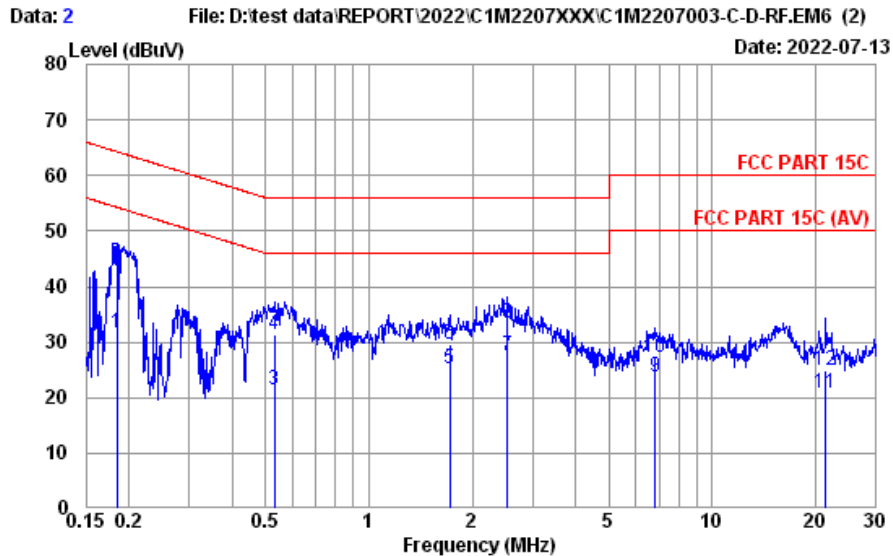

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A.1 CONDUCTED EMISSION

Test Date	2022/07/13	Temp./Hum.	26°C/47%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung

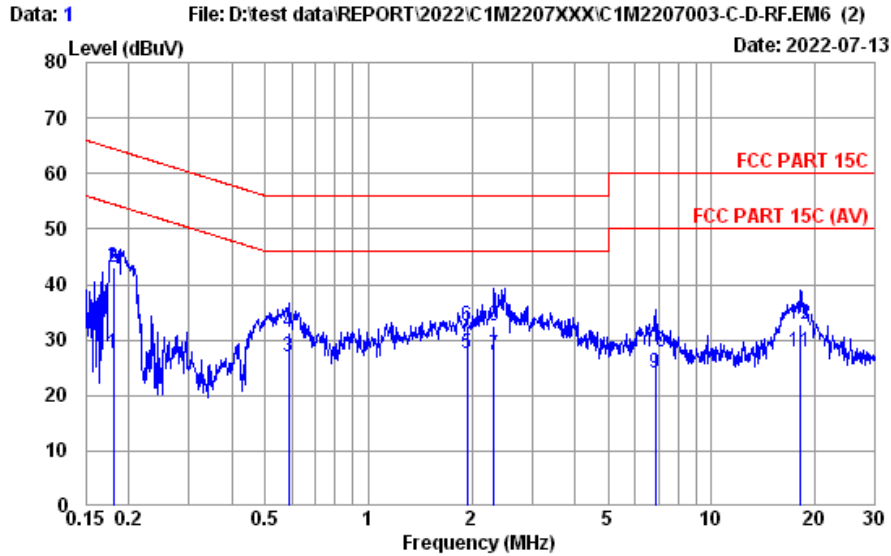


Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR3(774)		
Instrument 2	: EHV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC PART 15C	Phase	: NEUTRAL
Environment	: 26°C / 47%	Engineer	: Roy Hung
EUT Model	: I6ZB90Q	Test Rating	: 120Vac/60Hz
Test Mode	: Operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.184	10.33	0.03	9.85	11.43	31.64	54.28	22.64	Average
2	0.184	10.33	0.03	9.85	23.90	44.11	64.28	20.17	QP
3	0.529	10.33	0.03	9.85	1.06	21.27	46.00	24.73	Average
4	0.529	10.33	0.03	9.85	11.13	31.34	56.00	24.66	QP
5	1.716	10.36	0.05	9.86	4.87	25.14	46.00	20.86	Average
6	1.716	10.36	0.05	9.86	9.26	29.53	56.00	26.47	QP
7	2.527	10.37	0.07	9.86	7.20	27.50	46.00	18.50	Average
8	2.527	10.37	0.07	9.86	13.15	33.45	56.00	22.55	QP
9	6.805	10.53	0.11	9.87	3.16	23.67	50.00	26.33	Average
10	6.805	10.53	0.11	9.87	6.79	27.30	60.00	32.70	QP
11	21.373	11.10	0.20	9.95	-0.52	20.73	50.00	29.27	Average
12	21.373	11.10	0.20	9.95	3.77	25.02	60.00	34.98	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
 2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

Test Date	2022/07/13	Temp./Hum.	26°C/47%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR3(774)		
Instrument 2	: EHV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC PART 15C	Phase	: LINE
Environment	: 26°C / 47%	Engineer	: Roy Hung
EUT Model	: 16ZB90Q	Test Rating	: 120Vac/60Hz
Test Mode	: Operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.181	10.22	0.03	9.85	7.52	27.62	54.46	26.84	Average
2	0.181	10.22	0.03	9.85	23.09	43.19	64.46	21.27	QP
3	0.585	10.22	0.03	9.85	6.73	26.83	46.00	19.17	Average
4	0.585	10.22	0.03	9.85	11.16	31.26	56.00	24.74	QP
5	1.939	10.25	0.06	9.86	7.31	27.48	46.00	18.52	Average
6	1.939	10.25	0.06	9.86	12.30	32.47	56.00	23.53	QP
7	2.321	10.26	0.07	9.86	7.06	27.25	46.00	18.75	Average
8	2.321	10.26	0.07	9.86	12.29	32.48	56.00	23.52	QP
9	6.841	10.36	0.11	9.87	3.65	23.99	50.00	26.01	Average
10	6.841	10.36	0.11	9.87	7.47	27.81	60.00	32.19	QP
11	18.039	10.61	0.18	9.93	7.13	27.85	50.00	22.15	Average
12	18.039	10.61	0.18	9.93	12.18	32.90	60.00	27.10	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
 2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

A.2 RADIATED EMISSION

Test Date	2022/07/04~13	Temp./Hum.	23~24°C/59~65%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Martin Chen

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	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.940	22.86	1.46	26.48	28.55	26.39	40.00	13.61	Peak
109.540	17.24	2.73	26.22	34.87	28.62	43.50	14.88	Peak
215.270	16.12	3.88	25.76	42.20	36.44	43.50	7.06	Peak
470.380	22.65	6.54	26.95	32.79	35.03	46.00	10.97	Peak
540.220	23.61	6.90	27.24	30.78	34.05	46.00	11.95	Peak
917.550	26.44	8.85	26.93	28.90	37.26	46.00	8.74	Peak

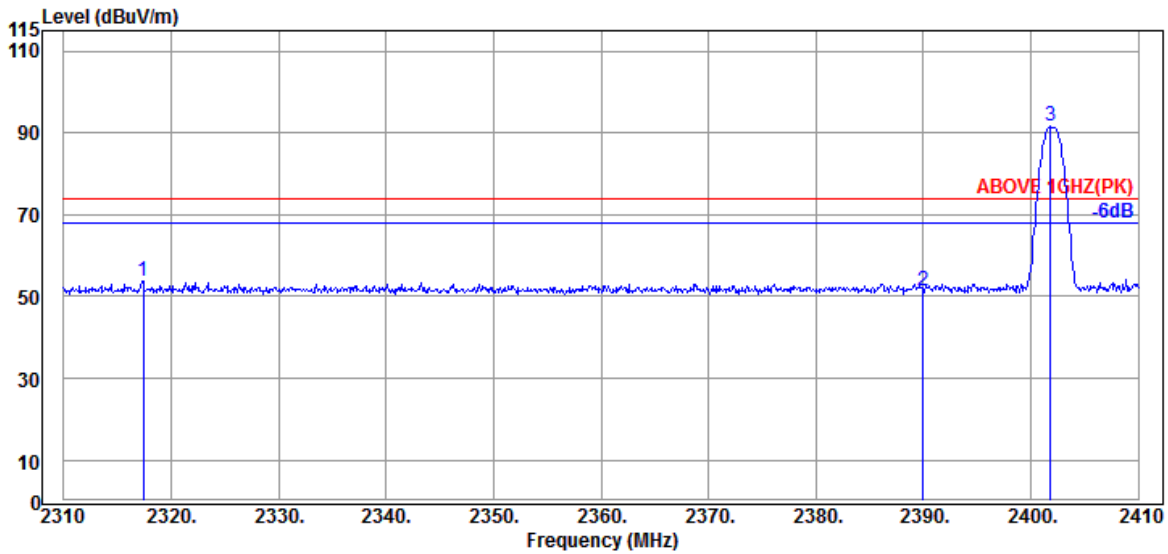
Antenna at Vertical Polarization

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
30.000	23.65	1.41	26.49	40.24	38.81	40.00	1.19	Peak
36.790	20.71	1.57	26.48	41.75	37.55	40.00	2.45	Peak
193.930	15.06	3.64	25.81	43.13	36.02	43.50	7.48	Peak
411.210	21.62	6.04	26.50	32.78	33.94	46.00	12.06	Peak
698.330	24.78	7.63	27.43	32.25	37.23	46.00	8.77	Peak
979.630	26.96	9.18	26.72	28.40	37.82	54.00	16.18	Peak

A.2.1.3 Frequency Above 1 GHz to 10th harmonics

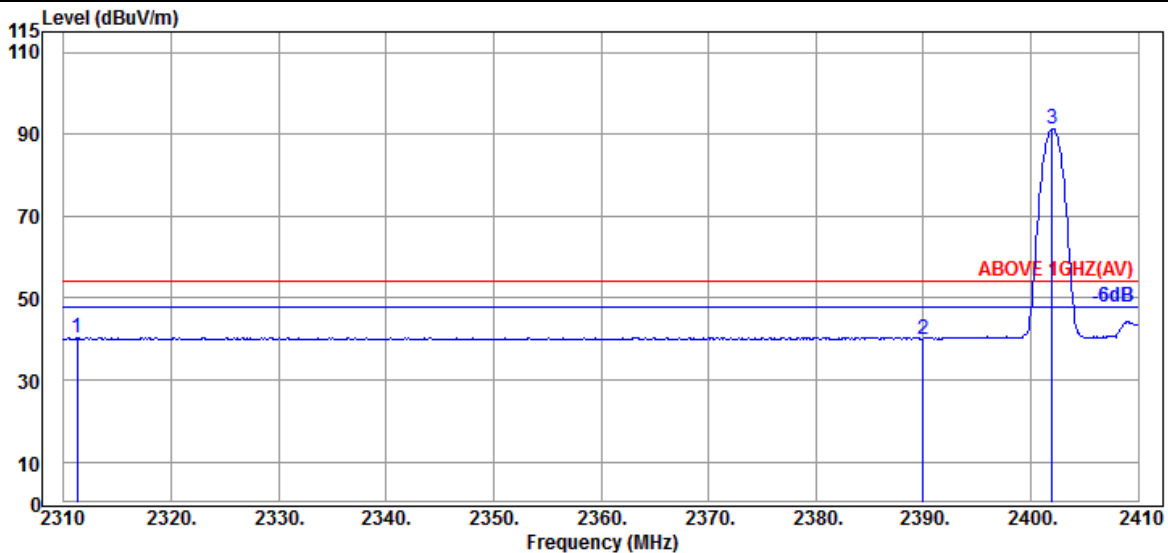
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2317.400	28.01	5.61	39.94	60.01	53.69	74.00	20.31	Peak
2390.000	28.20	5.72	39.93	57.19	51.18	74.00	22.82	Peak
@ 2401.800	28.20	5.74	39.93	97.48	91.49	---	---	Peak

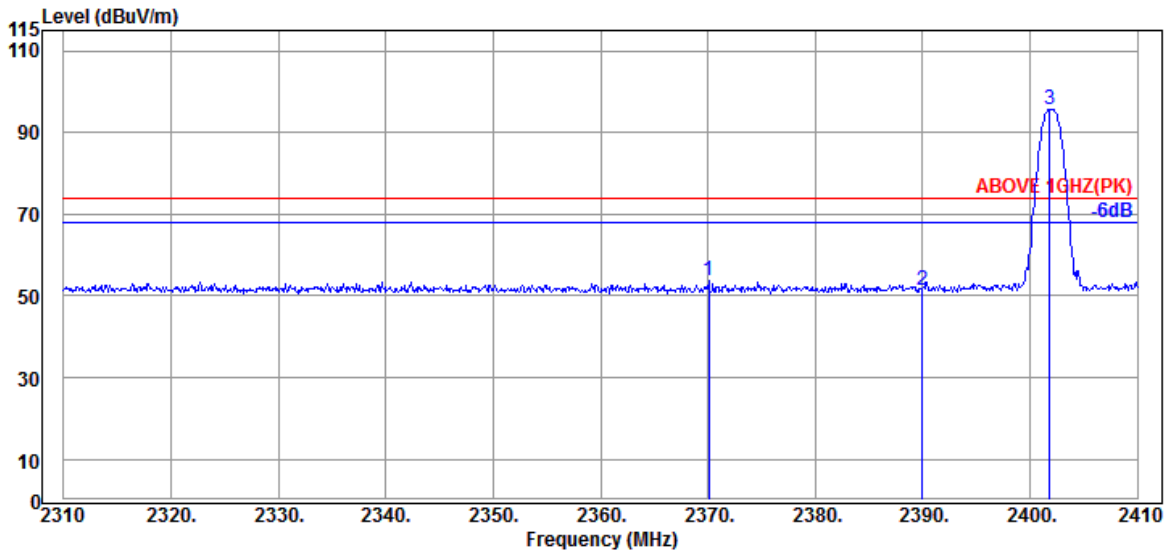


Antenna at Horizontal Polarization

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
2311.300	27.98	5.60	39.94	46.82	40.46	54.00	13.54	Average
2390.000	28.20	5.72	39.93	46.07	40.06	54.00	13.94	Average
@ 2402.000	28.20	5.74	39.93	97.33	91.34	---	---	Average

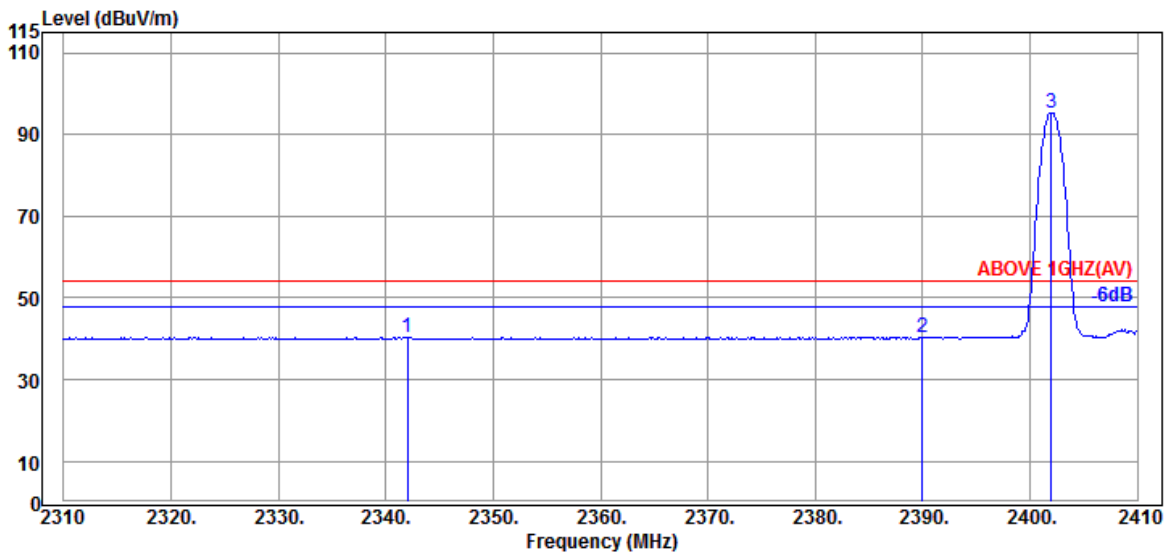
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
2370.100	28.20	5.70	39.93	59.62	53.59	74.00	20.41	Peak
2390.000	28.20	5.72	39.93	57.48	51.47	74.00	22.53	Peak
@ 2401.800	28.20	5.74	39.93	101.64	95.65	---	---	Peak

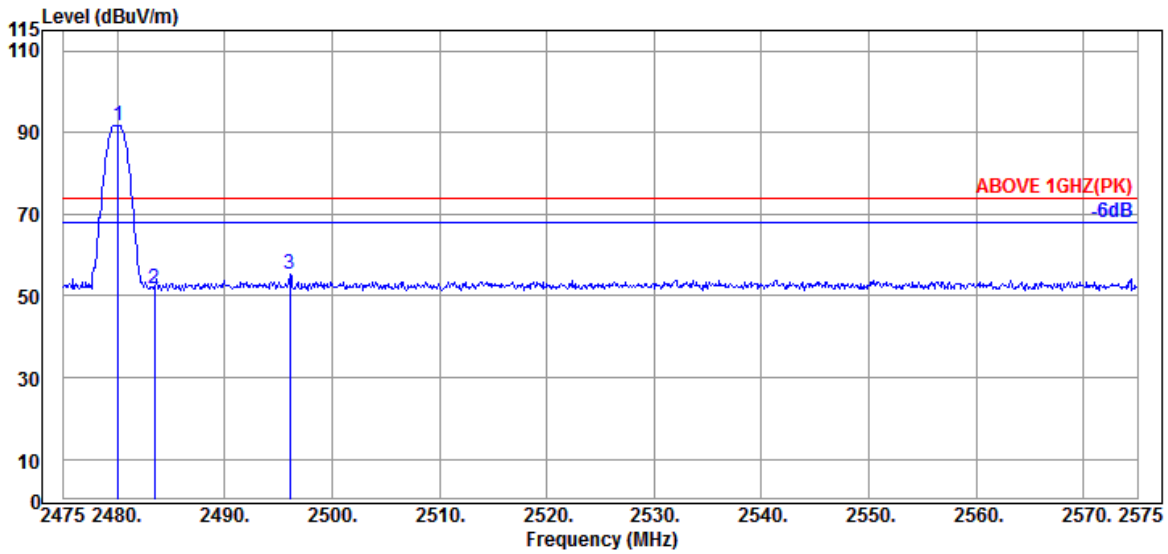


Antenna at Vertical Polarization

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
2342.000	28.12	5.64	39.93	46.64	40.47	54.00	13.53	Average
2390.000	28.20	5.72	39.93	46.23	40.22	54.00	13.78	Average
@ 2402.000	28.20	5.74	39.93	101.42	95.43	---	---	Average

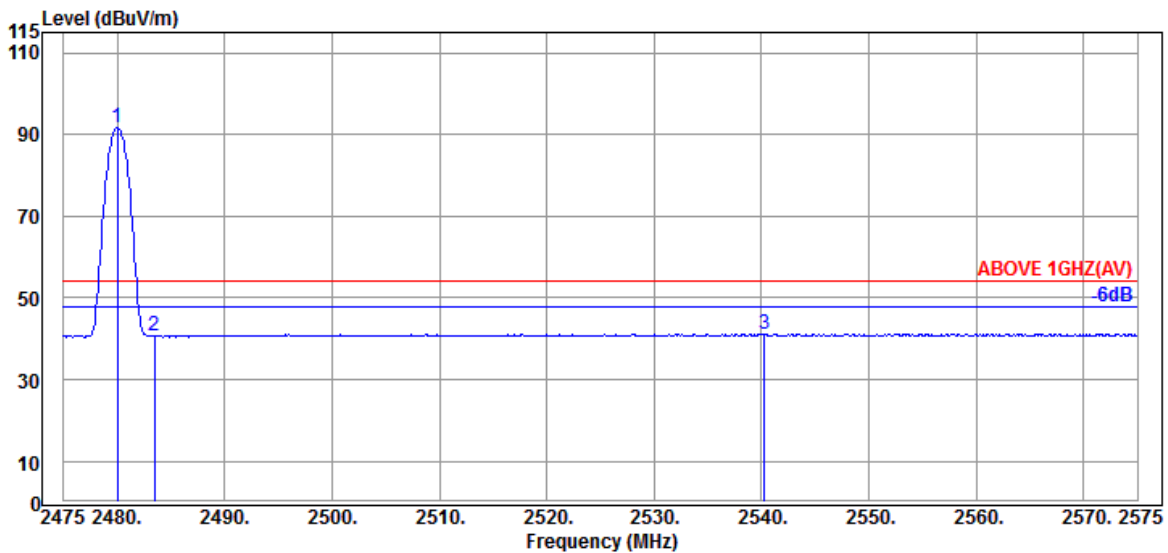
Remark: The “@” means fundamental frequency, it is ignored in this section.

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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.100	28.46	5.86	39.92	97.43	91.83	---	---	Peak
2483.500	28.47	5.87	39.92	57.41	51.83	74.00	22.17	Peak
2496.100	28.49	5.88	39.92	60.91	55.36	74.00	18.64	Peak

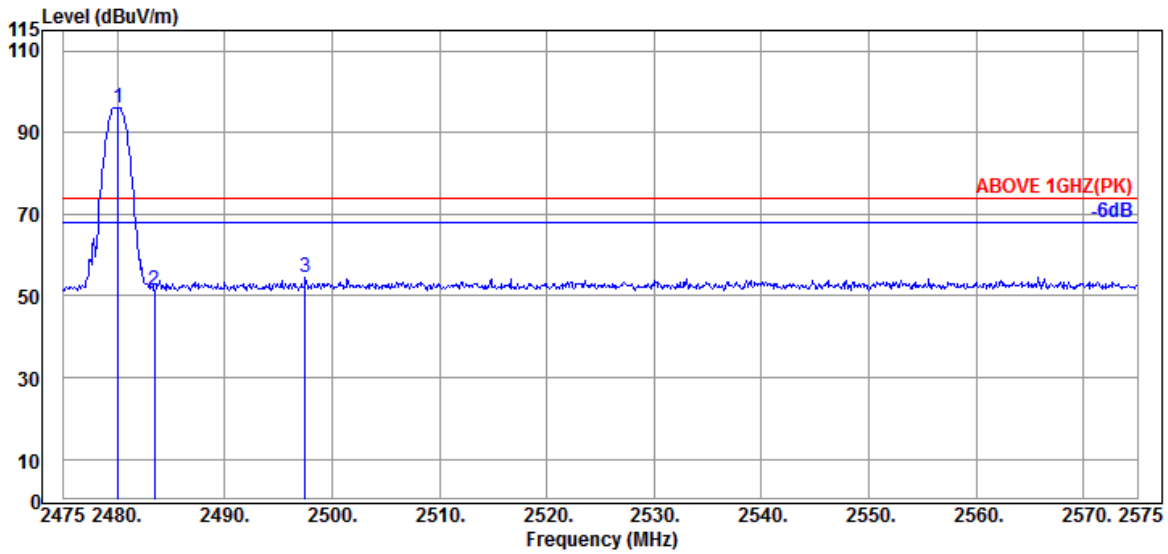


Antenna at Horizontal Polarization

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
@ 2480.000	28.46	5.86	39.92	97.20	91.60	---	---	Average
2483.500	28.47	5.87	39.92	46.12	40.54	54.00	13.46	Average
2540.300	28.67	6.00	39.93	46.40	41.14	54.00	12.86	Average

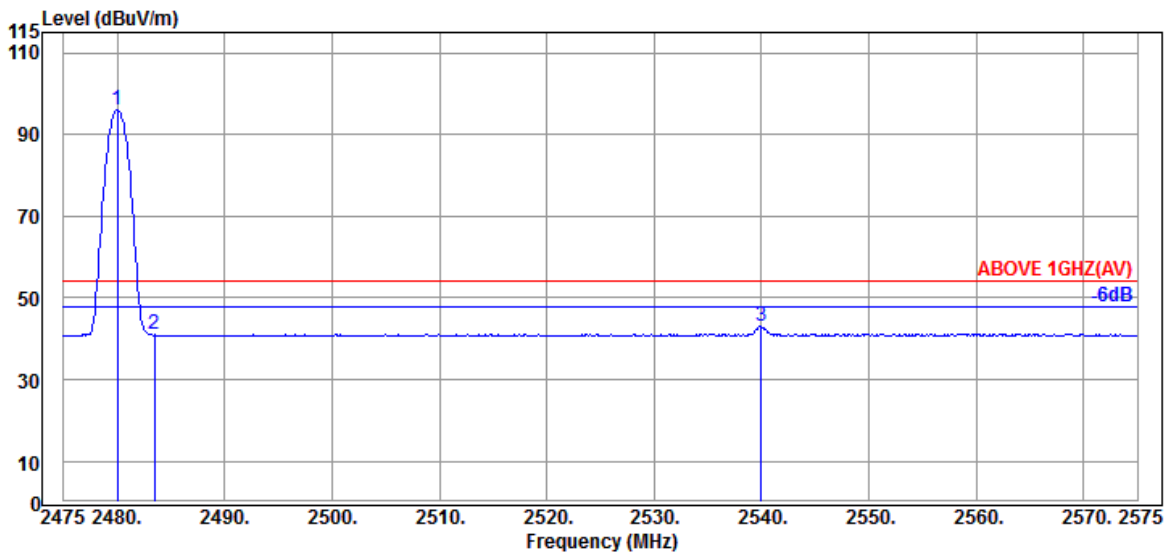
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
@ 2480.100	28.46	5.86	39.92	101.74	96.14	---	---	Peak
2483.500	28.47	5.87	39.92	57.01	51.43	74.00	22.57	Peak
2497.500	28.50	5.89	39.92	60.18	54.65	74.00	19.35	Peak

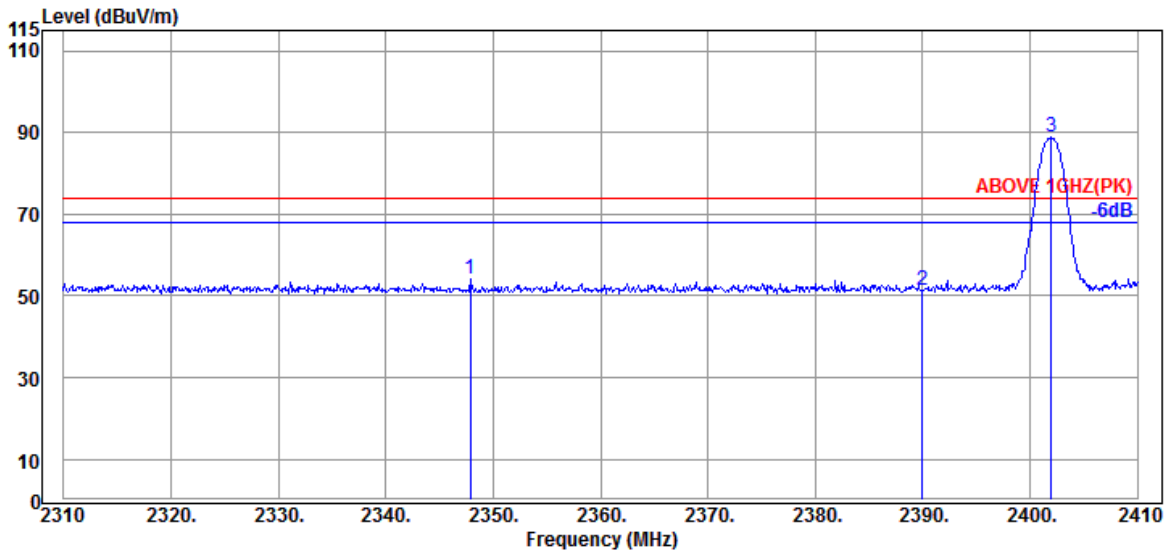


Antenna at Vertical Polarization

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
@ 2480.000	28.46	5.86	39.92	101.59	95.99	---	---	Average
2483.500	28.47	5.87	39.92	46.51	40.93	54.00	13.07	Average
2540.000	28.67	6.00	39.93	48.20	42.94	54.00	11.06	Average

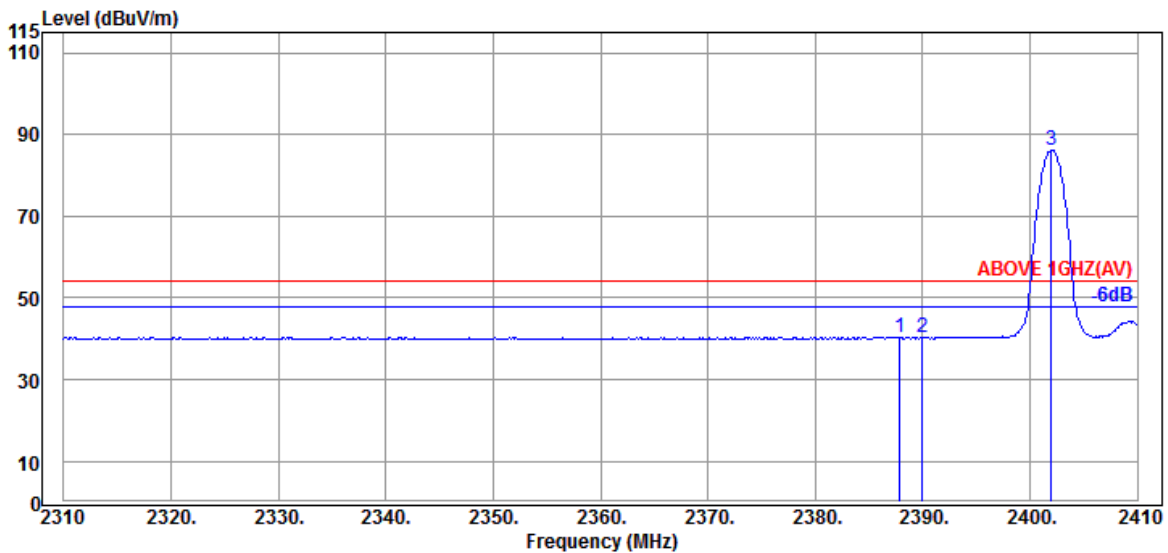
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
2347.900	28.16	5.65	39.93	60.13	54.01	74.00	19.99	Peak
2390.000	28.20	5.72	39.93	57.32	51.31	74.00	22.69	Peak
@ 2402.000	28.20	5.74	39.93	94.72	88.73	---	---	Peak

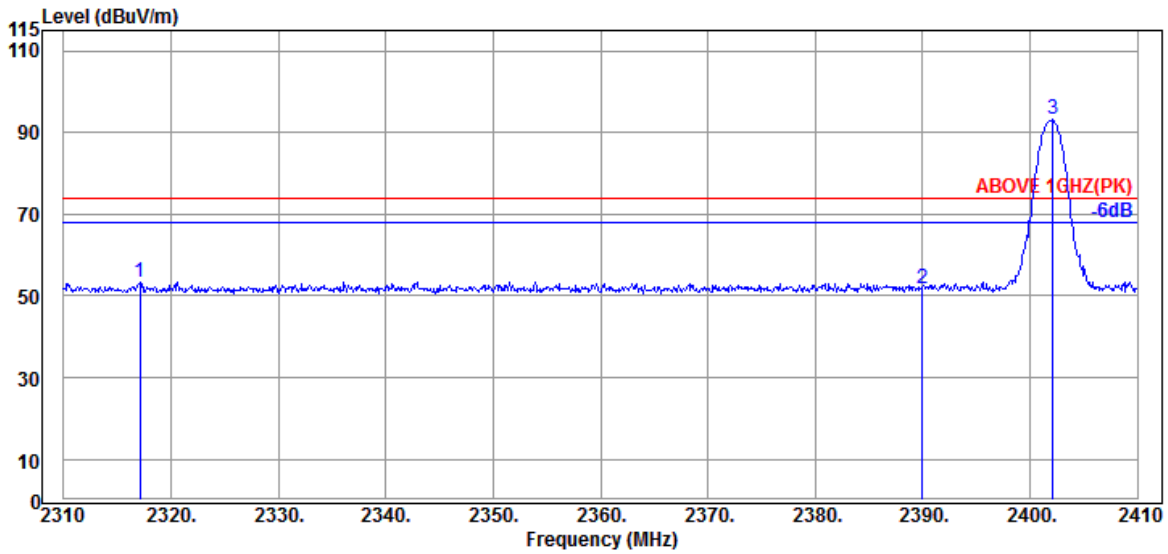


Antenna at Horizontal Polarization

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
2387.900	28.20	5.72	39.93	46.49	40.48	54.00	13.52	Average
2390.000	28.20	5.72	39.93	46.24	40.23	54.00	13.77	Average
@ 2402.000	28.20	5.74	39.93	92.12	86.13	---	---	Average

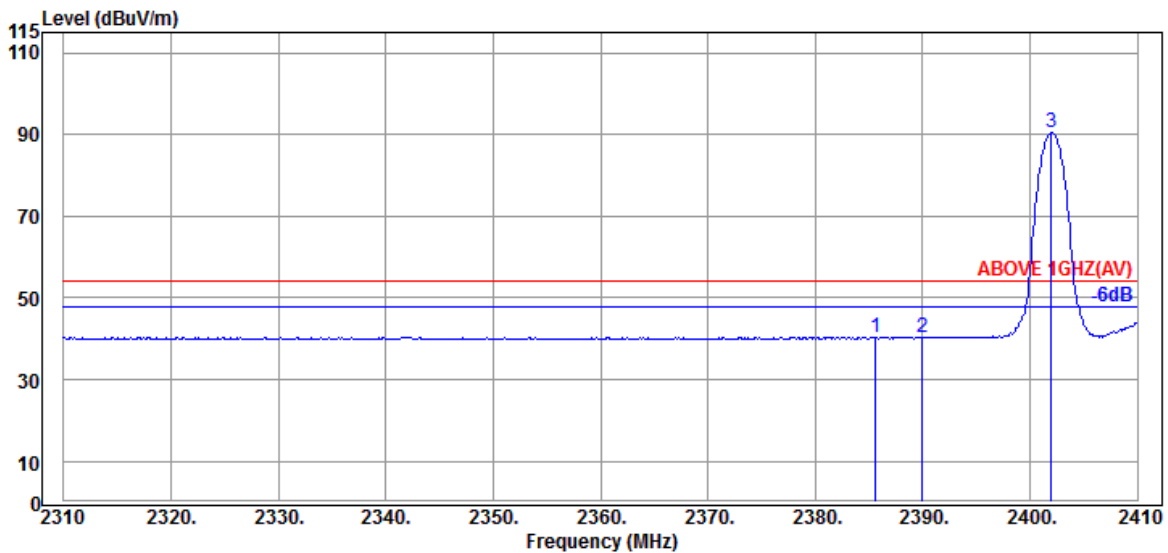
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
2317.100	28.01	5.61	39.94	59.79	53.47	74.00	20.53	Peak
2390.000	28.20	5.72	39.93	57.68	51.67	74.00	22.33	Peak
@ 2402.100	28.20	5.74	39.93	99.09	93.10	---	---	Peak

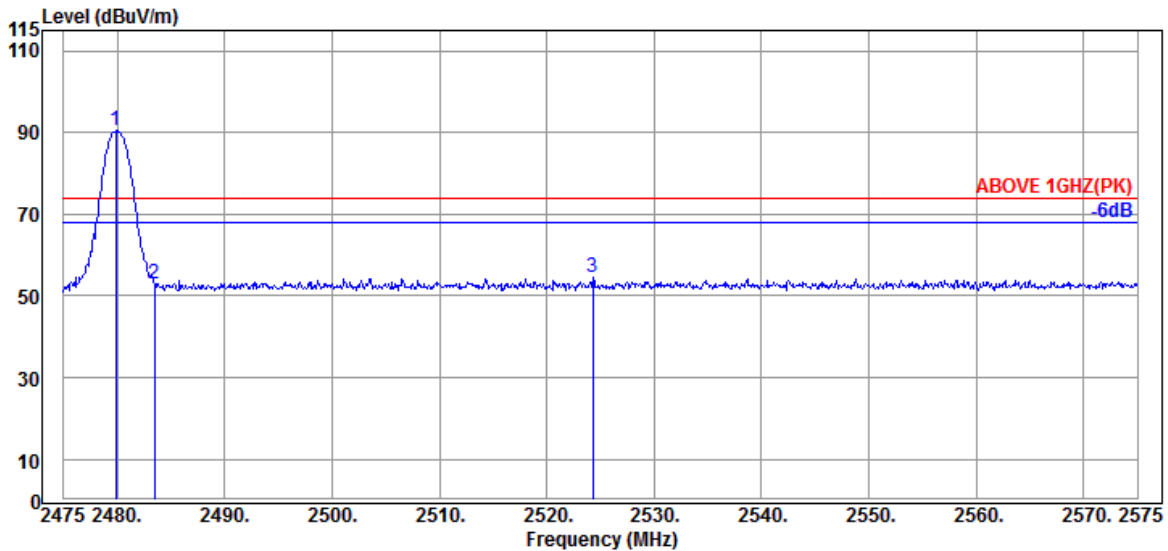


Antenna at Vertical Polarization

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
2385.600	28.20	5.72	39.93	46.42	40.41	54.00	13.59	Average
2390.000	28.20	5.72	39.93	46.38	40.37	54.00	13.63	Average
@ 2402.000	28.20	5.74	39.93	96.43	90.44	---	---	Average

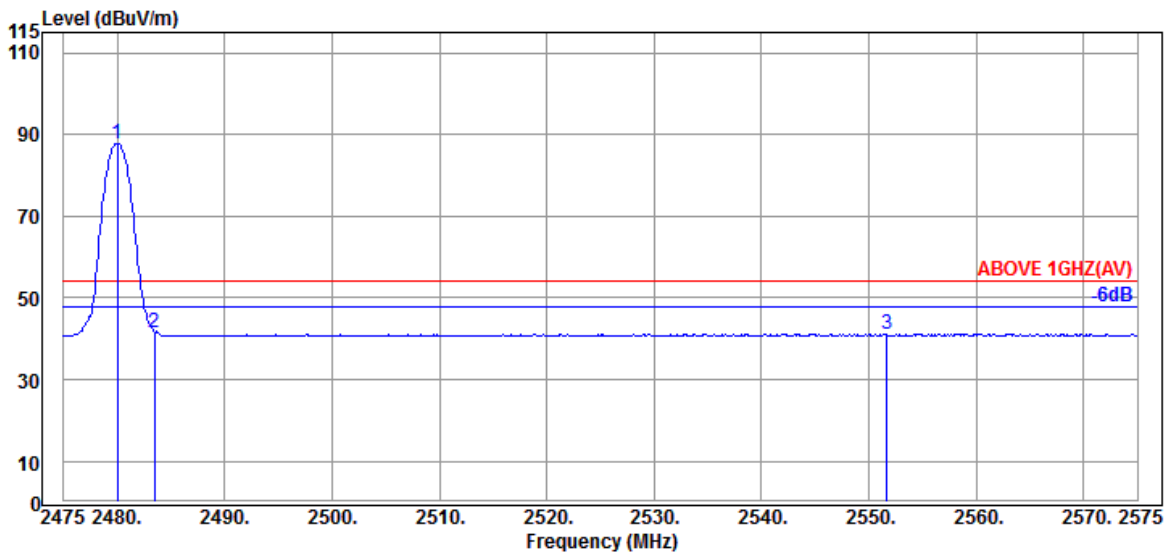
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.900	28.46	5.86	39.92	96.02	90.42	---	---	Peak
2483.500	28.47	5.87	39.92	58.37	52.79	74.00	21.21	Peak
2524.300	28.59	5.94	39.93	59.75	54.35	74.00	19.65	Peak

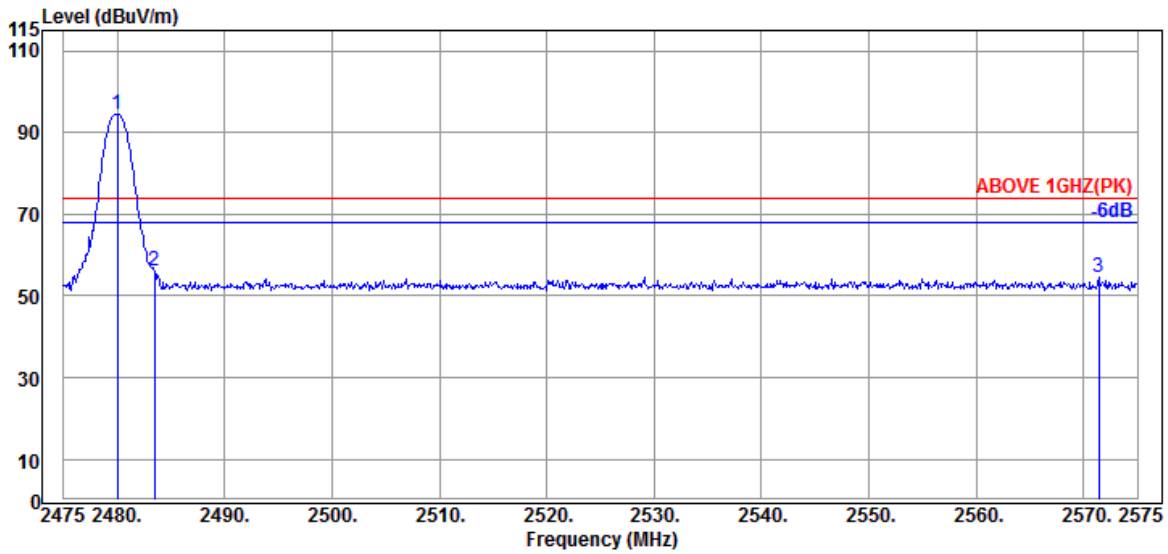


Antenna at Horizontal Polarization

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
@ 2480.000	28.46	5.86	39.92	93.43	87.83	---	---	Average
2483.500	28.47	5.87	39.92	47.17	41.59	54.00	12.41	Average
2551.700	28.70	6.01	39.94	46.47	41.24	54.00	12.76	Average

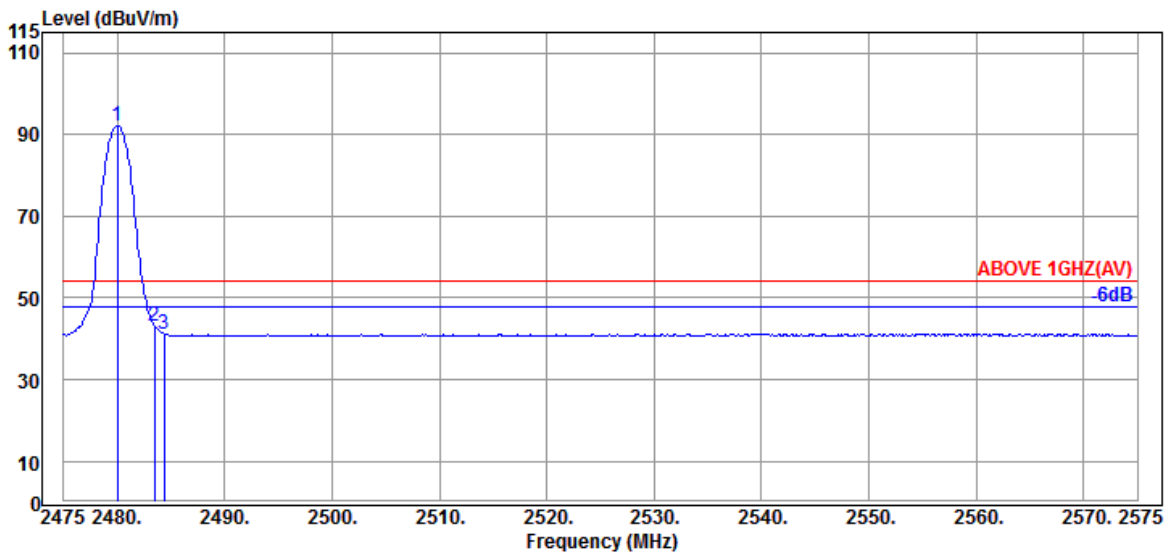
Remark: The “@” means fundamental frequency, it is ignored in this section.

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
@ 2480.000	28.46	5.86	39.92	100.19	94.59	---	---	Peak
2483.500	28.47	5.87	39.92	61.58	56.00	74.00	18.00	Peak
2571.400	28.79	6.07	39.94	59.56	54.48	74.00	19.52	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	28.46	5.86	39.92	97.69	92.09	---	---	Average
2483.500	28.47	5.87	39.92	48.69	43.11	54.00	10.89	Average
2484.400	28.47	5.87	39.92	46.81	41.23	54.00	12.77	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	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
4804.000	33.10	8.53	39.39	38.65	40.89	54.00	13.11	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
4804.000	33.10	8.53	39.39	40.89	43.13	54.00	10.87	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.20	8.64	39.35	38.63	41.12	54.00	12.88	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
4882.000	33.20	8.64	39.35	39.62	42.11	54.00	11.89	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.38	8.74	39.31	38.54	41.35	54.00	12.65	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
4960.000	33.38	8.74	39.31	39.47	42.28	54.00	11.72	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

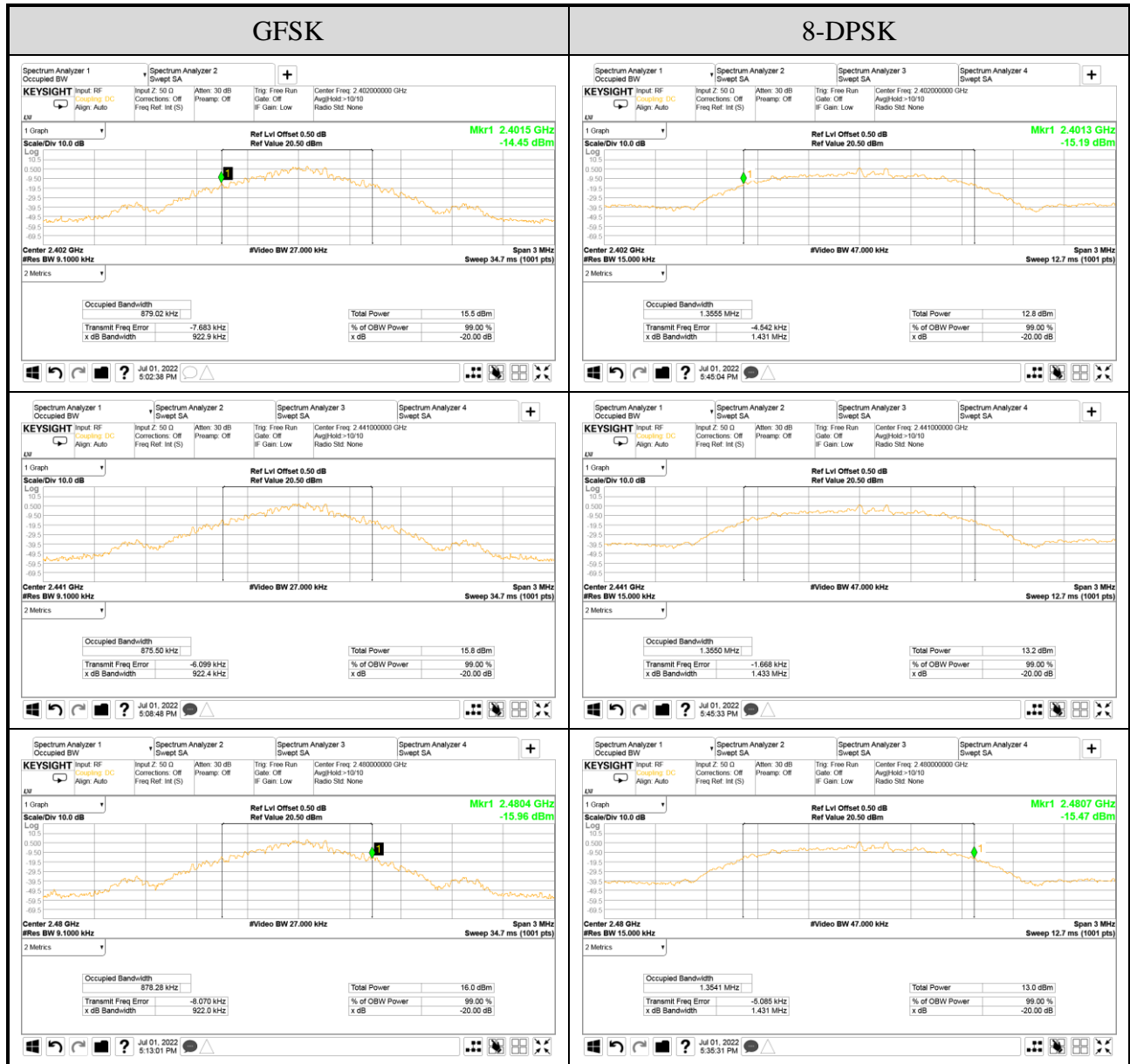
Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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	0.9229	0.87902	0.615
	2441	0.9224	0.87550	0.615
	2480	0.9220	0.87828	0.615
8-DPSK	2402	1.431	1.3555	0.954
	2441	1.433	1.3550	0.955
	2480	1.431	1.3541	0.954

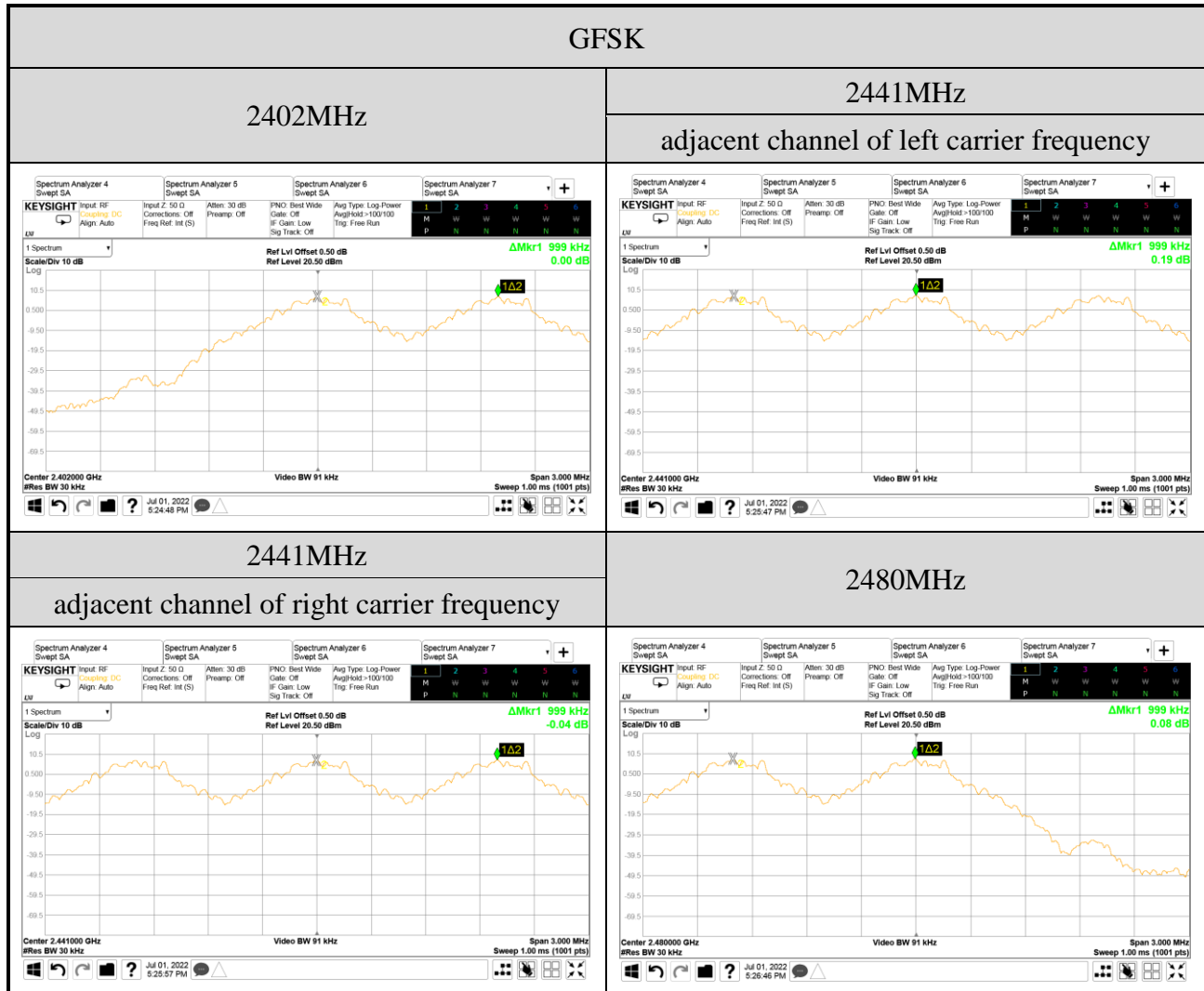
Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

A.3.2 Measurement Plots



A.4 CARRIER FREQUENCY SEPARATION

Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

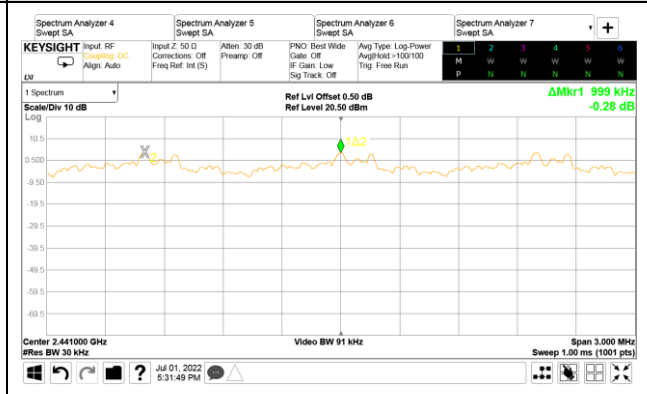
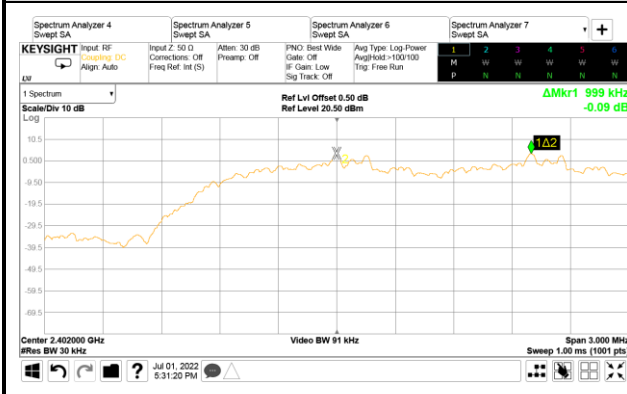


8-DPSK

2402MHz

2441MHz

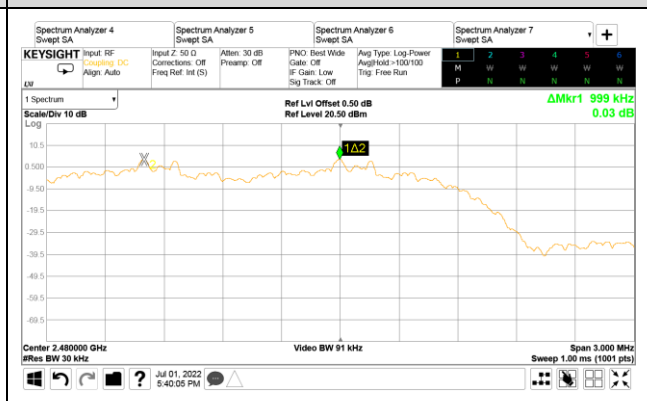
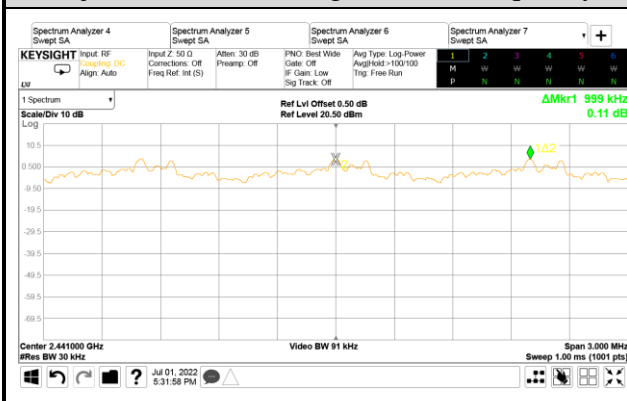
adjacent channel of left carrier frequency



2441MHz

2480MHz

adjacent channel of right carrier frequency



A.5 TIME OF OCCUPANCY

Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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	0.3800	120.080	<400
		DH3	5	1.6400	259.120	<400
		DH5	3	2.8900	273.972	<400

Observation Period:

$$79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$$

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 * 1.640 ms = 259.120 ms (<400ms)

DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is
 3 transmission * 31.6 seconds * 2.890 ms = 273.972 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	0.3800	120.080	<400
		DH3	5	1.6400	259.120	<400
		DH5	3	2.8900	273.972	<400

Observation Period:

$$79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$$

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 * 1.640 ms = 259.120 ms (<400ms)

DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is
 3 transmission * 31.6 seconds * 2.890 ms = 273.972 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	0.3800	120.080	<400
		DH3	5	1.6400	259.120	<400
		DH5	3	2.8900	273.972	<400

Observation Period:

$$79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$$

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)

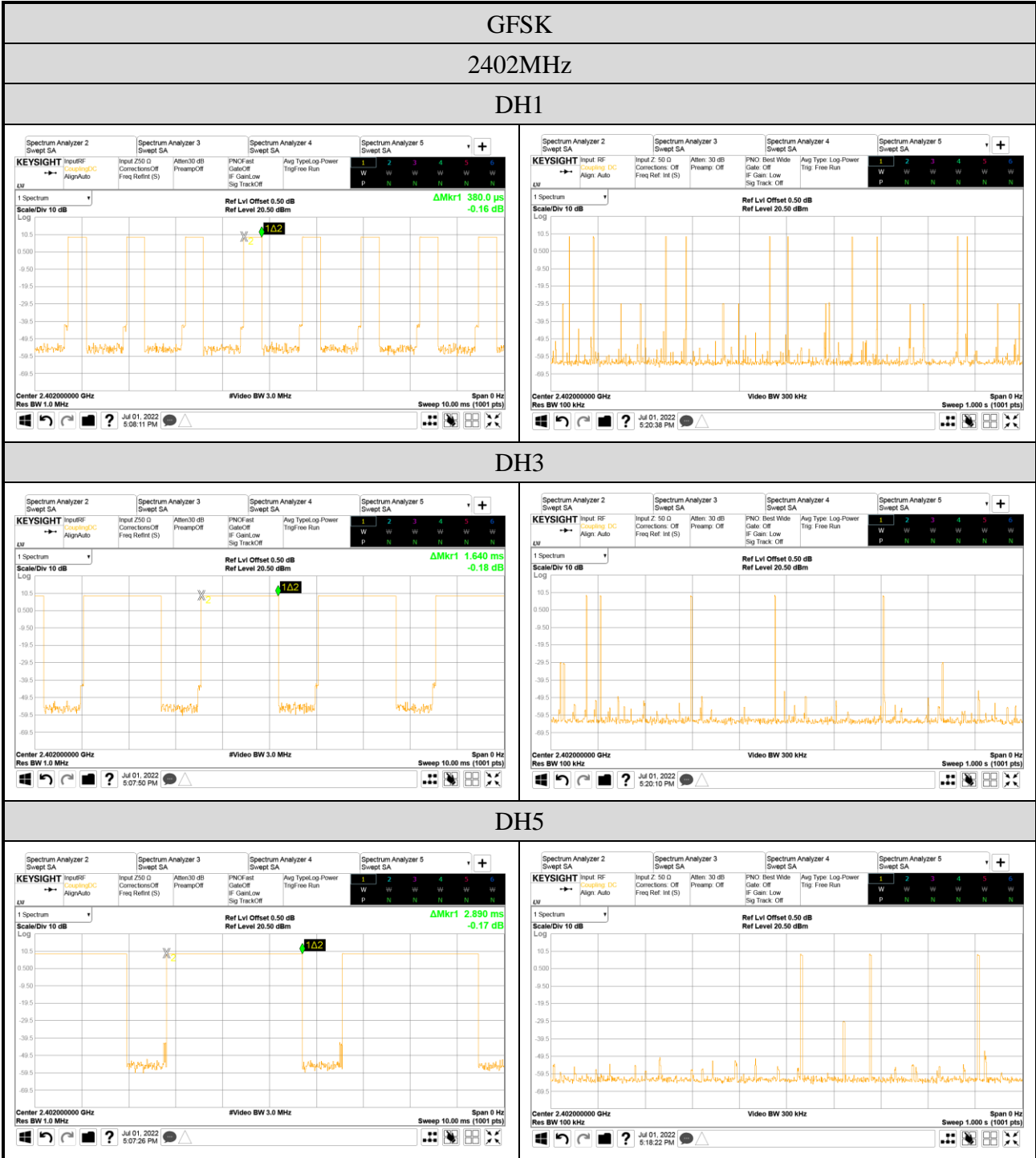
DH3 Mode

For each second of **5** transmission appearance, the longest time of occupancy is
5 transmission * **31.6** seconds * **1.640** ms = **259.120** ms (<400ms)

DH5 Mode

For each second of **3** transmission appearance, the longest time of occupancy is
3 transmission * **31.6** seconds * **2.890** ms = **273.972** ms (<400ms)

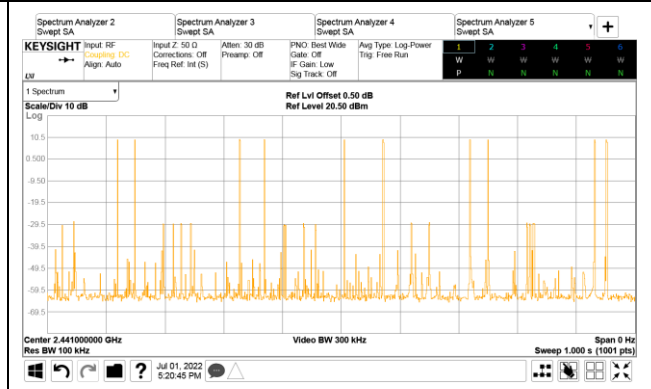
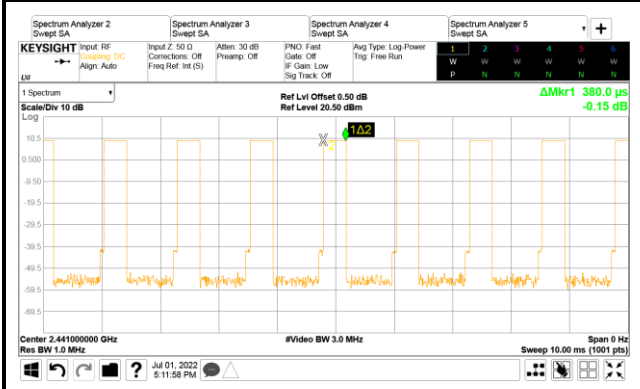
● Measurement Plots



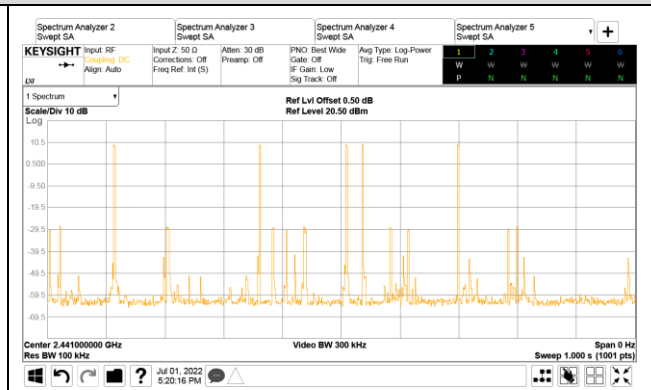
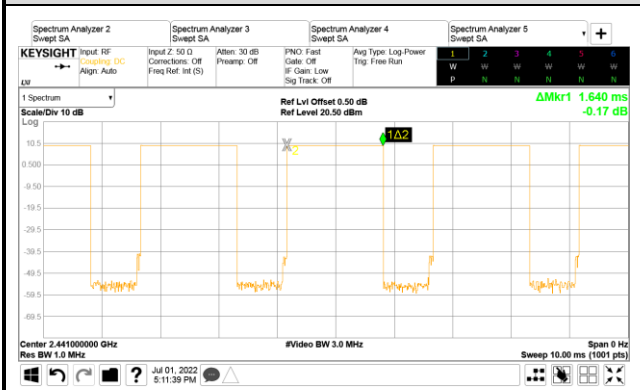
GFSK

2441MHz

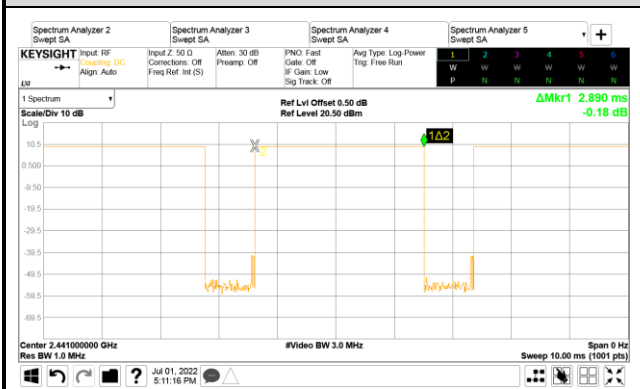
DH1



DH3



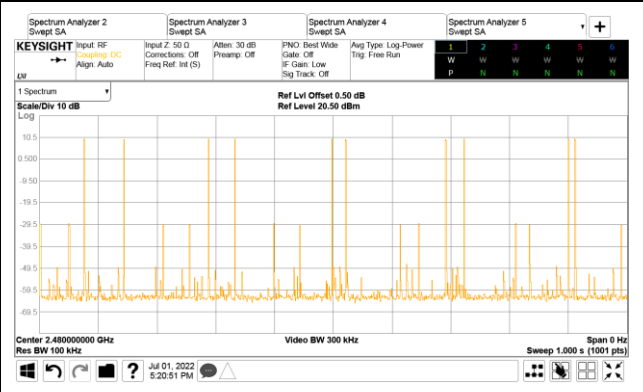
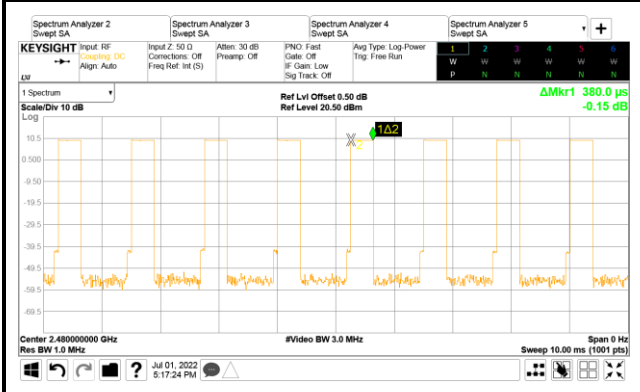
DH5



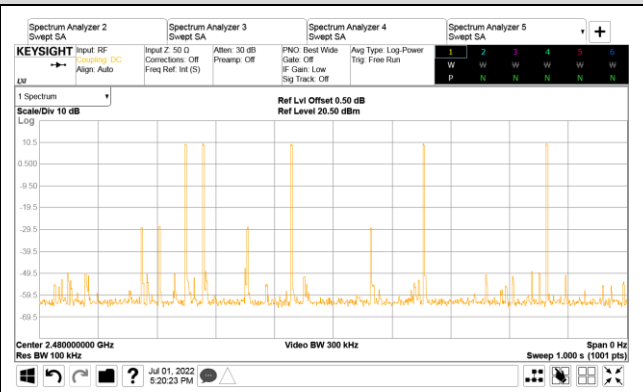
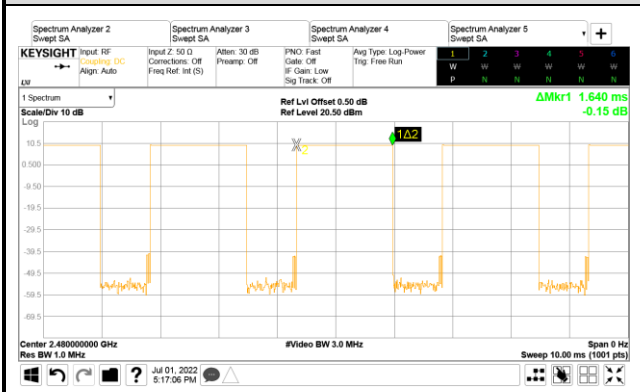
GFSK

2480MHz

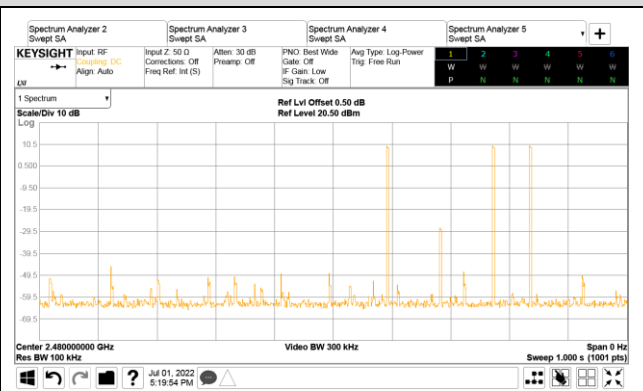
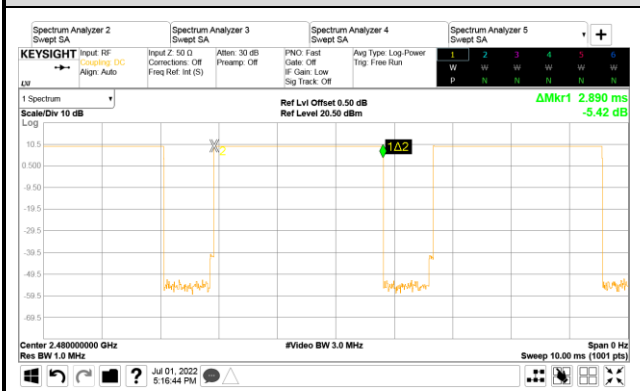
DH1



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	0.3900	123.240	<400
		3DH3	5	1.6400	259.120	<400
		3DH5	3	2.8900	273.972	<400

Observation Period:

$$79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$$

3DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is 10 transmission * 31.6 seconds * 0.390 ms = 123.240 ms (<400ms)

3DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is 5 transmission * 31.6 seconds * 1.640 ms = 259.120 ms (<400ms)

3DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is 3 transmission * 31.6 seconds * 2.890 ms = 273.972 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	0.3900	123.240	<400
		3DH3	5	1.6400	259.120	<400
		3DH5	3	2.8900	273.972	<400

Observation Period:

$$79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$$

3DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is 10 transmission * 31.6 seconds * 0.390 ms = 123.240 ms (<400ms)

3DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is 5 transmission * 31.6 seconds * 1.640 ms = 259.120 ms (<400ms)

3DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is 3 transmission * 31.6 seconds * 2.890 ms = 273.972 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	0.3900	123.240	<400
		3DH3	5	1.6400	259.120	<400
		3DH5	3	2.8900	273.972	<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 * **0.390** ms = **123.240** ms (<400ms)

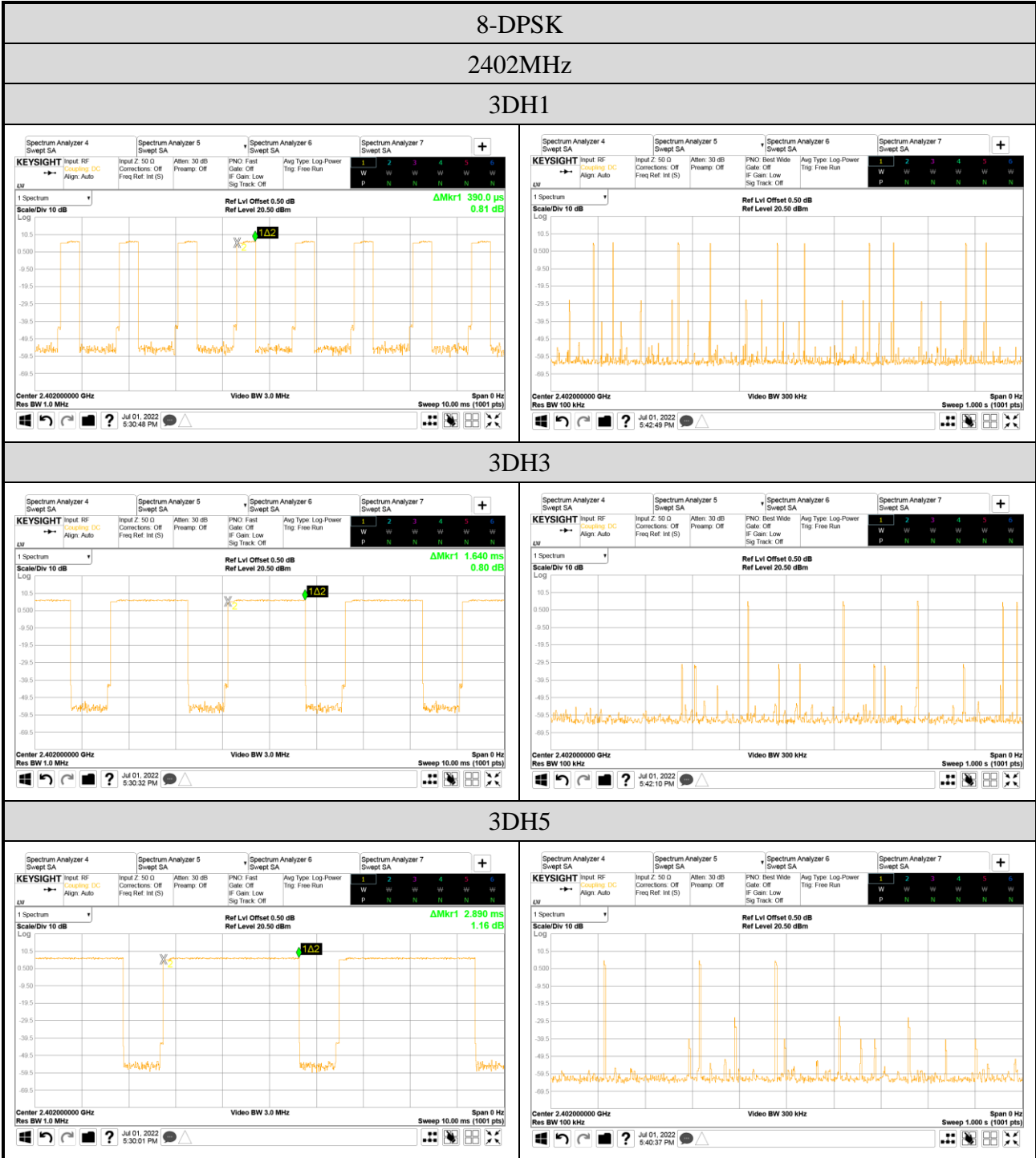
3DH3 Mode

For each second of **5** transmission appearance, the longest time of occupancy is
5 transmission * **31.6** seconds * **1.640** ms = **259.120** ms (<400ms)

3DH5 Mode

For each second of **3** transmission appearance, the longest time of occupancy is
3 transmission * **31.6** seconds * **2.890** ms = **273.972** ms (<400ms)

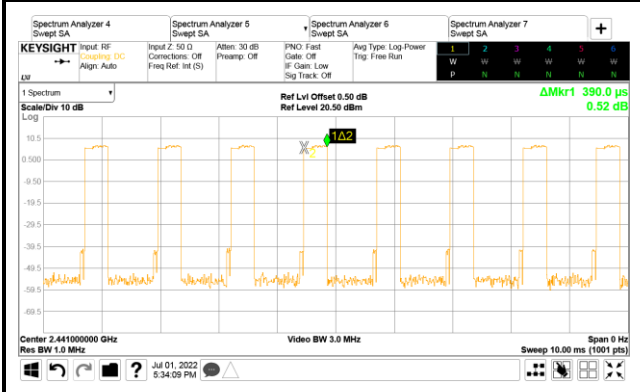
● Measurement Plots



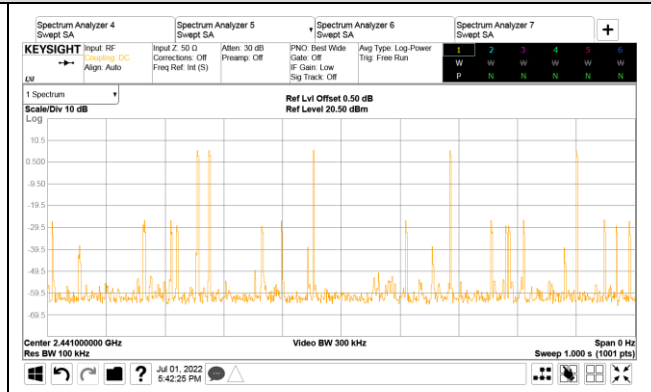
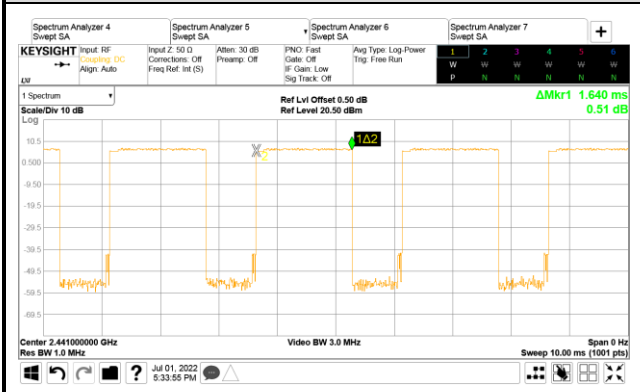
8-DPSK

2441MHz

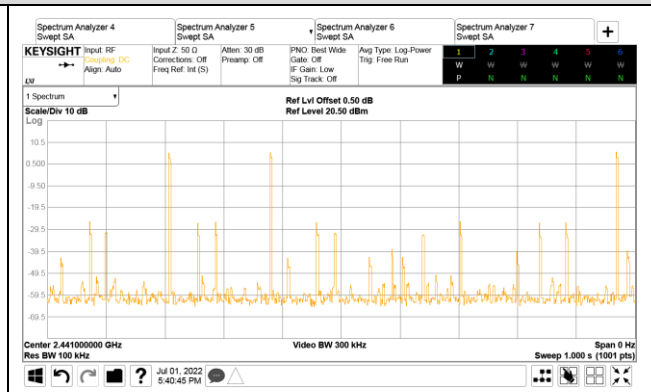
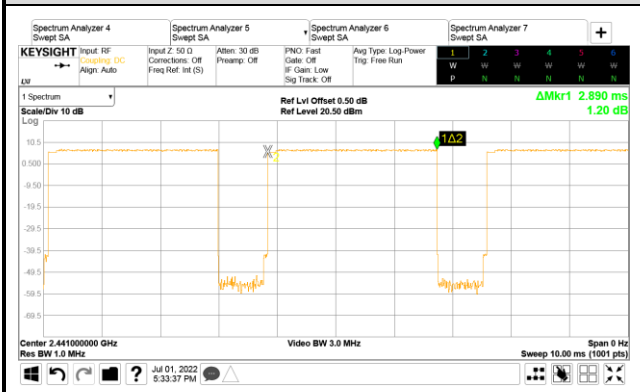
3DH1



3DH3



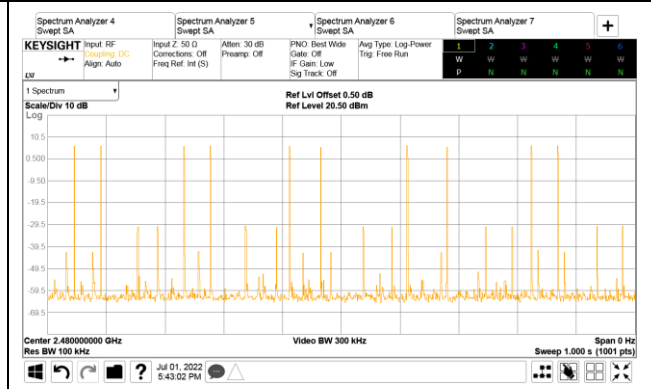
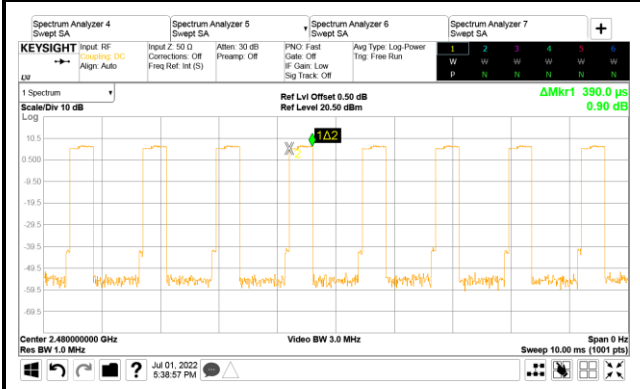
3DH5



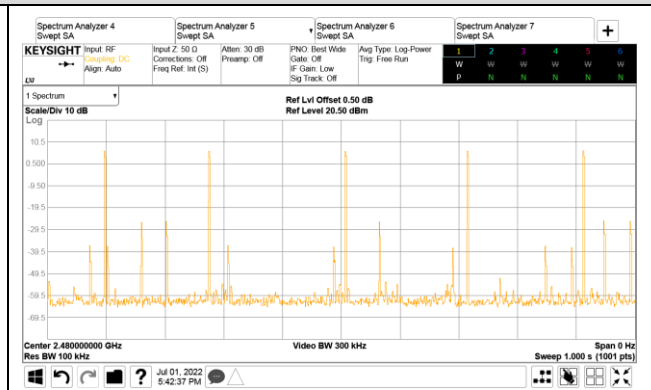
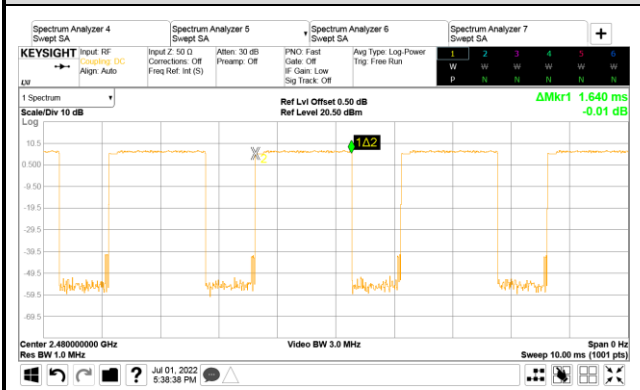
8-DPSK

2480MHz

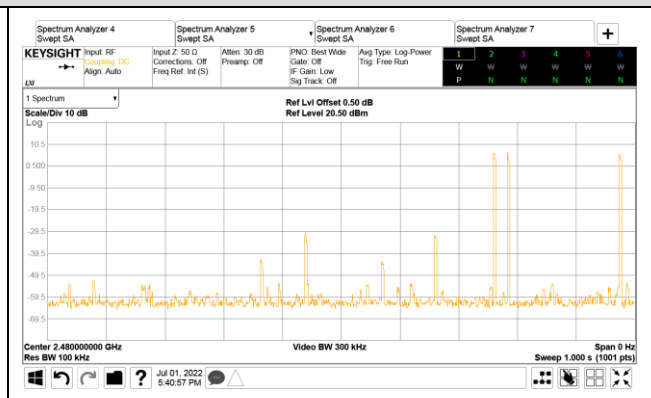
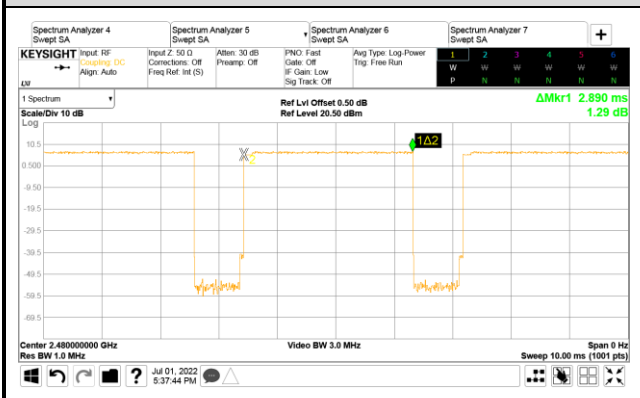
3DH1



3DH3

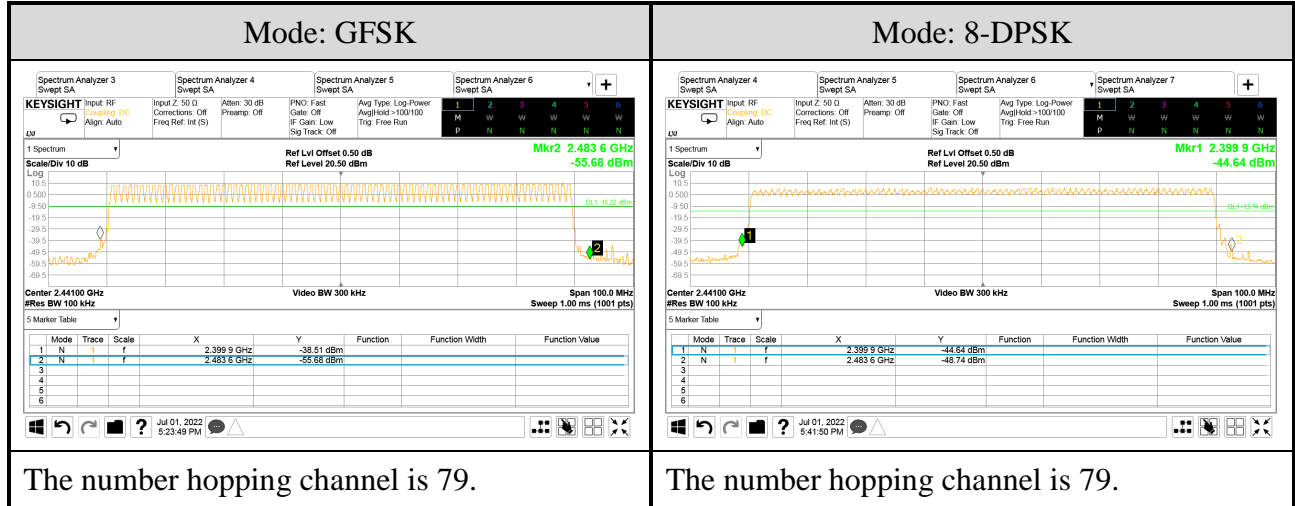


3DH5



A.6 NUMBER OF HOPPING CHANNELS

Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		



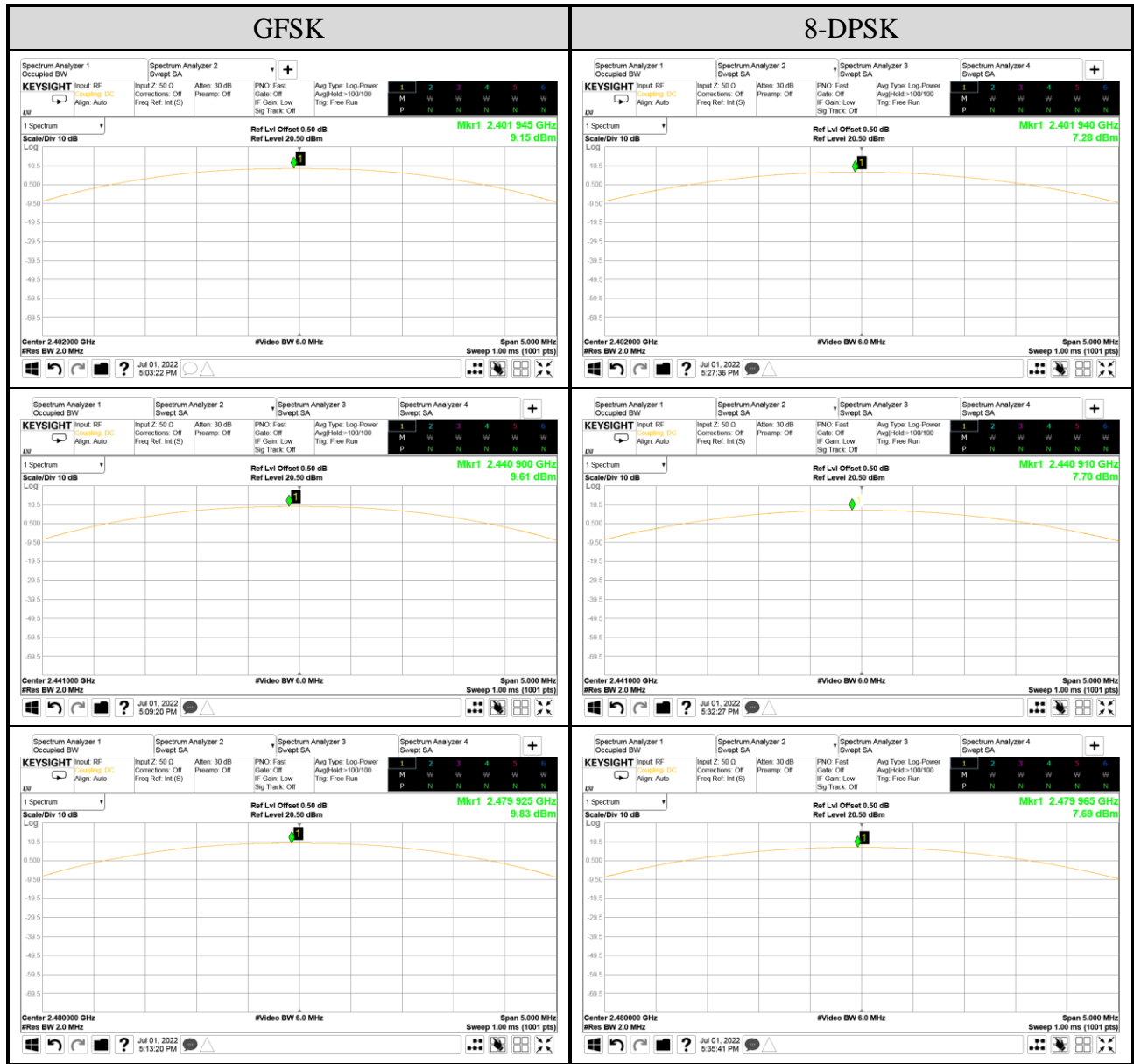
A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.7.1 Maximum Peak Output Power

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Limit
		dBm	W	
GFSK	2402	9.15	0.008	21dBm (0.125W)
	2441	9.61	0.009	
	2480	9.83	0.010	
8-DPSK	2402	7.28	0.005	
	2441	7.70	0.006	
	2480	7.69	0.006	

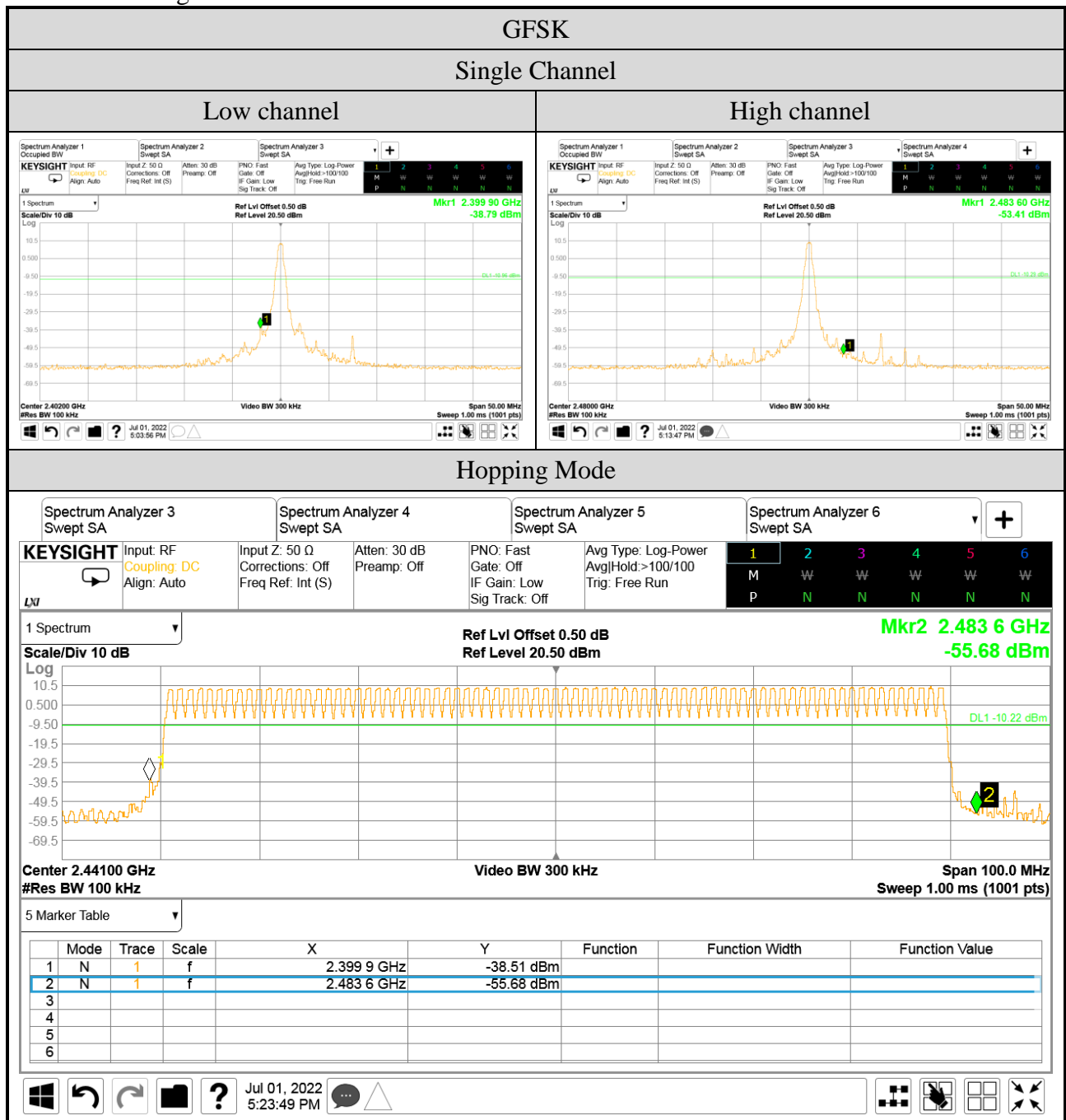
A.7.2 Measurement Plots

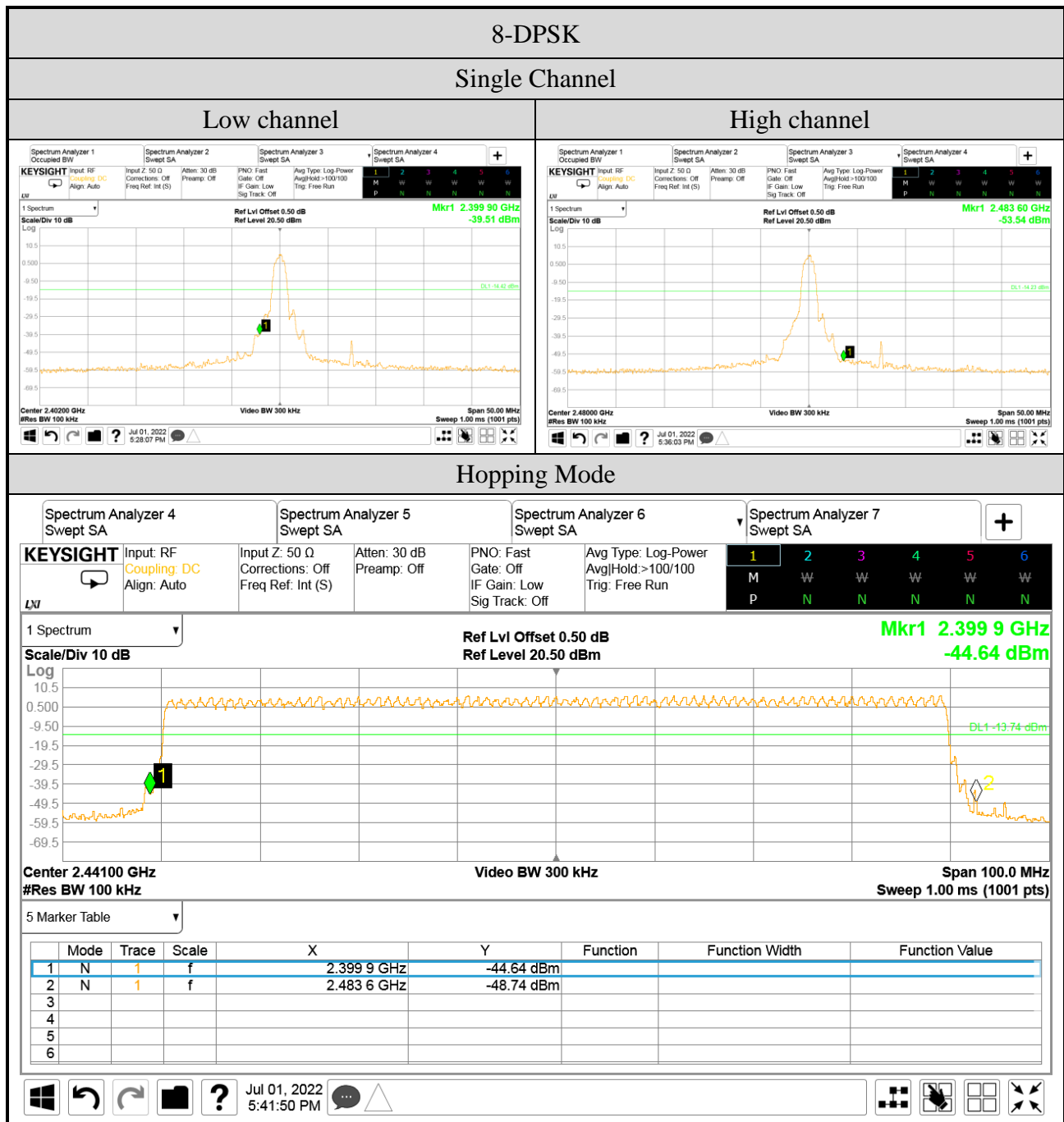


A.8 EMISSION LIMITATIONS MEASUREMENT

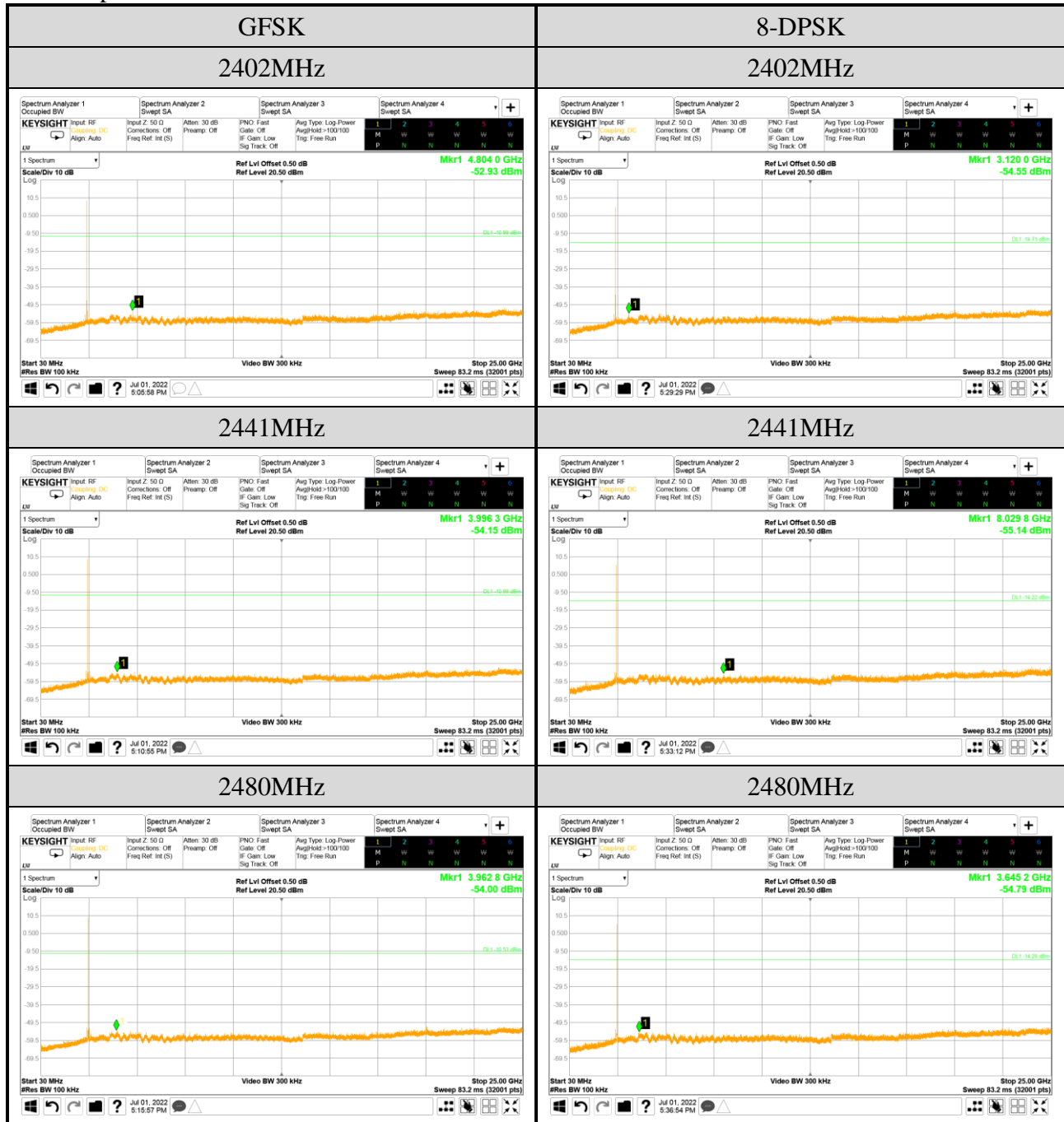
Test Date	2022/07/01	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge





A.8.2 Spurious Emission



Note: All results have been included cable loss.