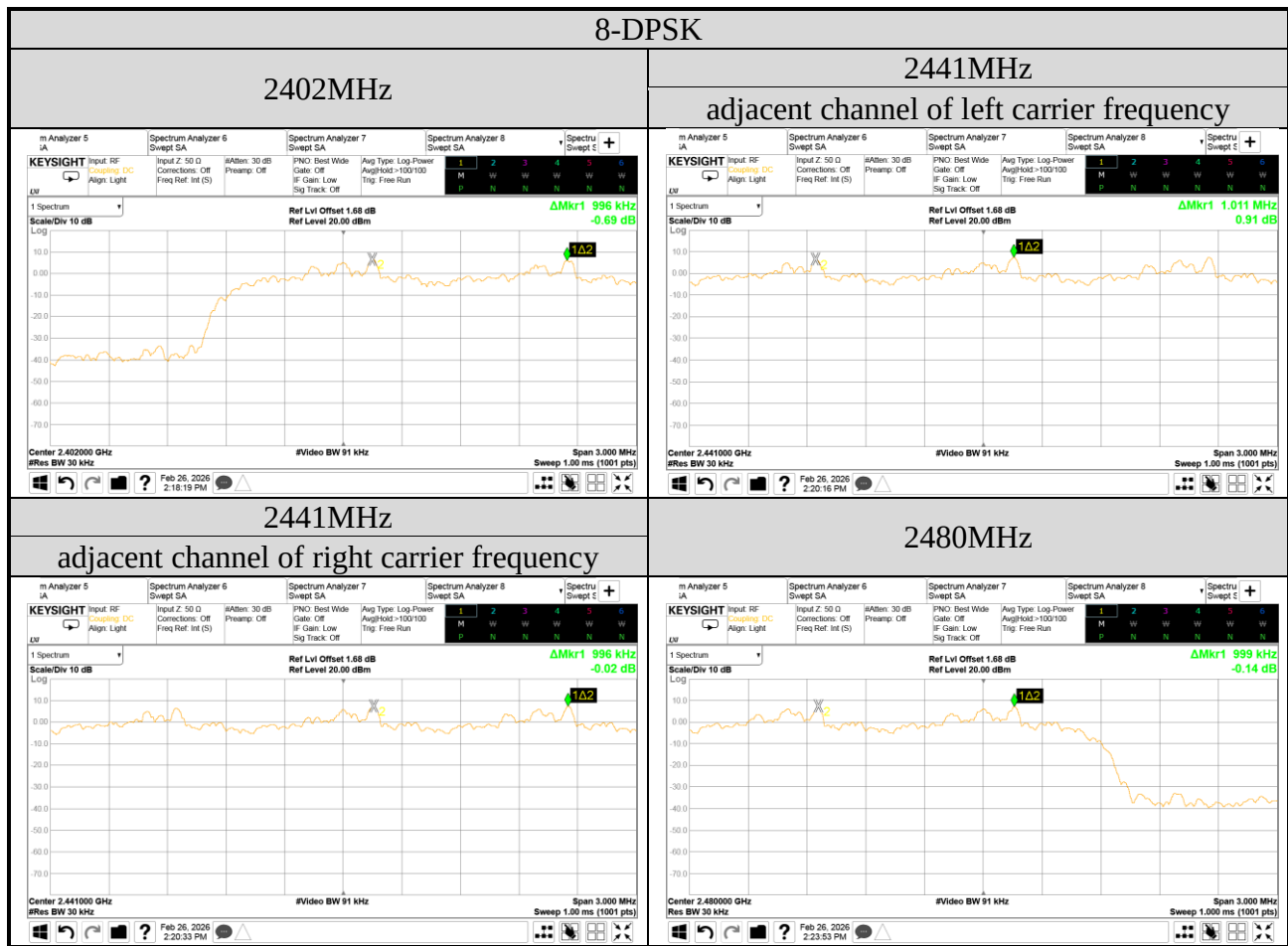
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		



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A.5 TIME OF OCCUPANCY

Test Date	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	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	2.875	363.400	<400

Observation Period:

79 chann 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* 2.875 ms = 363.400 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	2.875	363.400	<400

Observation Period:

79 channel 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* 2.875 ms = 363.400 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	2.875	363.400	<400

Observation Period:

79 channel 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)

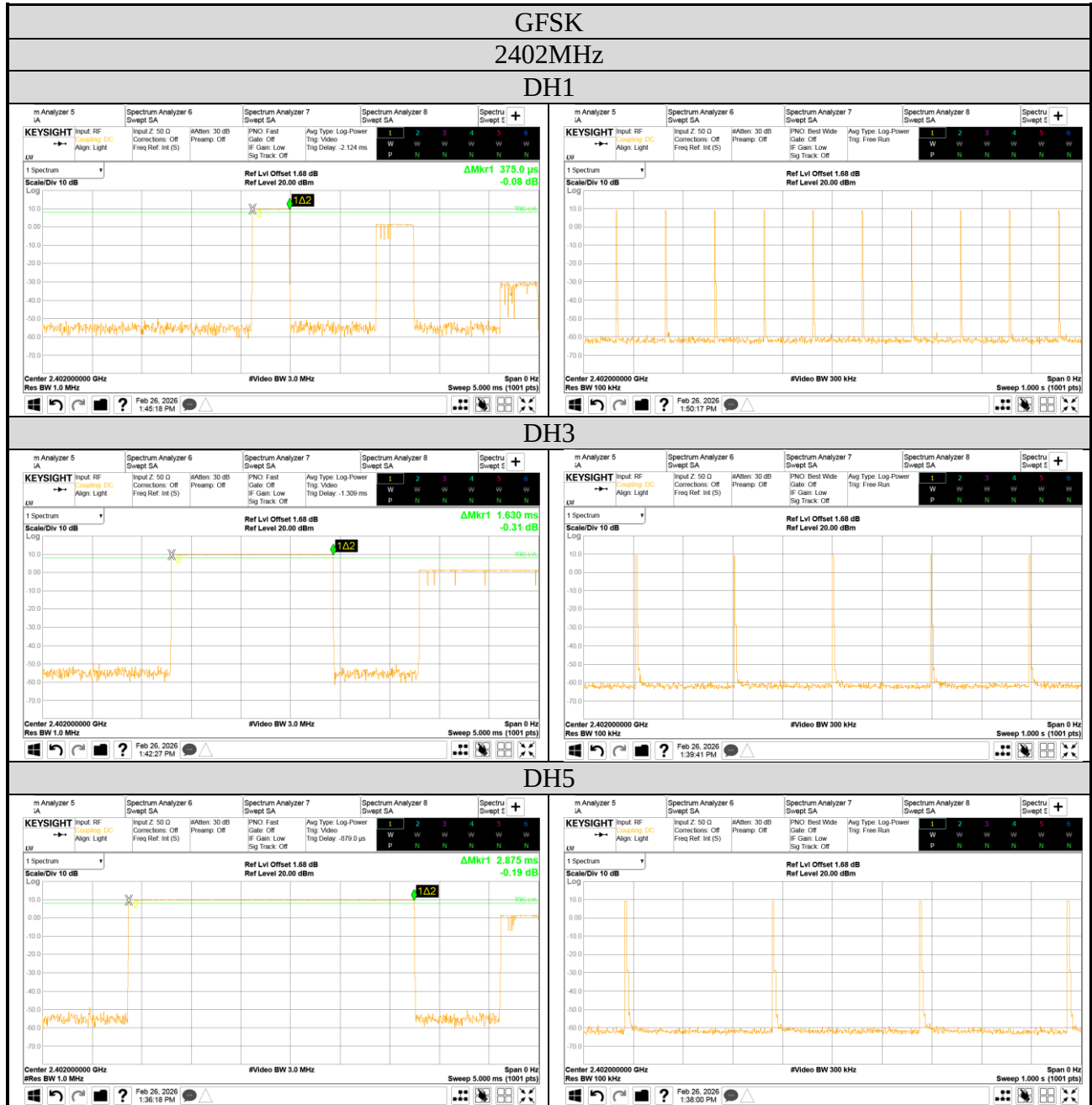
DH5 Mode

For each second of 4 transmission appearance, the longest time of occupancy is
4 transmission * 31.6 seconds * 2.875 ms = 363.400 ms (<400ms)

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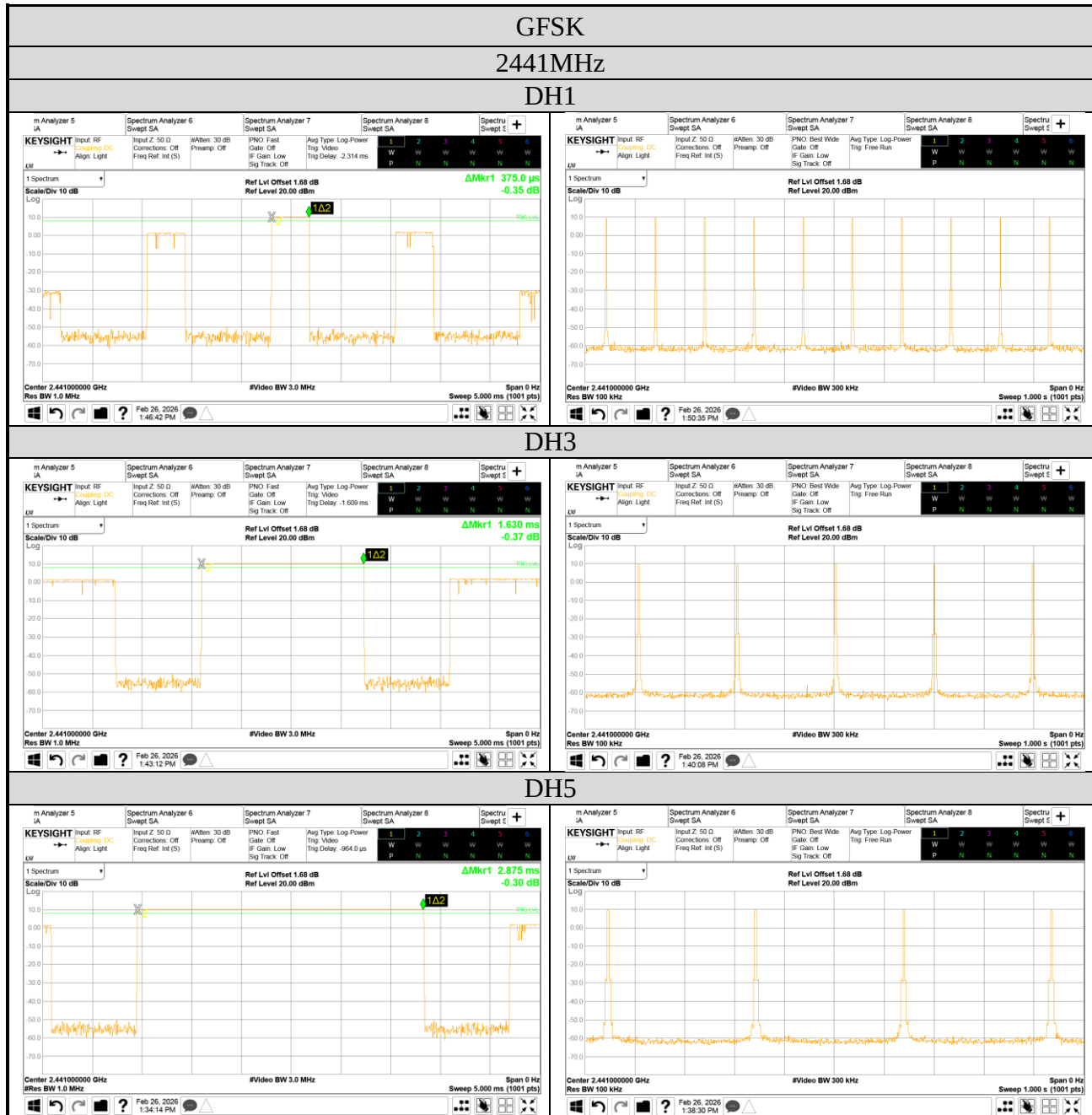
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● Measurement Plots



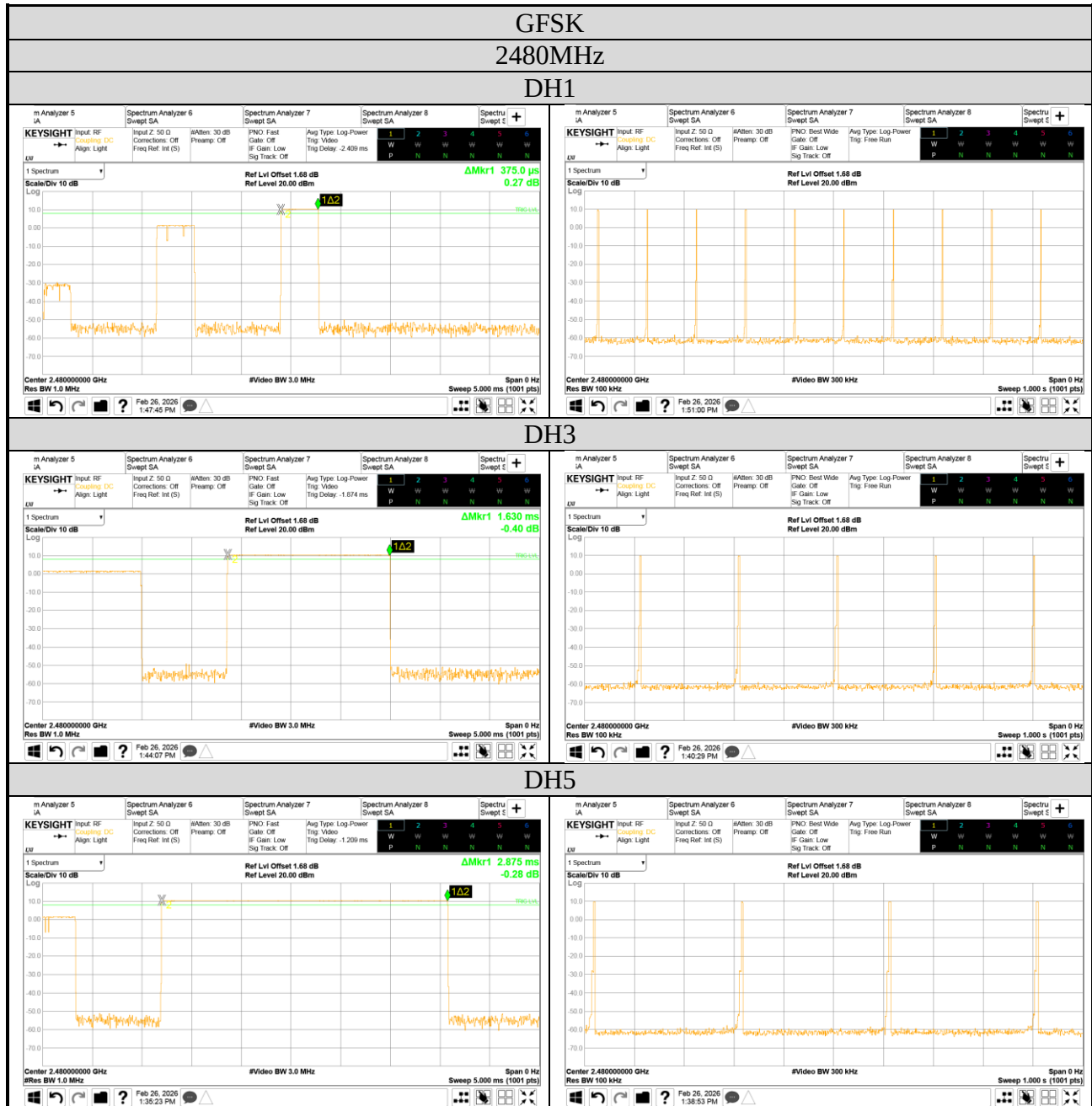
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Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2402	3DH1	10	0.380	120.080	<400
		3DH3	5	1.630	257.540	<400
		3DH5	4	2.880	364.032	<400

Observation Period:

79 channel 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 channel 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 channel 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)

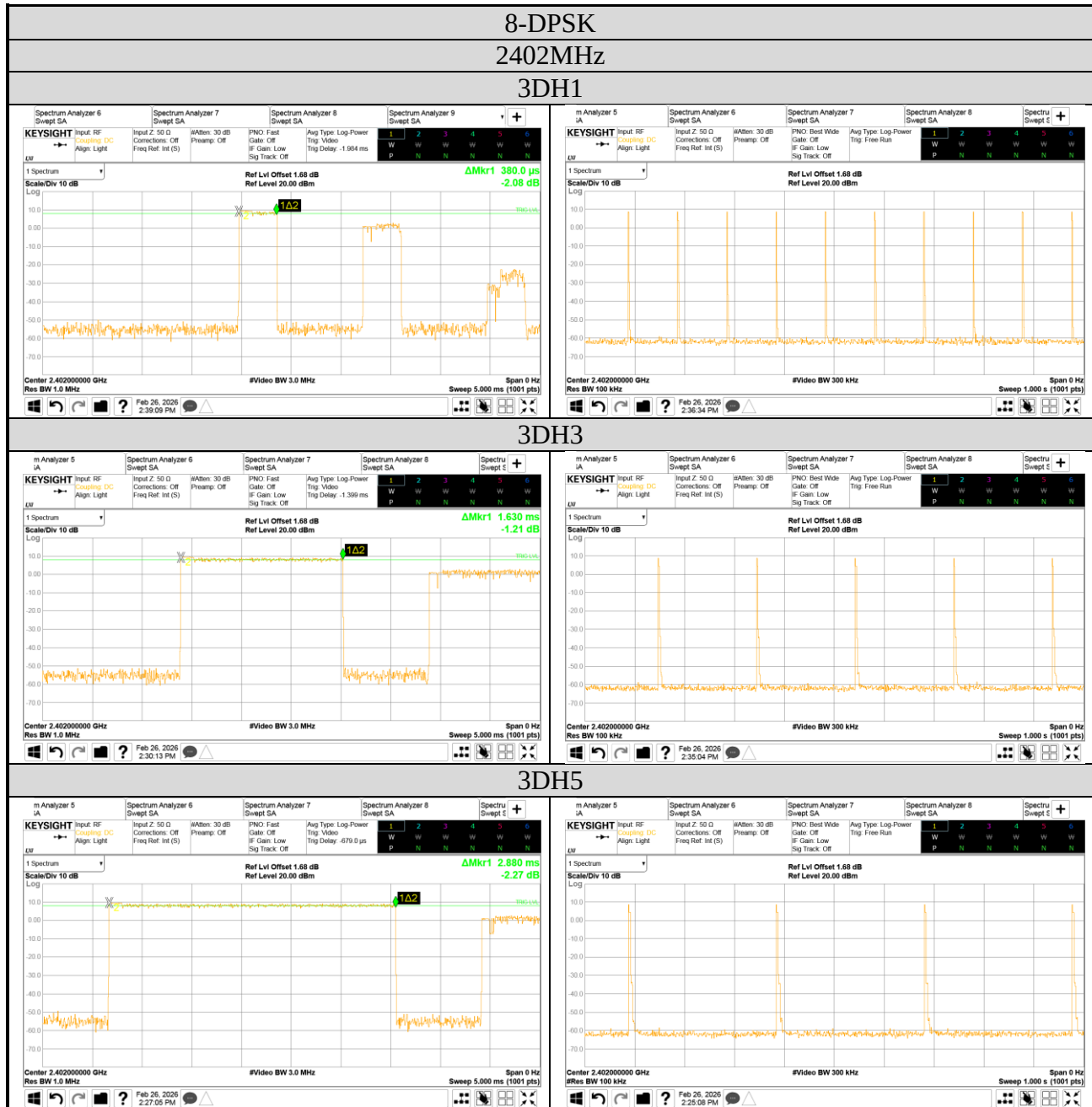
3DH5 Mode

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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● Measurement Plots



8-DPSK 2441MHz 3DH1



3DH3



3DH5



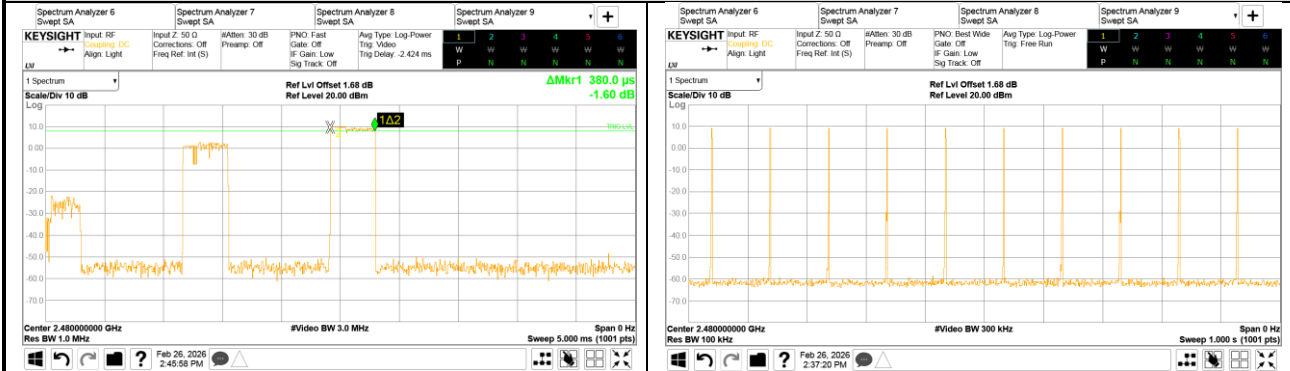
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8-DPSK

2480MHz

3DH1



3DH3

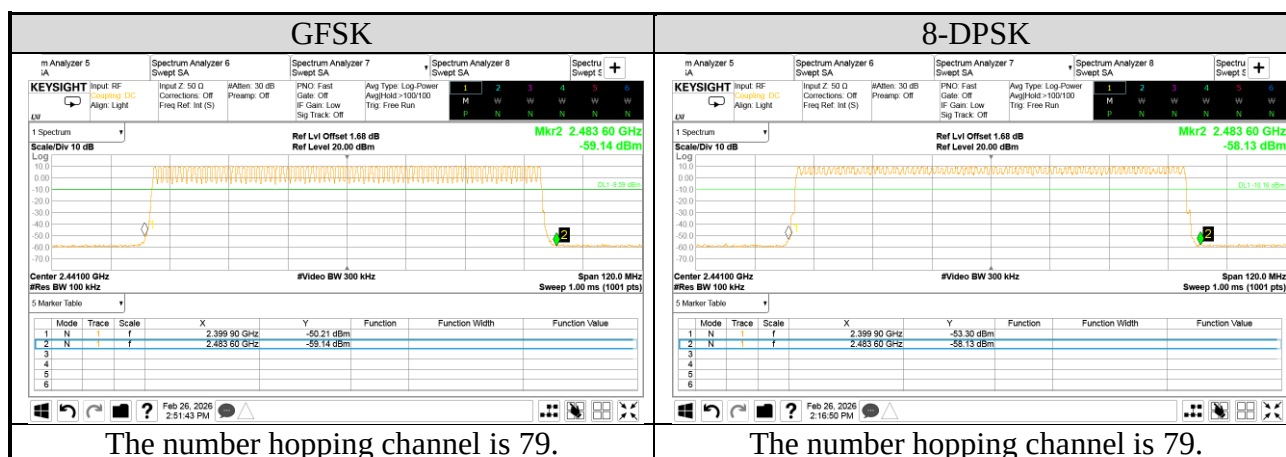


3DH5



A.6 NUMBER OF HOPPING CHANNELS

Test Date	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		



A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	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	10.75	0.012	2.73	13.48	0.022	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	10.88	0.012	2.73	13.61	0.023	
	2480	10.92	0.012	2.73	13.65	0.023	
8-DPSK	2402	10.58	0.011	2.73	13.31	0.021	<21dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2441	10.67	0.012	2.73	13.40	0.022	
	2480	10.70	0.012	2.73	13.43	0.022	

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	9.47	1.146	10.62	0.012
	2441	9.62	1.146	10.77	0.012
	2480	9.66	1.146	10.81	0.012
8-DPSK	2402	6.87	1.146	8.02	0.006
	2441	6.98	1.146	8.13	0.007
	2480	7.00	1.146	8.15	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%.

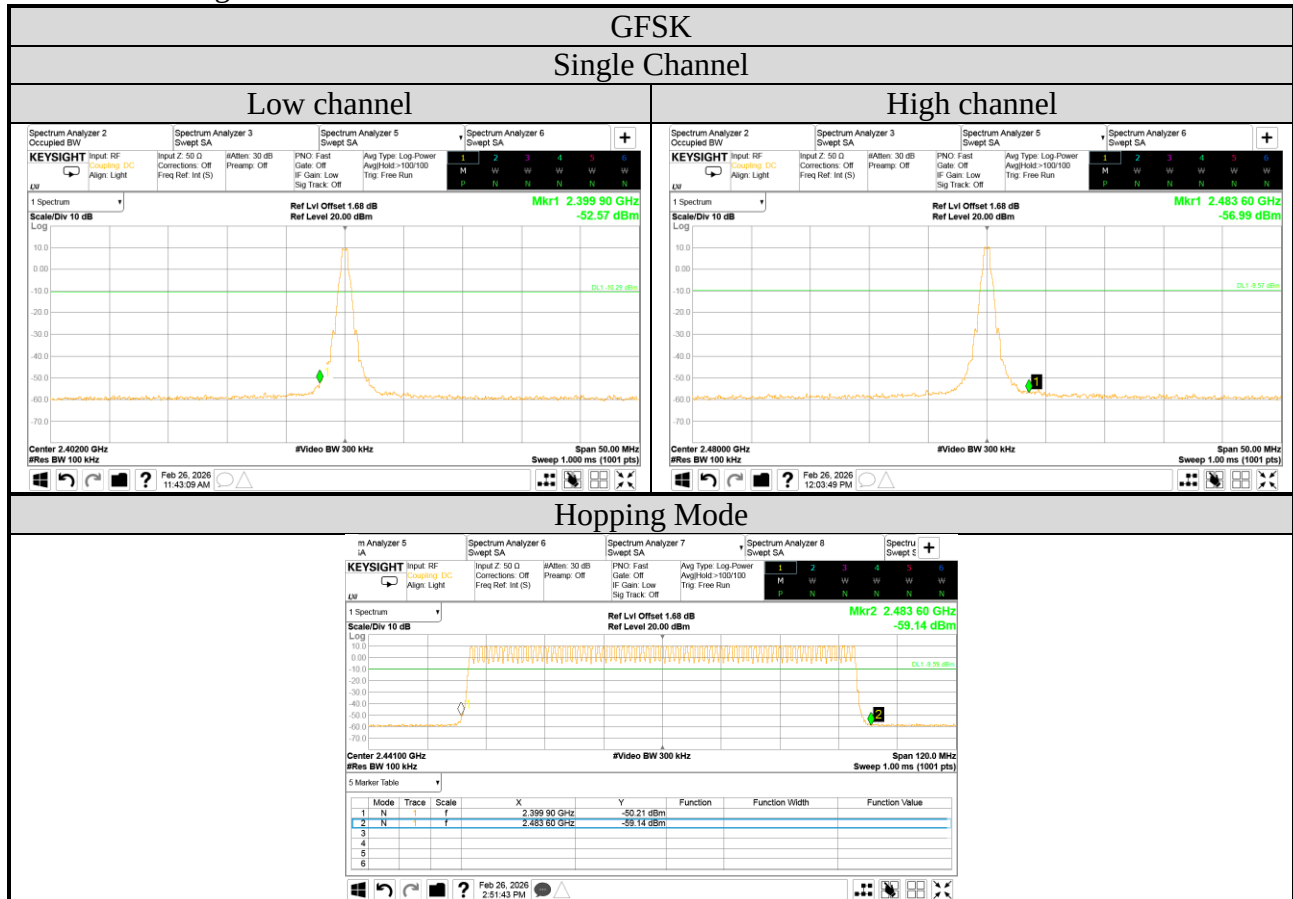
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A.8 EMISSION LIMITATIONS MEASUREMENT

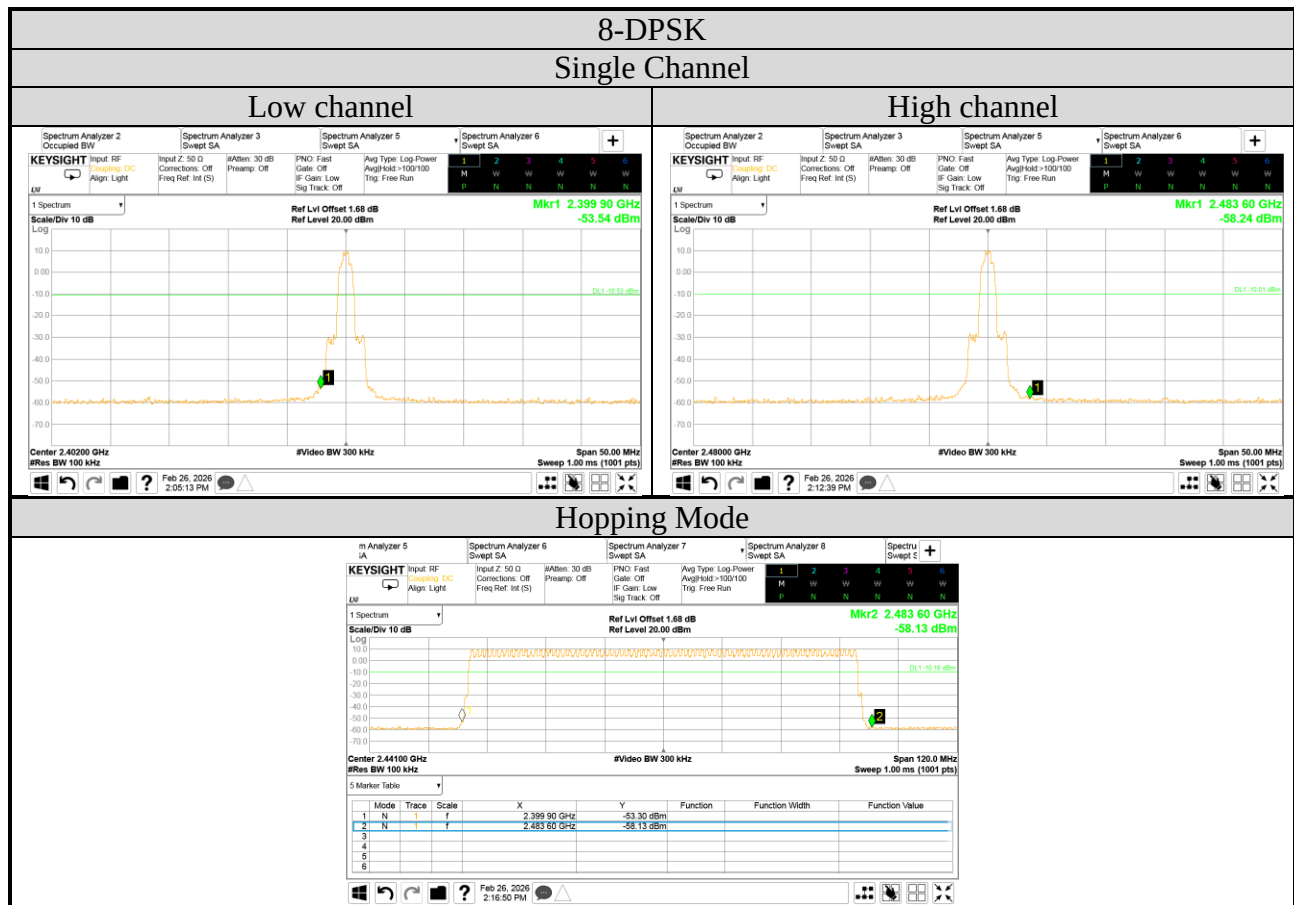
Test Date	2026/02/26	Temp./Hum.	22°C/66%
Cable Loss	1.68dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.8.1 Band Edge



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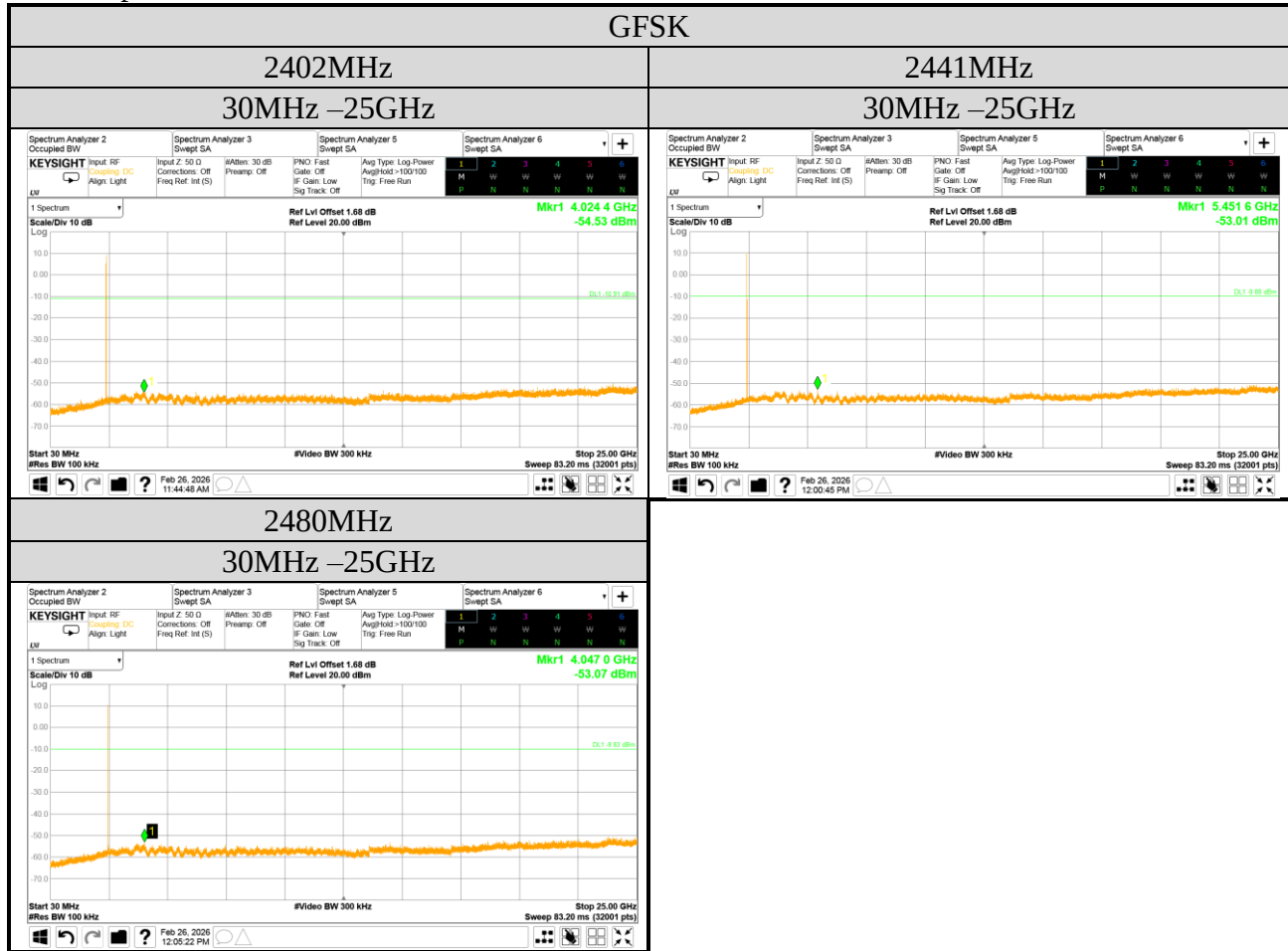
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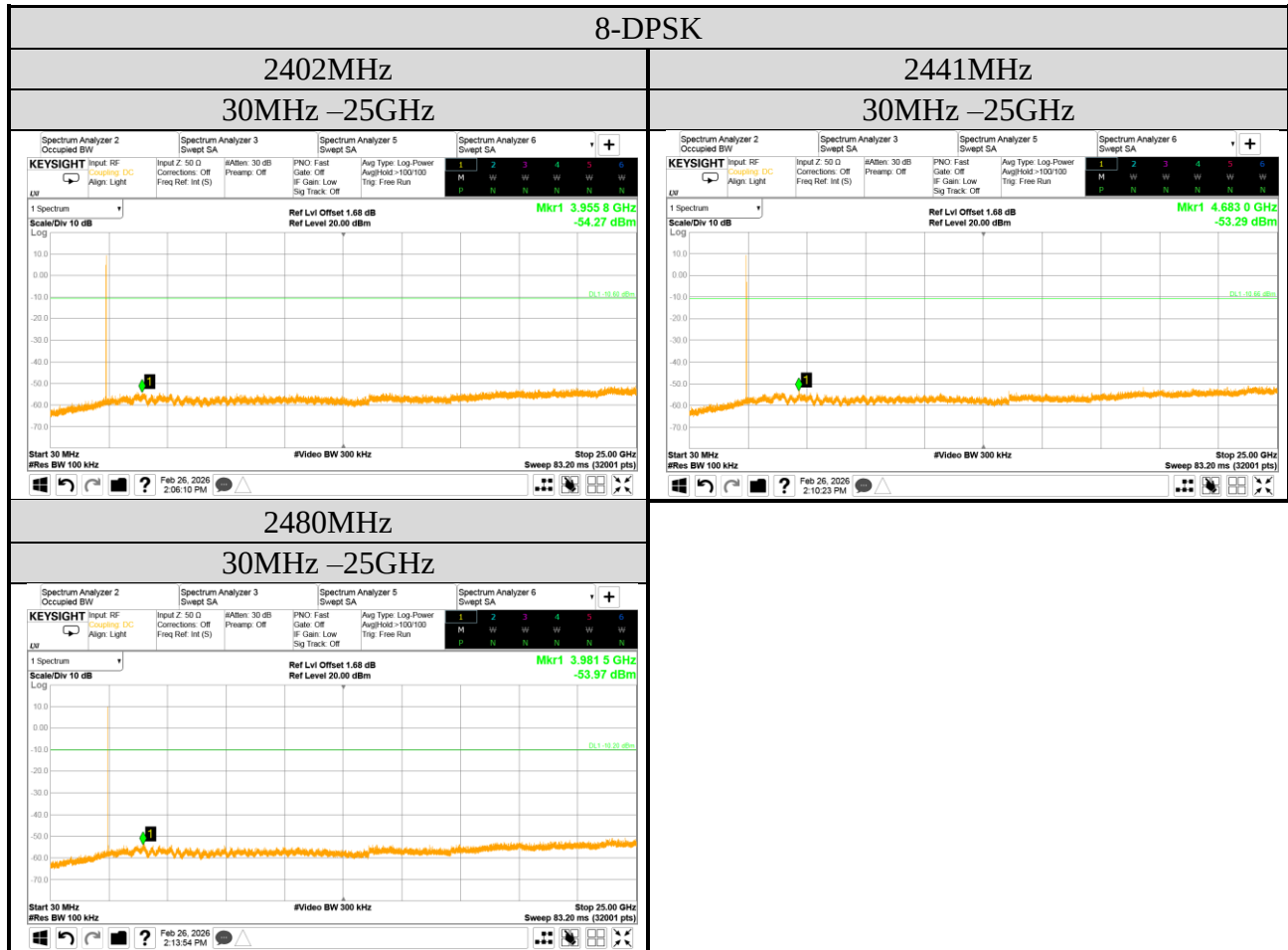
A.8.2 Spurious Emission



Note: All results have been included cable loss.

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Note: All results have been included cable loss.