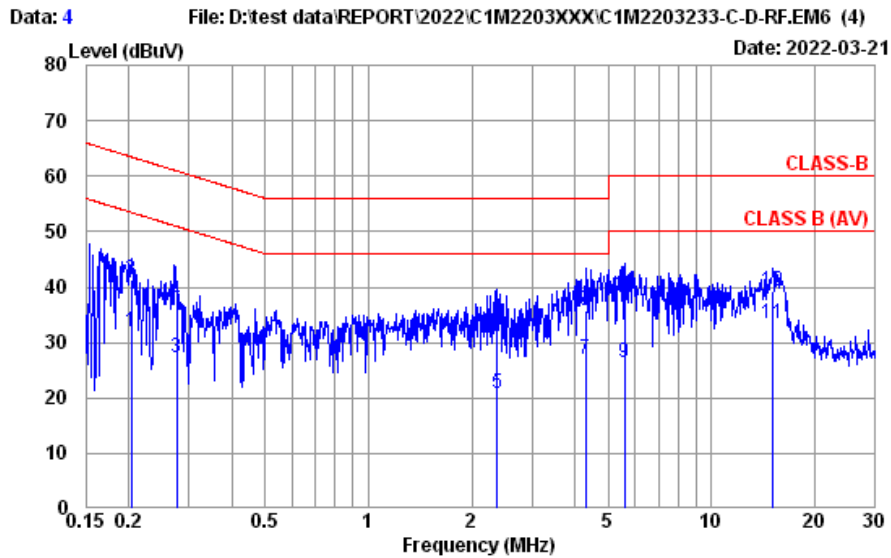


TABLE OF CONTENTS

A.1 CONDUCTED EMISSION	2
A.2 RADIATED EMISSION	4
A.2.1 Emissions within Restricted Frequency Bands.....	4
A.2.2 Emissions outside the frequency band:.....	13
A.2.3 Emissions in Non-restricted Frequency Bands:.....	13
A.3 20dB BANDWIDTH	14
A.3.1 20dB Bandwidth Result.....	14
A.3.2 Measurement Plots	15
A.4 CARRIER FREQUENCY SEPARATION	16
A.5 TIME OF OCCUPANCY	18
A.5.1 Time of Occupancy	18
A.6 NUMBER OF HOPPING CHANNELS	28
A.7 MAXIMUM PEAK OUTPUT POWER	29
A.7.1 Maximum Peak Output Power.....	29
A.7.2 Measurement Plots	30
A.8 EMISSION LIMITATIONS MEASUREMENT	31
A.8.1 Band Edge.....	31
A.8.2 Spurious Emission	33

A.1 CONDUCTED EMISSION

Test Date	2022/03/21	Temp./Hum.	26°C/65%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu

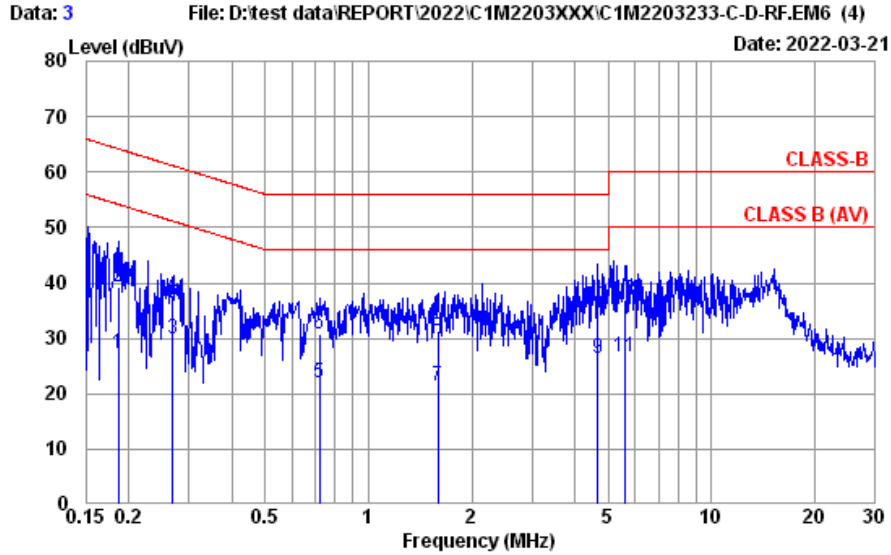


Site No.	: No.8 Shielded Room	Data No.	: 4
Instrument 1	: Receiver ESR3(774)		
Instrument 2	: EHV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B	Phase	: NEUTRAL
Environment	: 26°C / 65%	Engineer	: Chucky Chiu
EUT Model	: 16U70Q	Test Rating	: 120Vac/60Hz
Test Mode	: Operating		

	Freq. (MHz)	AMF Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.204	10.39	0.03	9.85	11.59	31.86	53.45	21.59	Average
2	0.204	10.39	0.03	9.85	21.05	41.32	63.45	22.13	QP
3	0.276	10.38	0.03	9.85	6.85	27.11	50.94	23.83	Average
4	0.276	10.38	0.03	9.85	17.28	37.54	60.94	23.40	QP
5	2.371	10.42	0.07	9.86	0.52	20.87	46.00	25.13	Average
6	2.371	10.42	0.07	9.86	11.52	31.87	56.00	24.13	QP
7	4.292	10.47	0.09	9.86	6.42	26.84	46.00	19.16	Average
8	4.292	10.47	0.09	9.86	15.27	35.69	56.00	20.31	QP
9	5.564	10.53	0.11	9.87	5.98	26.49	50.00	23.51	Average
10	5.564	10.53	0.11	9.87	17.98	38.49	60.00	21.51	QP
11	15.066	10.93	0.17	9.91	12.53	33.54	50.00	16.46	Average
12	15.066	10.93	0.17	9.91	18.22	39.23	60.00	20.77	QP

Remarks: 1. Emission Level= AMF 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	2022/03/21	Temp./Hum.	26°C/65%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu



Site No. : No.8 Shielded Room Data No. : 3
 Instrument 1 : Receiver ESR3(774)
 Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
 Limit : CLASS-B Phase : LIIE
 Environment : 26°C / 65% Engineer : Chucky Chiu
 EUT Model : 16U70Q Test Rating : 120Vac/60Hz
 Test Mode : Operating

	Freq. (MHz)	AMI Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.186	10.39	0.03	9.85	6.87	27.14	54.20	27.06	Average
2	0.186	10.39	0.03	9.85	19.14	39.41	64.20	24.79	QP
3	0.269	10.38	0.03	9.85	9.55	29.81	51.16	21.35	Average
4	0.269	10.38	0.03	9.85	17.49	37.75	61.16	23.41	QP
5	0.720	10.38	0.04	9.85	1.81	22.08	46.00	23.92	Average
6	0.720	10.38	0.04	9.85	10.55	30.82	56.00	25.18	QP
7	1.593	10.39	0.05	9.86	0.96	21.26	46.00	24.74	Average
8	1.593	10.39	0.05	9.86	11.17	31.47	56.00	24.53	QP
9	4.647	10.44	0.10	9.87	5.91	26.32	46.00	19.68	Average
10	4.647	10.44	0.10	9.87	15.45	35.86	56.00	20.14	QP
11	5.564	10.47	0.11	9.87	6.30	26.75	50.00	23.25	Average
12	5.564	10.47	0.11	9.87	16.38	36.83	60.00	23.17	QP

Remarks: 1. Emission Level= AMI 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	2022/03/16~21	Temp./Hum.	19~23°C/52~76%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Hua Wu

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
------	------	-----------	------------

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
62.980	12.19	1.77	26.42	37.80	25.34	40.00	14.66	Peak
152.220	16.17	2.88	26.00	45.90	38.95	43.50	4.55	Peak
317.120	19.50	4.53	25.85	44.87	43.05	46.00	2.95	Peak
596.480	24.28	6.76	27.43	33.21	36.82	46.00	9.18	Peak
888.450	26.26	8.37	27.06	34.61	42.18	46.00	3.82	Peak
983.510	26.99	8.88	26.72	28.66	37.81	54.00	16.19	Peak

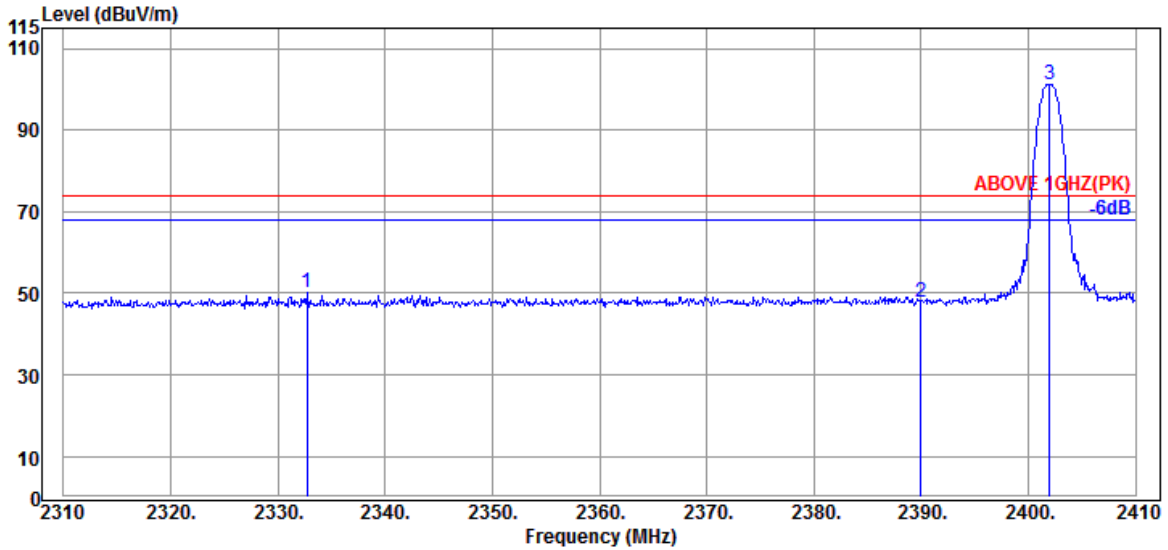
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
62.010	12.19	1.76	26.42	48.53	36.06	40.00	3.94	Peak
152.220	16.17	2.88	26.00	43.12	36.17	43.50	7.33	Peak
245.340	17.92	3.80	25.75	46.28	42.25	46.00	3.75	Peak
593.570	24.23	6.75	27.42	34.85	38.41	46.00	7.59	Peak
847.710	26.12	8.12	27.18	36.44	43.50	46.00	2.50	Peak
968.960	26.88	8.81	26.79	29.09	37.99	54.00	16.01	Peak

A.2.1.3 Frequency Above 1 GHz to 10th harmonics

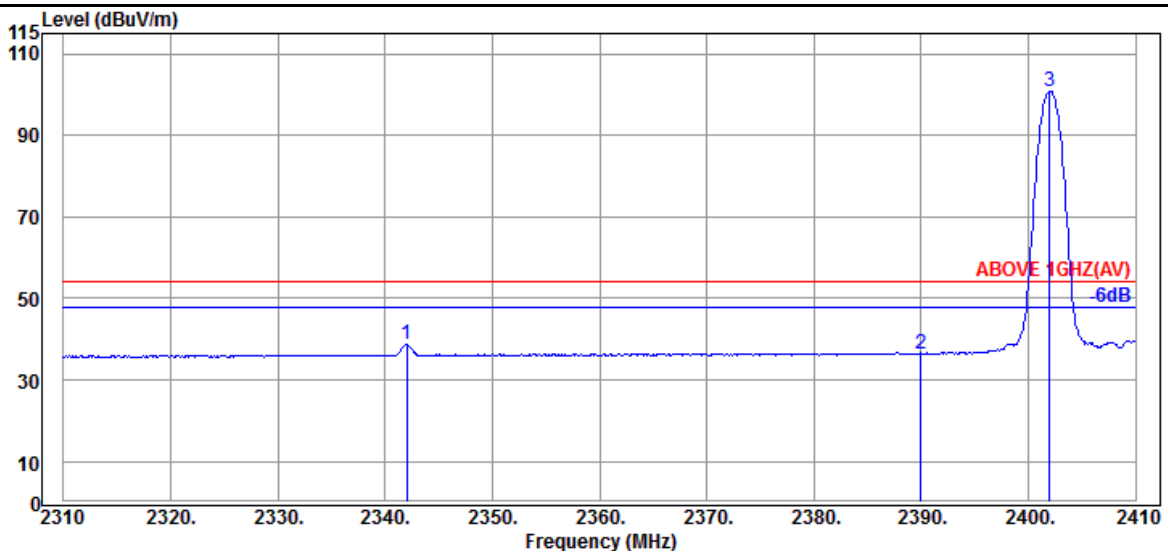
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
------	------	-----------	------------



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2332.700	28.05	5.93	34.52	50.54	50.00	74.00	24.00	Peak
2390.000	28.27	6.04	34.54	47.94	47.71	74.00	26.29	Peak
@ 2402.000	28.30	6.04	34.54	101.25	101.05	---	---	Peak

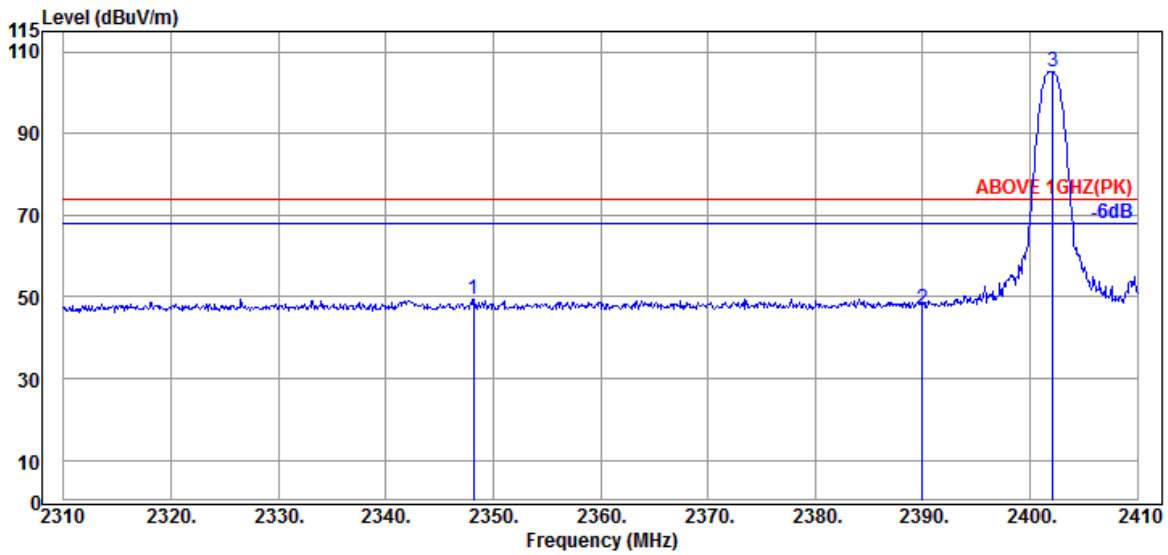


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.000	28.10	5.96	34.53	39.09	38.62	54.00	15.38	Average
2390.000	28.27	6.04	34.54	36.59	36.36	54.00	17.64	Average
@ 2402.000	28.30	6.04	34.54	101.08	100.88	---	---	Average

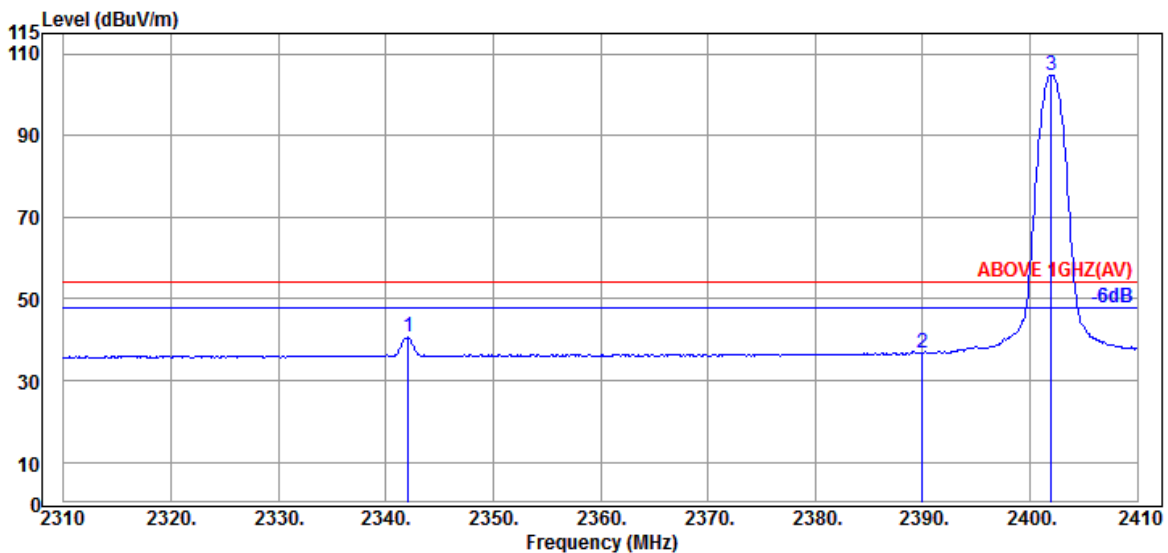
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2402MHz
------	------	-----------	------------



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2348.200	28.15	5.96	34.53	49.99	49.57	74.00	24.43	Peak
2390.000	28.27	6.04	34.54	47.32	47.09	74.00	26.91	Peak
@ 2402.100	28.30	6.04	34.54	105.32	105.12	---	---	Peak

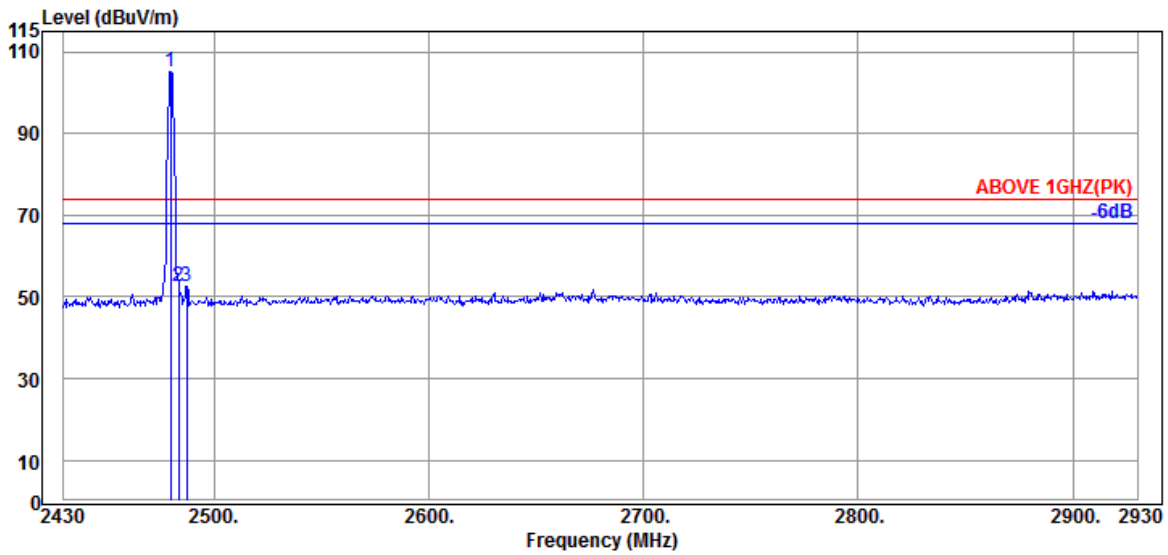


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.100	28.10	5.96	34.53	41.22	40.75	54.00	13.25	Average
2390.000	28.27	6.04	34.54	37.03	36.80	54.00	17.20	Average
@ 2402.000	28.30	6.04	34.54	105.10	104.90	---	---	Average

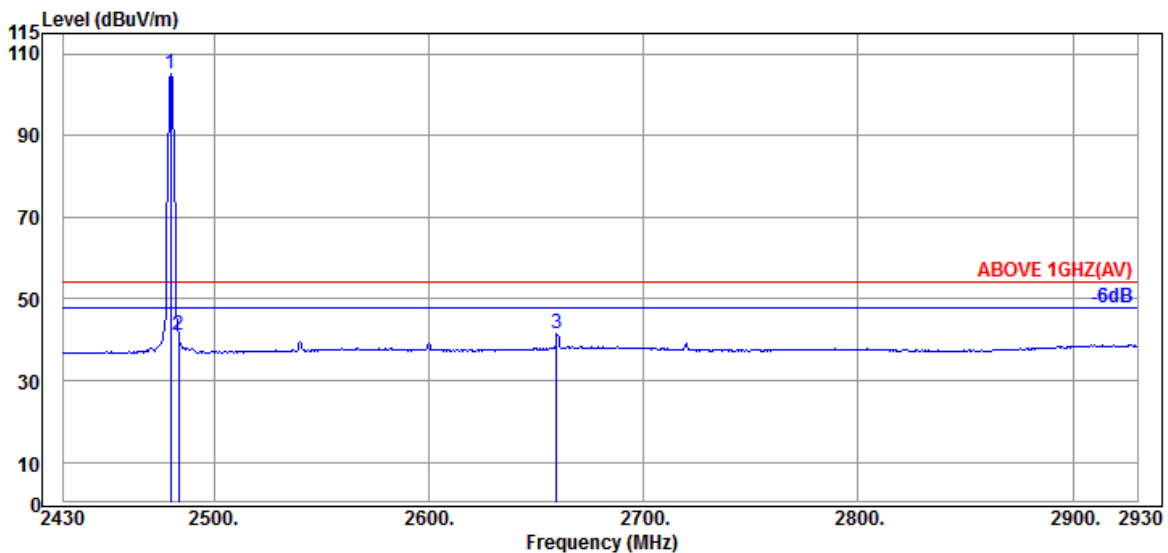
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2480MHz
------	------	-----------	------------



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	104.93	105.12	---	---	Peak
2483.500	28.57	6.18	34.55	52.35	52.55	74.00	21.45	Peak
2487.500	28.57	6.21	34.55	52.29	52.52	74.00	21.48	Peak

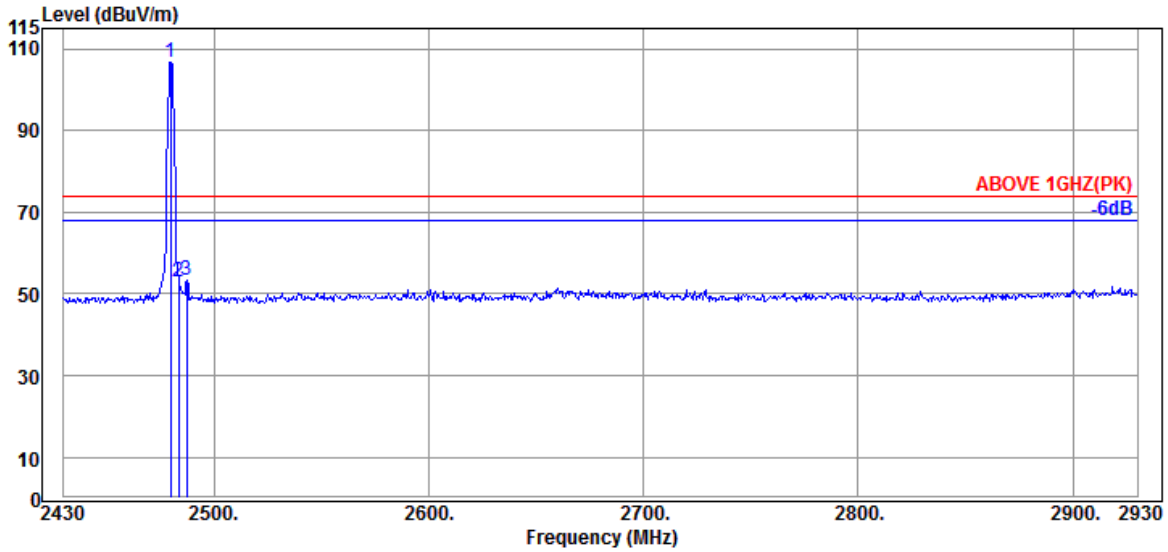


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	104.73	104.92	---	---	Average
2483.500	28.57	6.18	34.55	40.86	41.06	54.00	12.94	Average
2659.500	28.93	6.43	34.59	40.78	41.55	54.00	12.45	Average

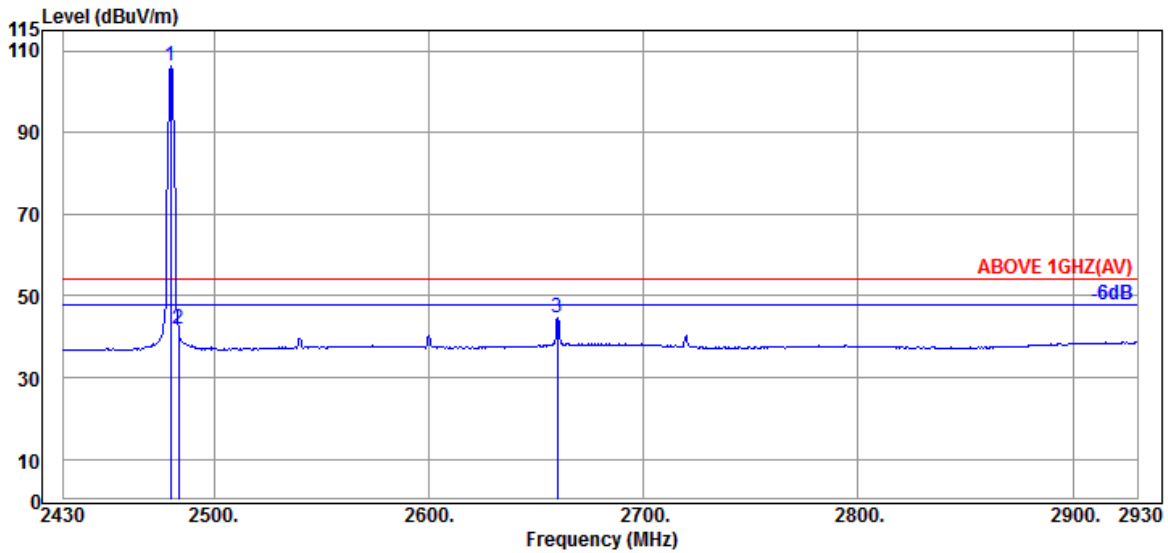
Remark: The "@" means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2480MHz
------	------	-----------	------------



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	106.33	106.52	---	---	Peak
2483.500	28.57	6.18	34.55	52.94	53.14	74.00	20.86	Peak
2487.500	28.57	6.21	34.55	53.07	53.30	74.00	20.70	Peak

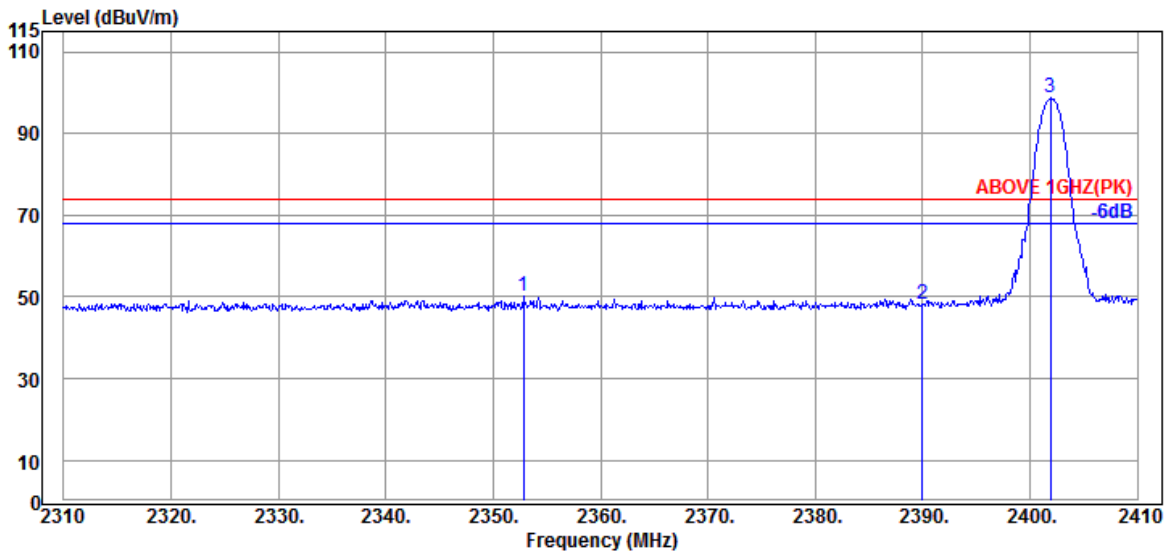


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	105.95	106.14	---	---	Average
2483.500	28.57	6.18	34.55	41.64	41.84	54.00	12.16	Average
2660.000	28.93	6.43	34.59	43.95	44.72	54.00	9.28	Average

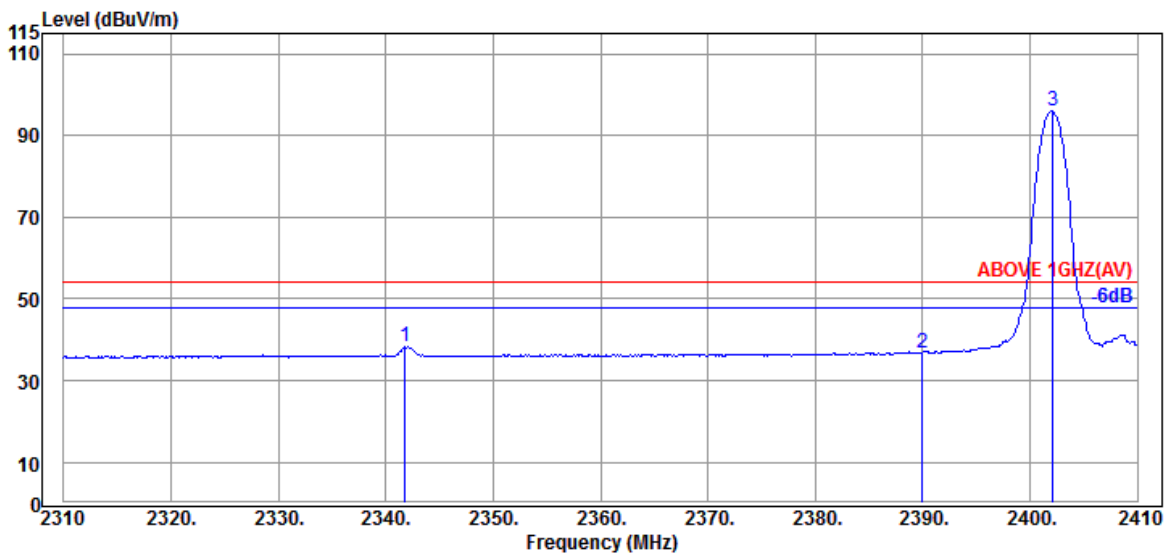
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	8-DPSK	Frequency	TX 2402MHz
------	--------	-----------	------------



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2352.800	28.20	5.98	34.53	50.34	49.99	74.00	24.01	Peak
2390.000	28.27	6.04	34.54	48.44	48.21	74.00	25.79	Peak
@ 2401.900	28.30	6.04	34.54	98.88	98.68	---	---	Peak

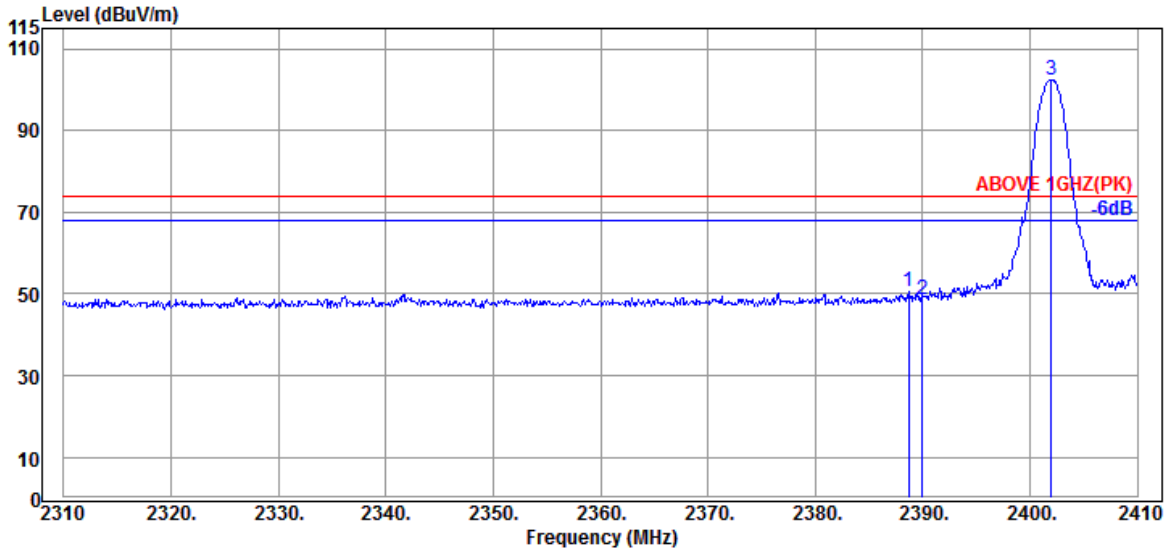


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2341.800	28.10	5.96	34.53	38.70	38.23	54.00	15.77	Average
2390.000	28.27	6.04	34.54	37.12	36.89	54.00	17.11	Average
@ 2402.100	28.30	6.04	34.54	96.12	95.92	---	---	Average

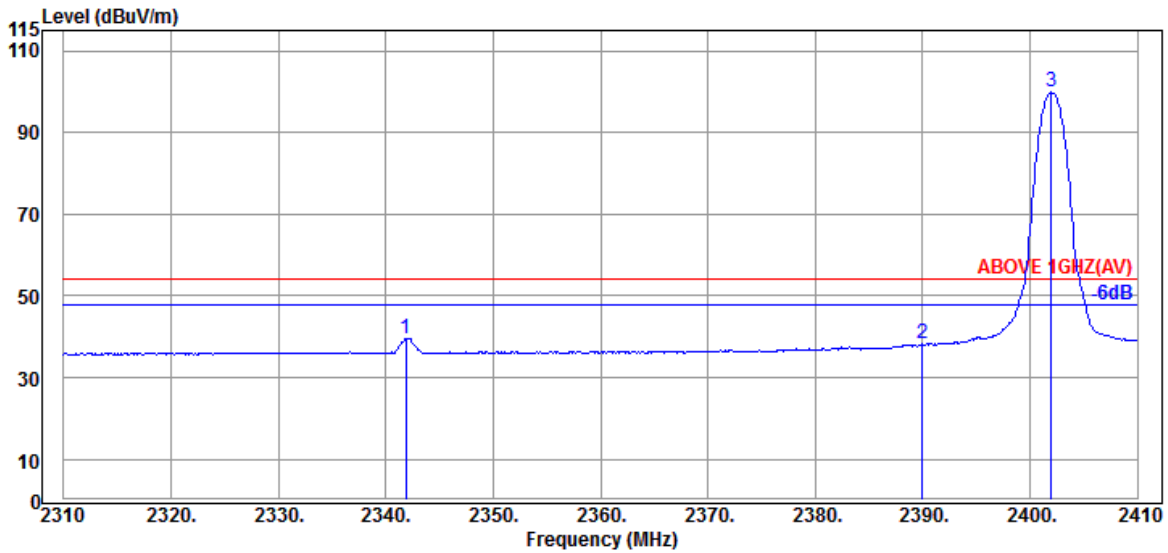
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	8-DPSK	Frequency	TX 2402MHz
------	--------	-----------	------------



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.700	28.27	6.04	34.53	50.94	50.72	74.00	23.28	Peak
2390.000	28.27	6.04	34.54	48.92	48.69	74.00	25.31	Peak
@ 2402.000	28.30	6.04	34.54	102.72	102.52	---	---	Peak

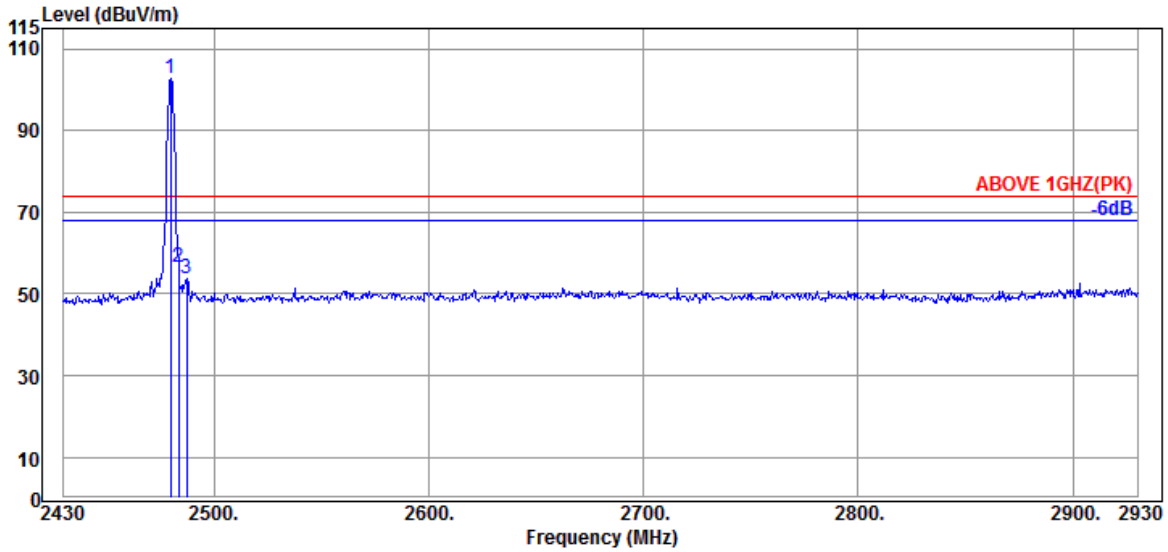


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2341.900	28.10	5.96	34.53	40.13	39.66	54.00	14.34	Average
2390.000	28.27	6.04	34.54	38.43	38.20	54.00	15.80	Average
@ 2402.000	28.30	6.04	34.54	100.02	99.82	---	---	Average

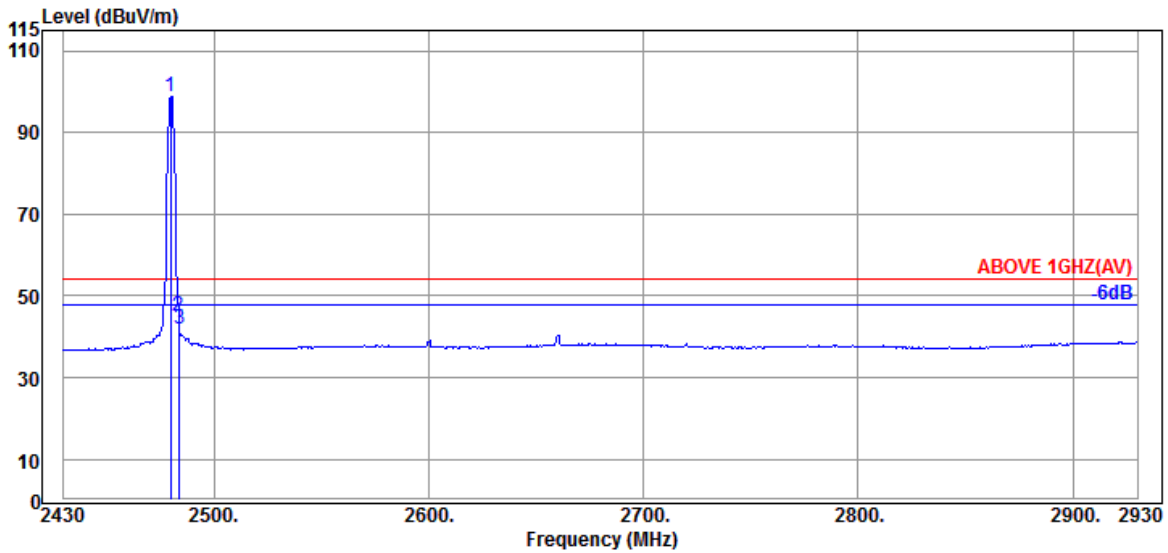
Remark: The “@” means fundamental frequency, it is ignored in this section.

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



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	102.52	102.71	---	---	Peak
2483.500	28.57	6.18	34.55	56.49	56.69	74.00	17.31	Peak
2487.500	28.57	6.21	34.55	53.33	53.56	74.00	20.44	Peak

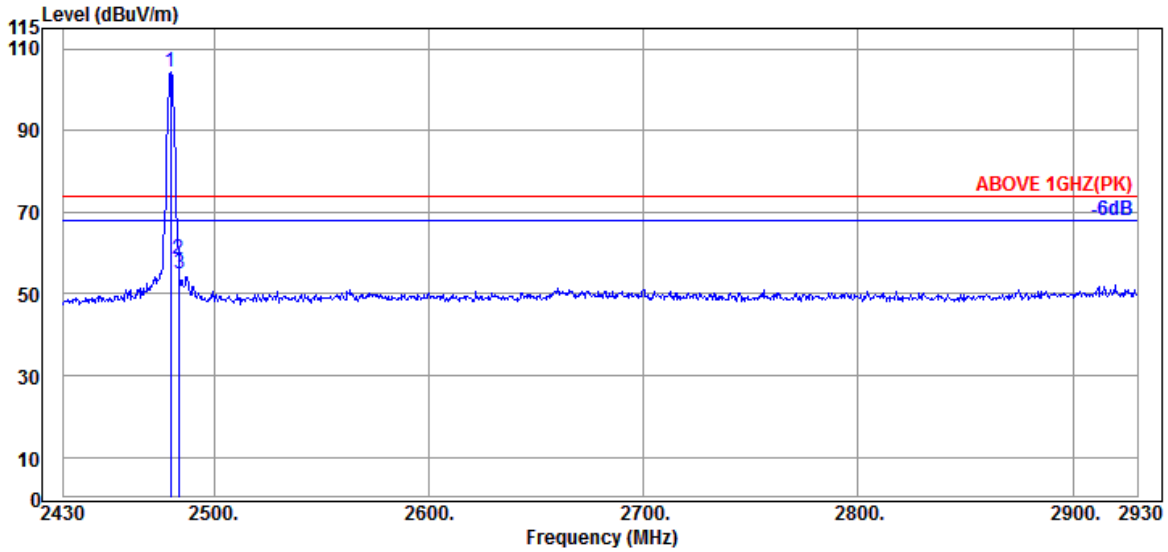


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	98.75	98.94	---	---	Average
2483.500	28.57	6.18	34.55	44.79	44.99	54.00	9.01	Average
2484.000	28.57	6.18	34.55	41.59	41.79	54.00	12.21	Average

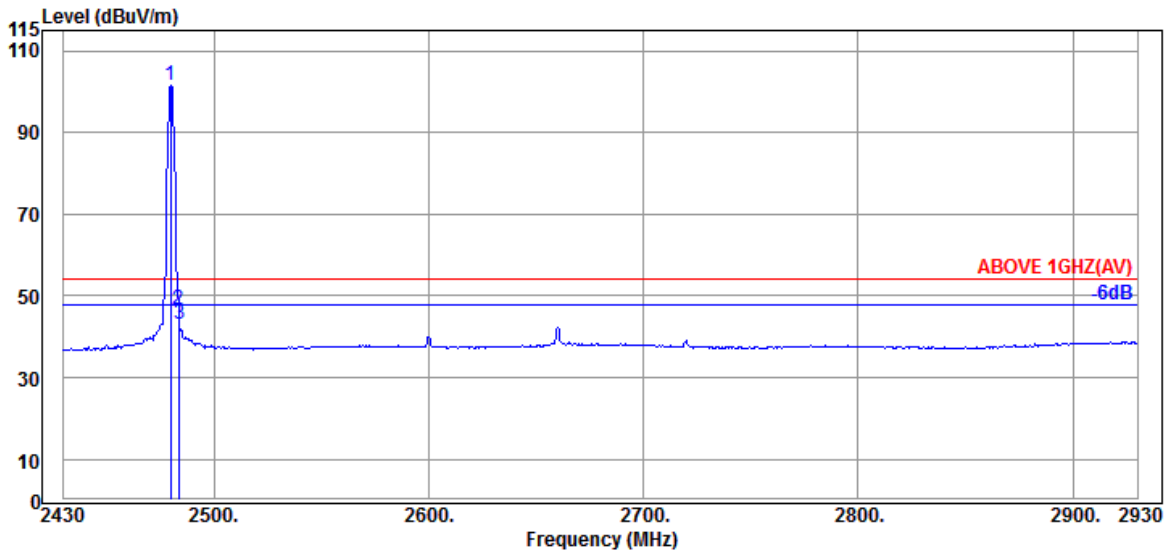
Remark: The “@” means fundamental frequency, it is ignored in this section.

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



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	104.02	104.21	---	---	Peak
2483.500	28.57	6.18	34.55	58.34	58.54	74.00	15.46	Peak
2484.000	28.57	6.18	34.55	54.68	54.88	74.00	19.12	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.56	6.18	34.55	101.50	101.69	---	---	Average
2483.500	28.57	6.18	34.55	46.41	46.61	54.00	7.39	Average
2484.000	28.57	6.18	34.55	42.70	42.90	54.00	11.10	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
------	------	-----------	------------

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4804.000	33.30	8.68	34.44	34.61	42.15	54.00	11.85	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4804.000	33.30	8.68	34.44	32.60	40.14	54.00	13.86	Peak

Mode	GFSK	Frequency	TX 2441MHz
------	------	-----------	------------

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4882.000	33.40	8.72	34.43	32.74	40.43	54.00	13.57	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4882.000	33.40	8.72	34.43	33.08	40.77	54.00	13.23	Peak

Mode	GFSK	Frequency	TX 2480MHz
------	------	-----------	------------

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4960.000	33.55	8.77	34.41	32.50	40.41	54.00	13.59	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector
4960.000	33.55	8.77	34.41	32.44	40.35	54.00	13.65	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

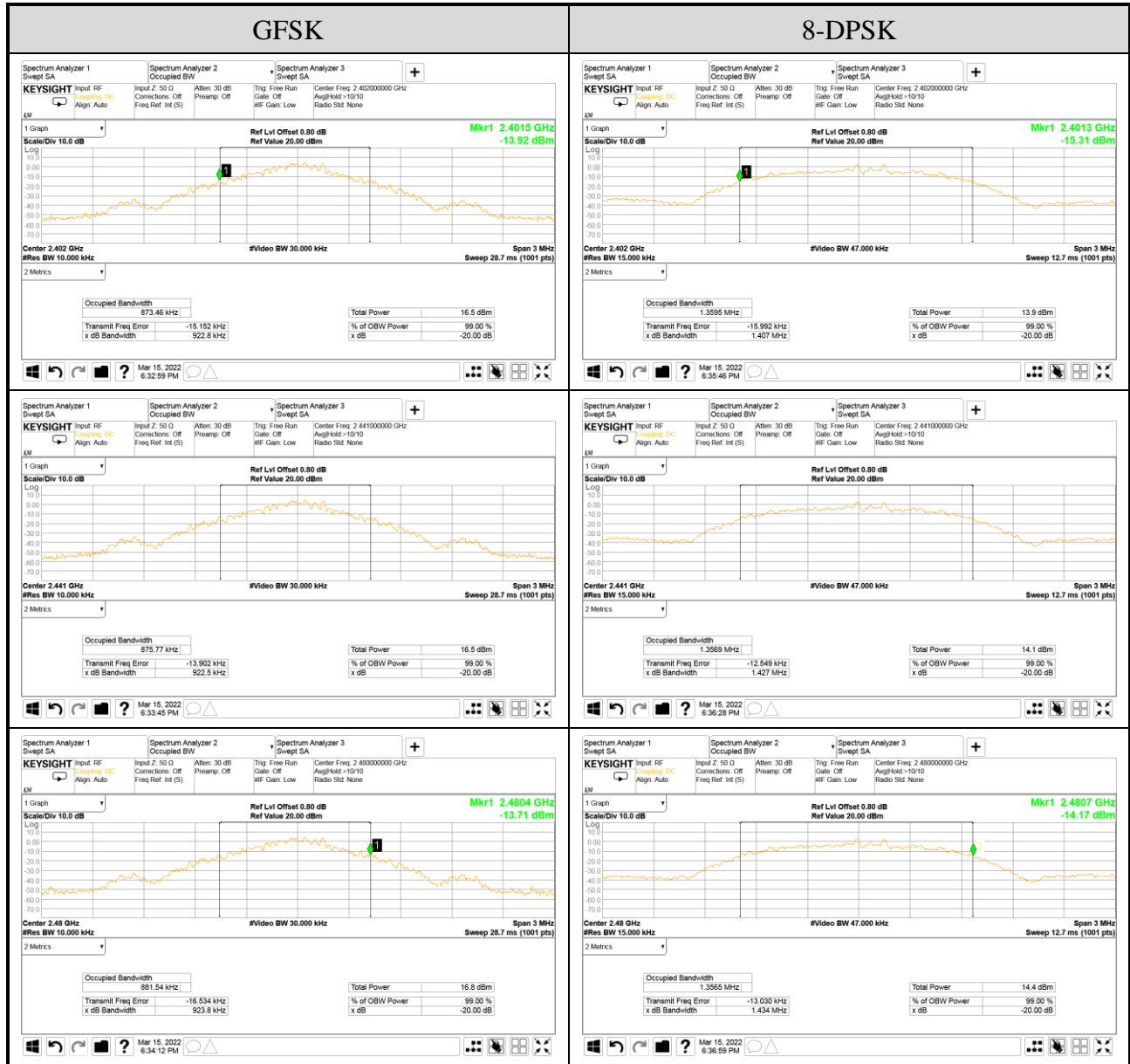
Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.3.1 20dB Bandwidth Result

Mode	Centre Frequency (MHz)	Bandwidth (MHz)		2/3 (20dB Bandwidth)
		20dB	99% Occupied	
GFSK	2402	0.9228	0.87346	0.615
	2441	0.9225	0.87577	0.615
	2480	0.9238	0.88154	0.616
8-DPSK	2402	1.407	1.3595	0.938
	2441	1.427	1.3569	0.951
	2480	1.434	1.3565	0.956

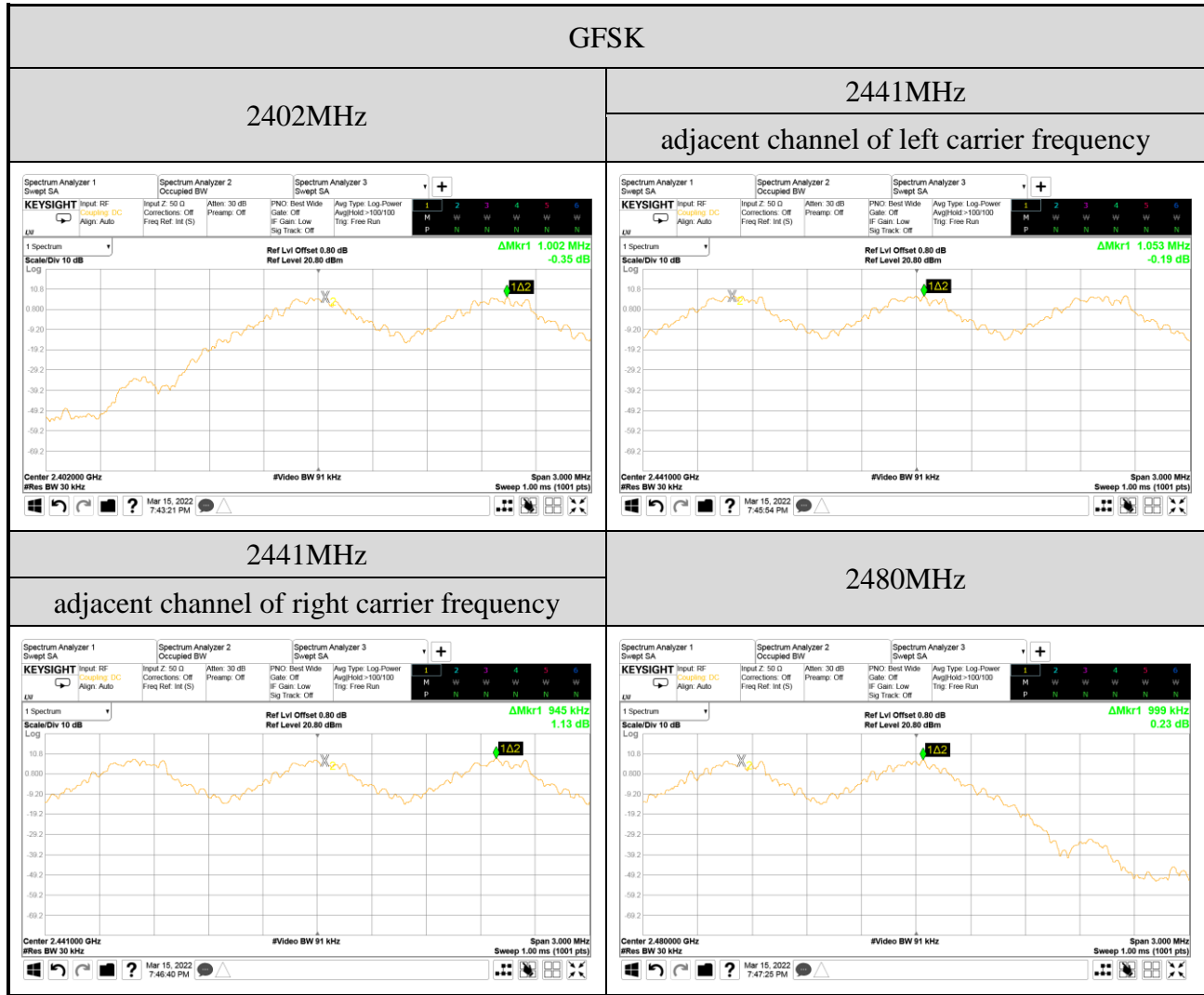
Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

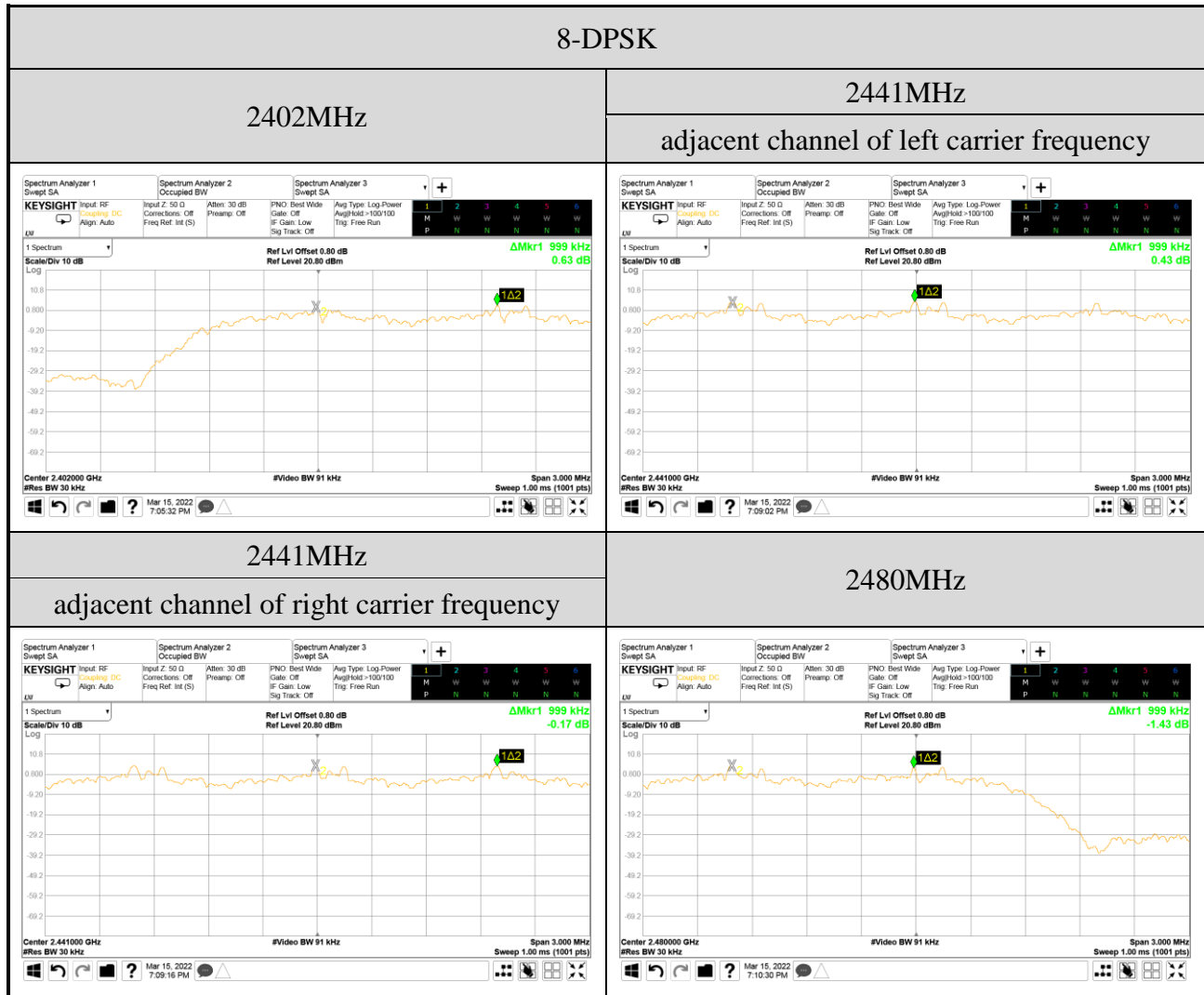
A.3.2 Measurement Plots



A.4 CARRIER FREQUENCY SEPARATION

Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		





A.5 TIME OF OCCUPANCY

Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
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	0.380	120.080	<400
		DH3	3	1.630	154.524	<400
		DH5	1	2.880	91.008	<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 3 transmission appearance, the longest time of occupancy is
 3 transmission * 31.6 seconds * 1.630 ms = 154.524 ms (<400ms)

DH5 Mode

For each second of 1 transmission appearance, the longest time of occupancy is
 1 transmission * 31.6 seconds * 2.880 ms = 91.008 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	0.380	120.080	<400
		DH3	3	1.640	155.472	<400
		DH5	1	2.895	91.482	<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 3 transmission appearance, the longest time of occupancy is
 3 transmission * 31.6 seconds * 1.640 ms = 155.472 ms (<400ms)

DH5 Mode

For each second of 1 transmission appearance, the longest time of occupancy is
 1 transmission * 31.6 seconds * 2.895 ms = 91.482 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	3	1.630	154.524	<400
		DH5	1	2.880	91.008	<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
 $10 \text{ transmission} * 31.6 \text{ seconds} * 0.380 \text{ ms} = 120.080 \text{ ms} (<400\text{ms})$

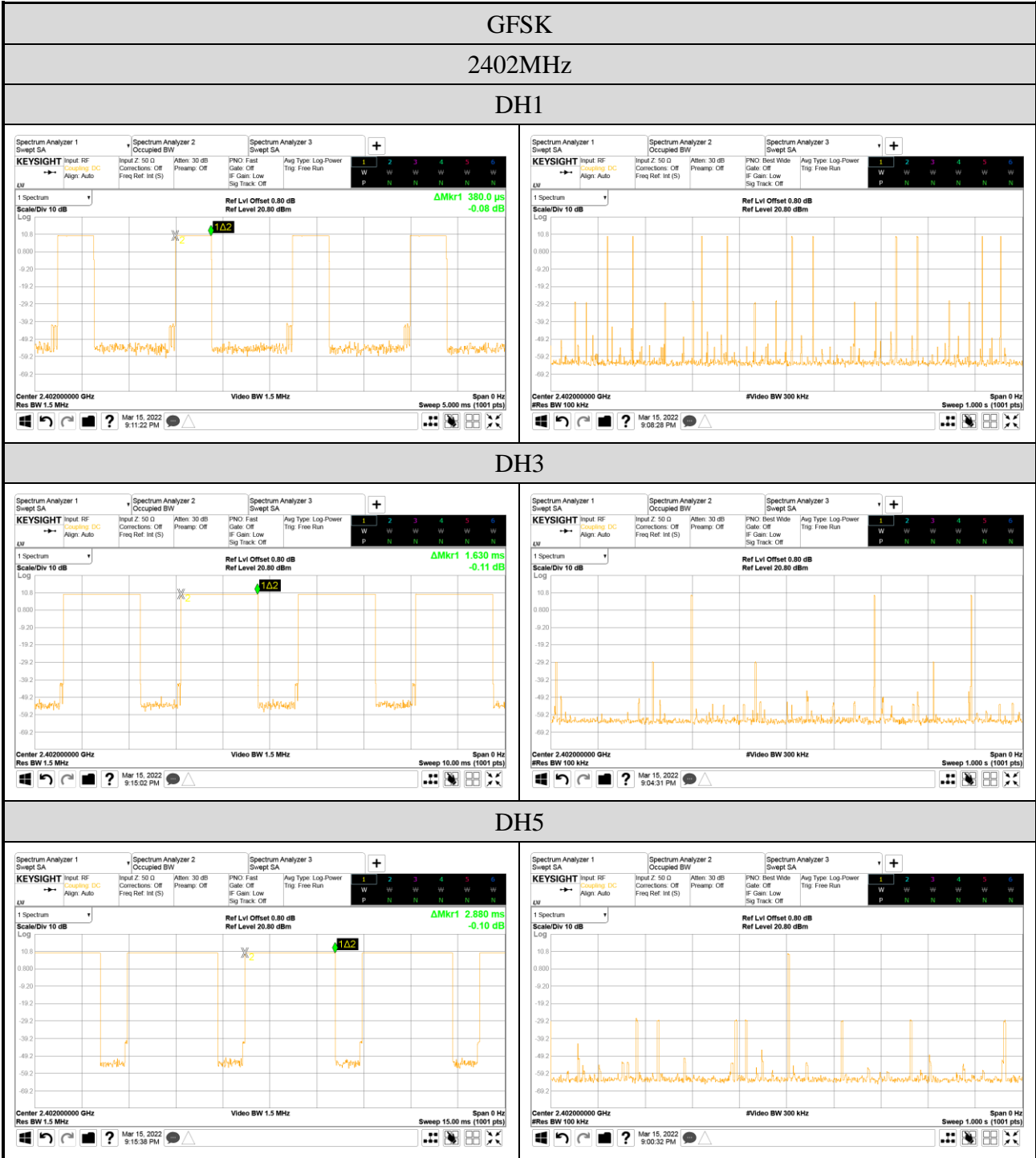
DH3 Mode

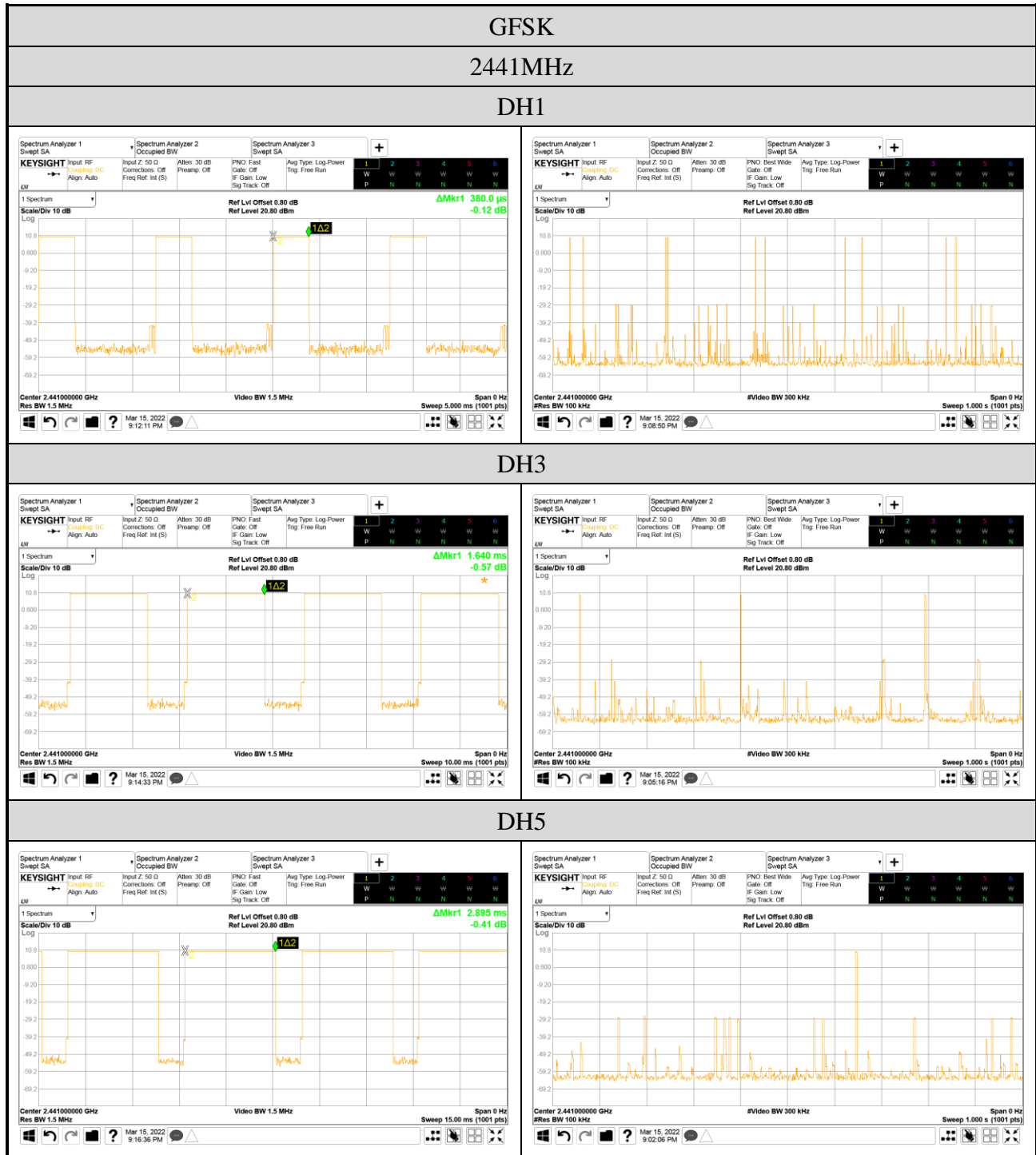
For each second of **3** transmission appearance, the longest time of occupancy is
 $3 \text{ transmission} * 31.6 \text{ seconds} * 1.630 \text{ ms} = 154.524 \text{ ms} (<400\text{ms})$

DH5 Mode

For each second of **1** transmission appearance, the longest time of occupancy is
 $1 \text{ transmission} * 31.6 \text{ seconds} * 2.880 \text{ ms} = 91.008 \text{ ms} (<400\text{ms})$

● Measurement Plots

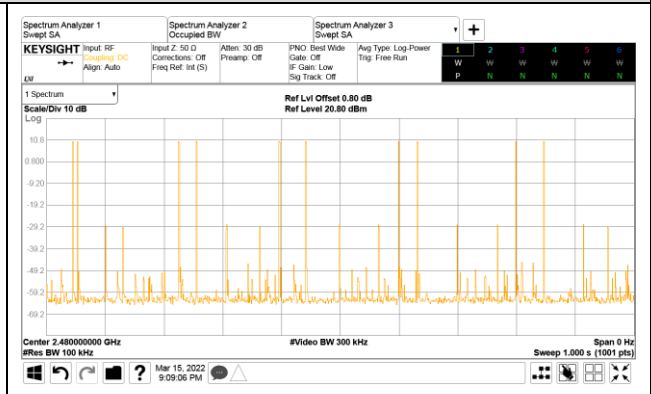
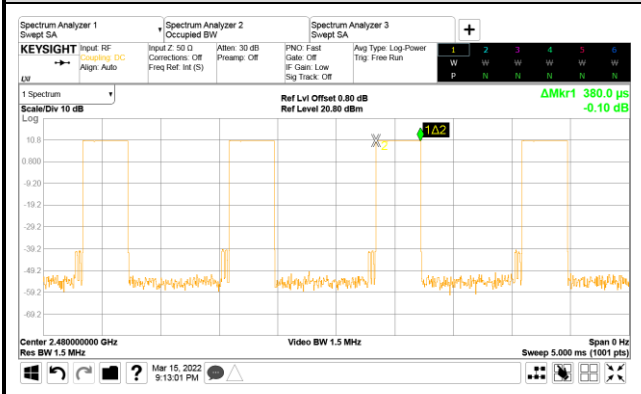




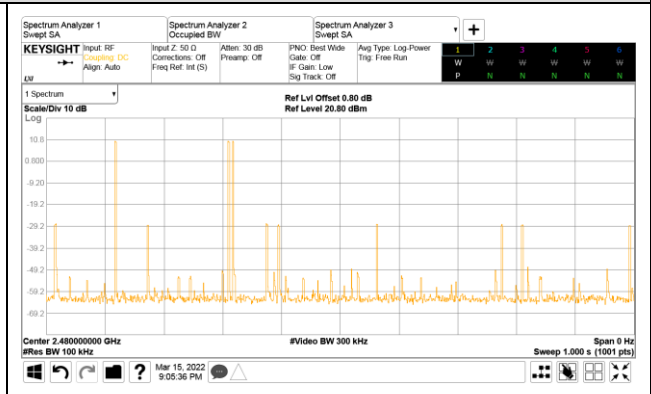
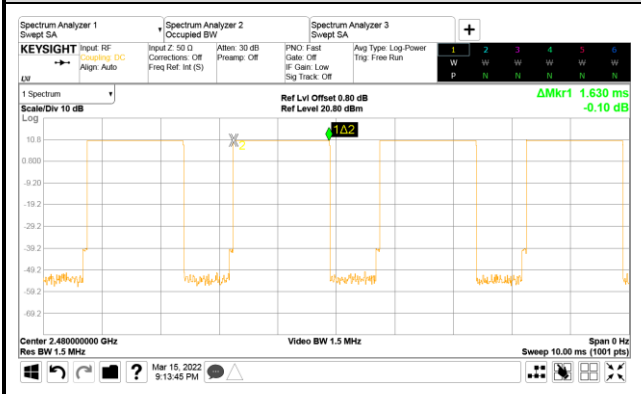
GFSK

2480MHz

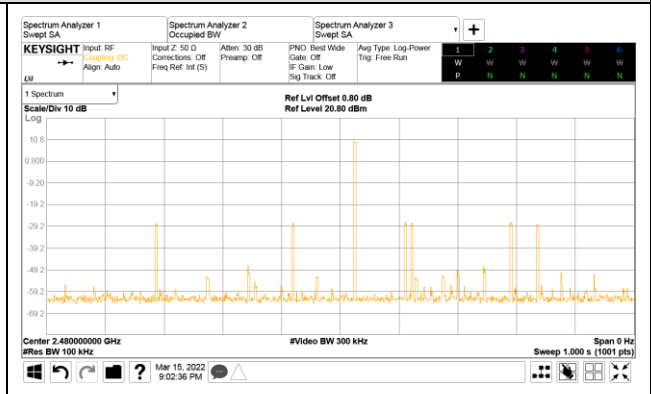
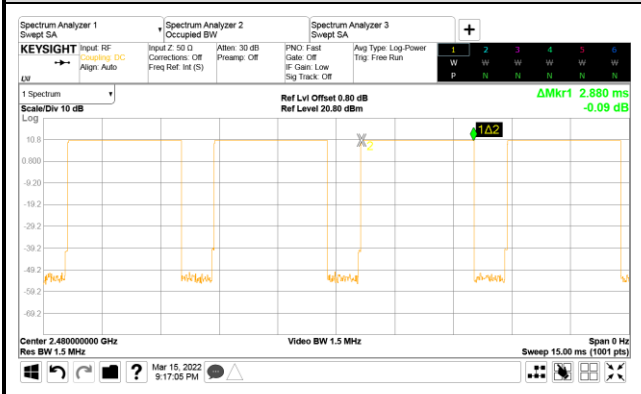
DH1



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	0.390	123.240	<400
		3DH3	3	1.640	155.472	<400
		3DH5	1	2.895	91.482	<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 **3** transmission appearance,the longest time of occupancy is
3 transmission* **31.6** seconds* **1.640** ms= **155.472** ms (<400ms)

3DH5 Mode

For each second of **1** transmission appearance,the longest time of occupancy is
1 transmission* **31.6** seconds* **2.895** ms= **91.482** 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	0.390	123.240	<400
		3DH3	3	1.640	155.472	<400
		3DH5	1	2.895	91.482	<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 **3** transmission appearance,the longest time of occupancy is
3 transmission* **31.6** seconds* **1.640** ms= **155.472** ms (<400ms)

3DH5 Mode

For each second of **1** transmission appearance,the longest time of occupancy is
1 transmission* **31.6** seconds* **2.895** ms= **91.482** 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	0.390	123.240	<400
		3DH3	3	1.640	155.472	<400
		3DH5	1	2.895	91.482	<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)

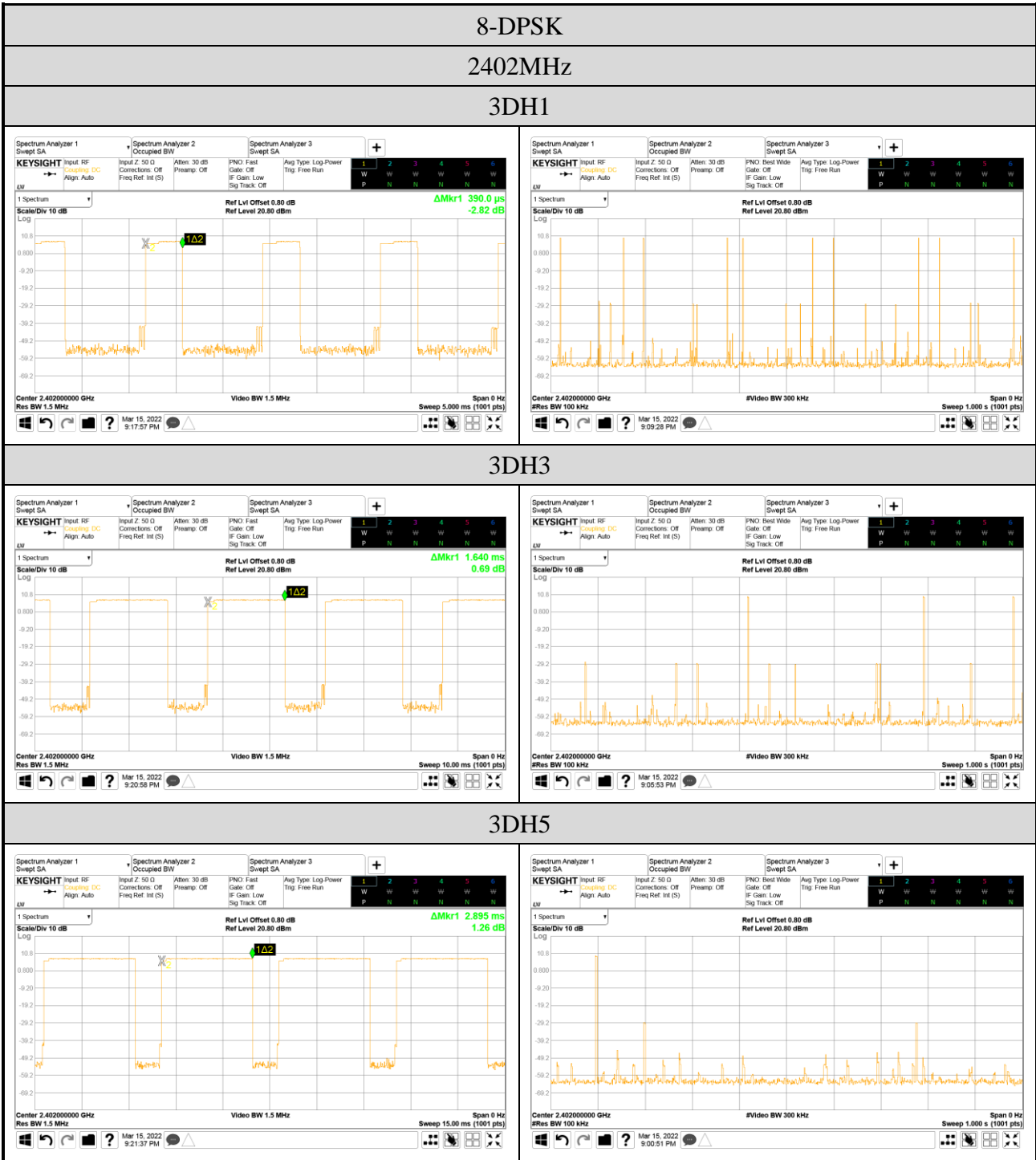
3DH3 Mode

For each second of **3** transmission appearance, the longest time of occupancy is
3 transmission * **31.6** seconds * **1.640** ms = **155.472** ms (<400ms)

3DH5 Mode

For each second of **1** transmission appearance, the longest time of occupancy is
1 transmission * **31.6** seconds * **2.895** ms = **91.482** ms (<400ms)

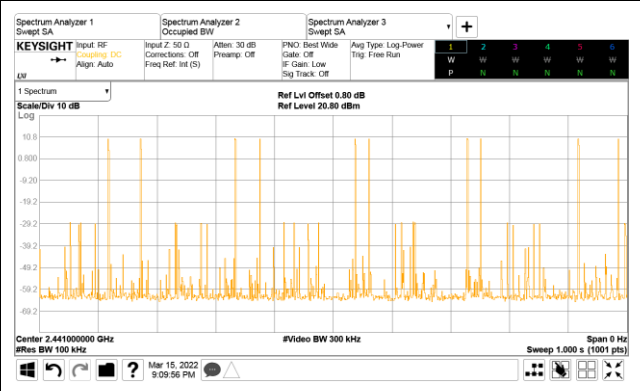
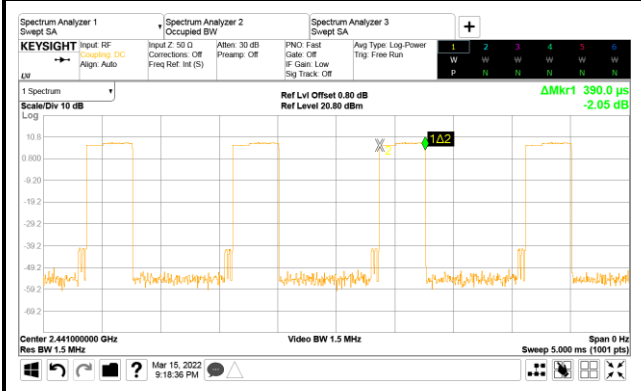
● Measurement Plots



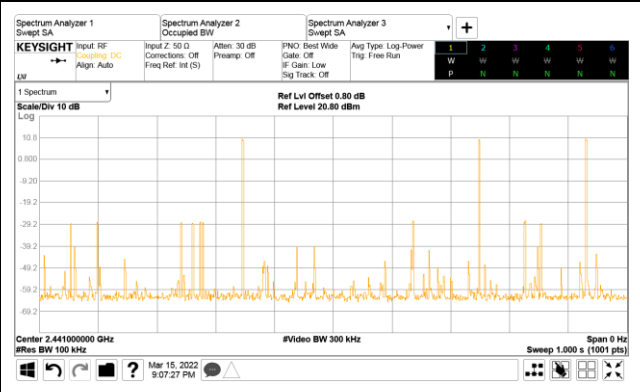
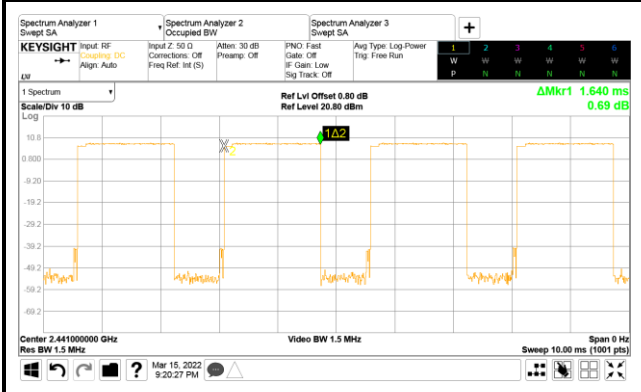
8-DPSK

2441MHz

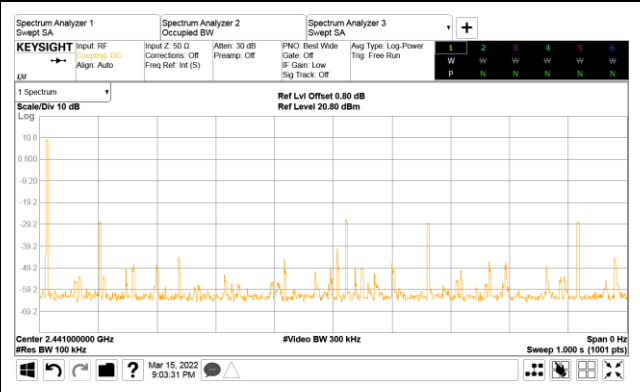
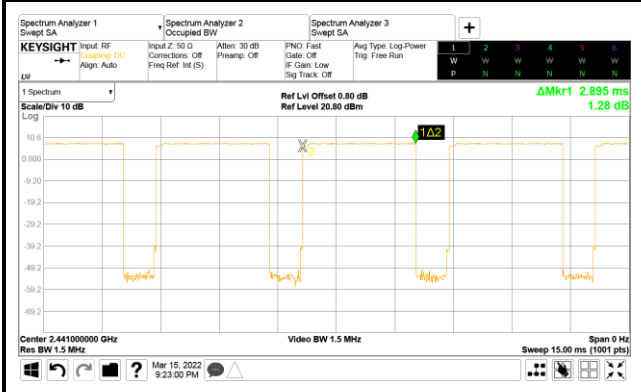
3DH1



3DH3



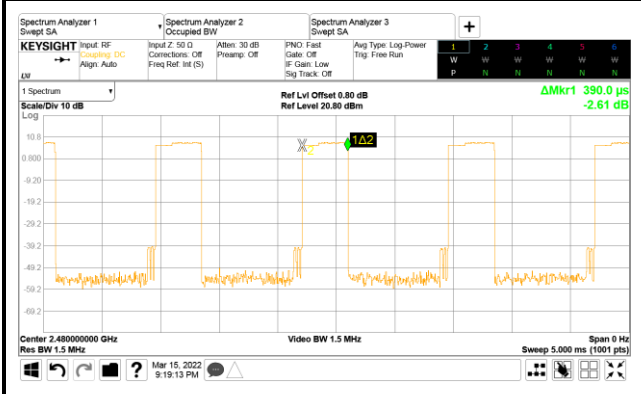
3DH5



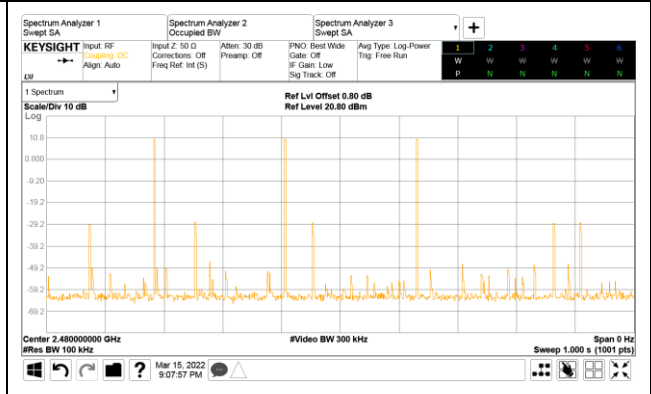
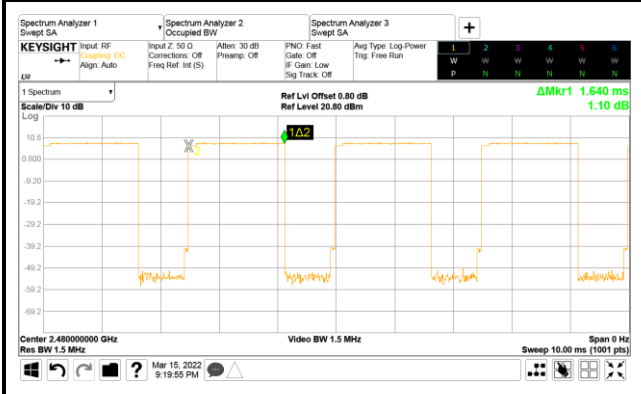
8-DPSK

2480MHz

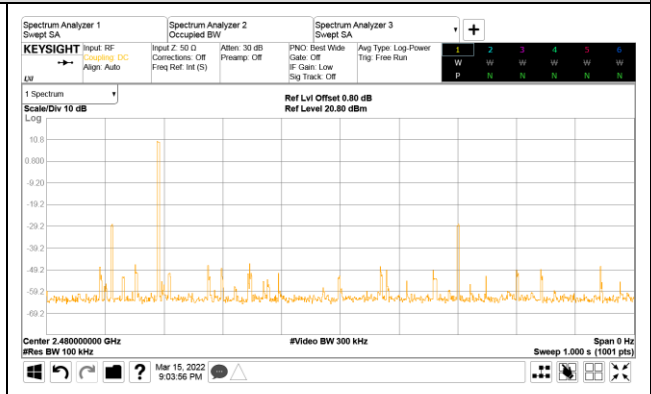
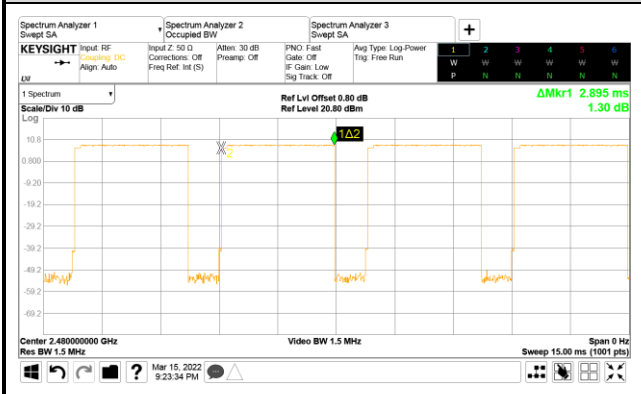
3DH1



3DH3



3DH5



A.6 NUMBER OF HOPPING CHANNELS

Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

Mode: GFSK	Mode: 8-DPSK
The number hopping channel is 79.	The number hopping channel is 79.

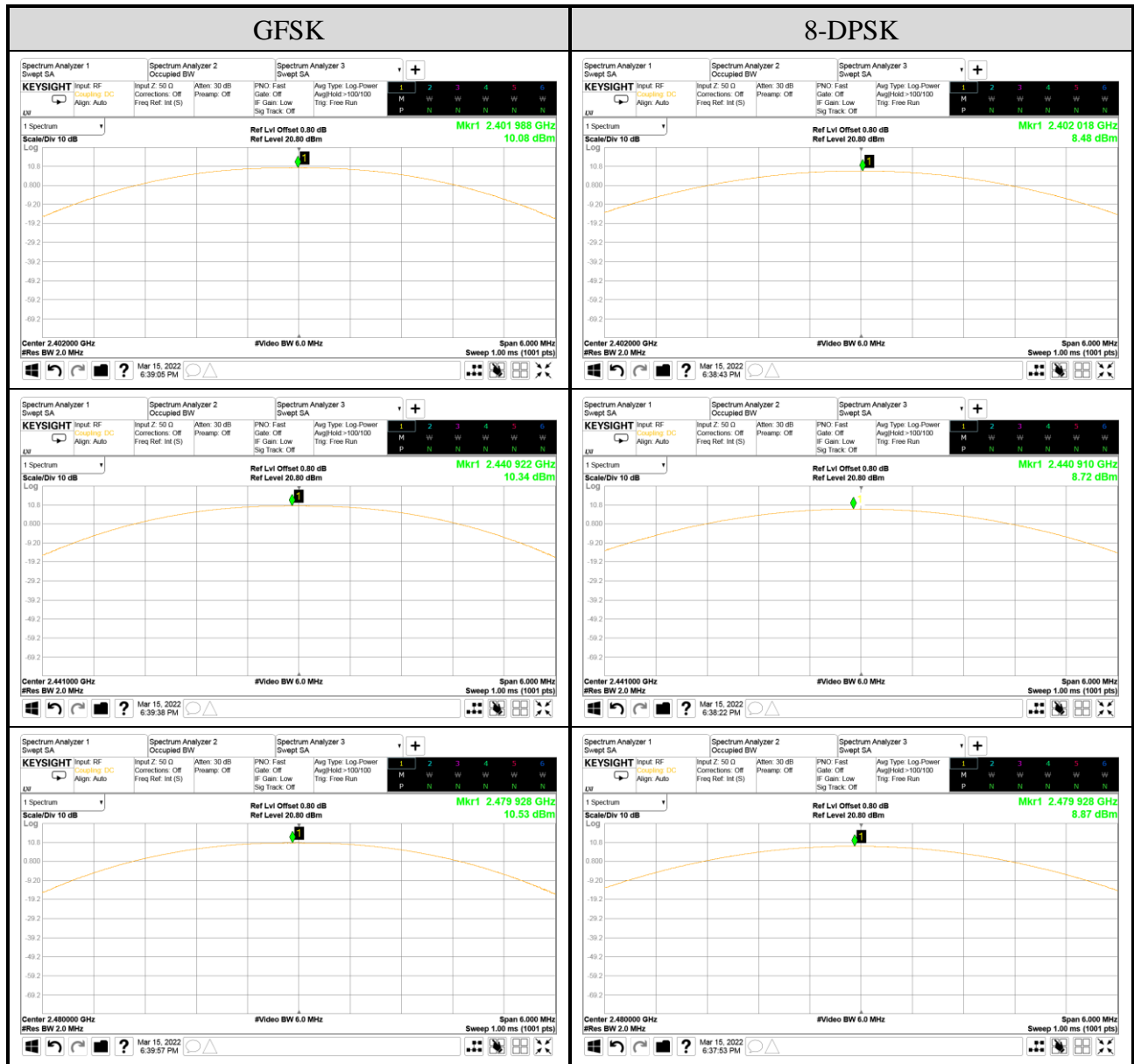
A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
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	10.08	0.010	21dBm (0.125W)
	2441	10.34	0.011	
	2480	10.53	0.011	
8-DPSK	2402	8.48	0.007	
	2441	8.72	0.007	
	2480	8.87	0.008	

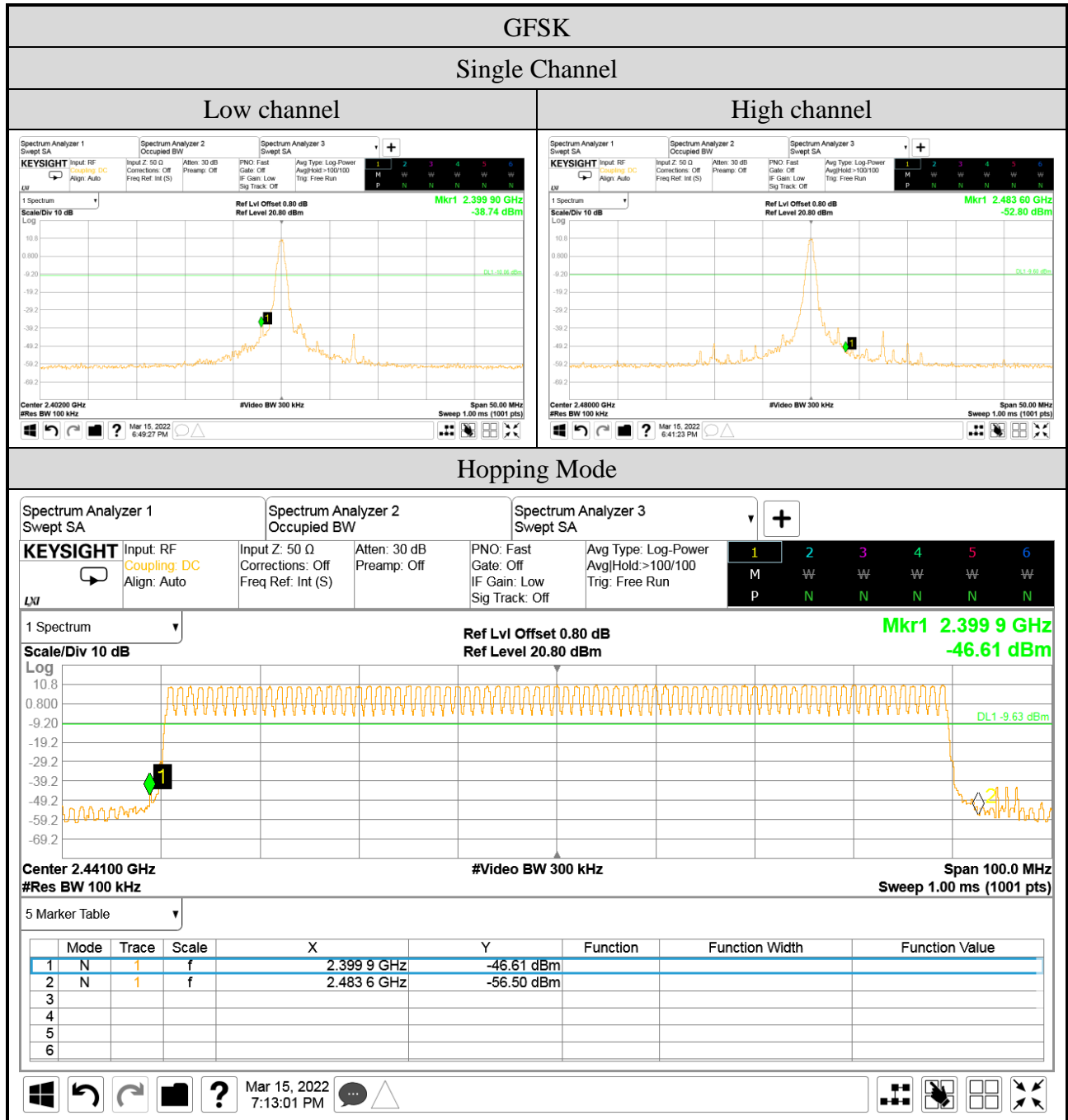
A.7.2 Measurement Plots



A.8 EMISSION LIMITATIONS MEASUREMENT

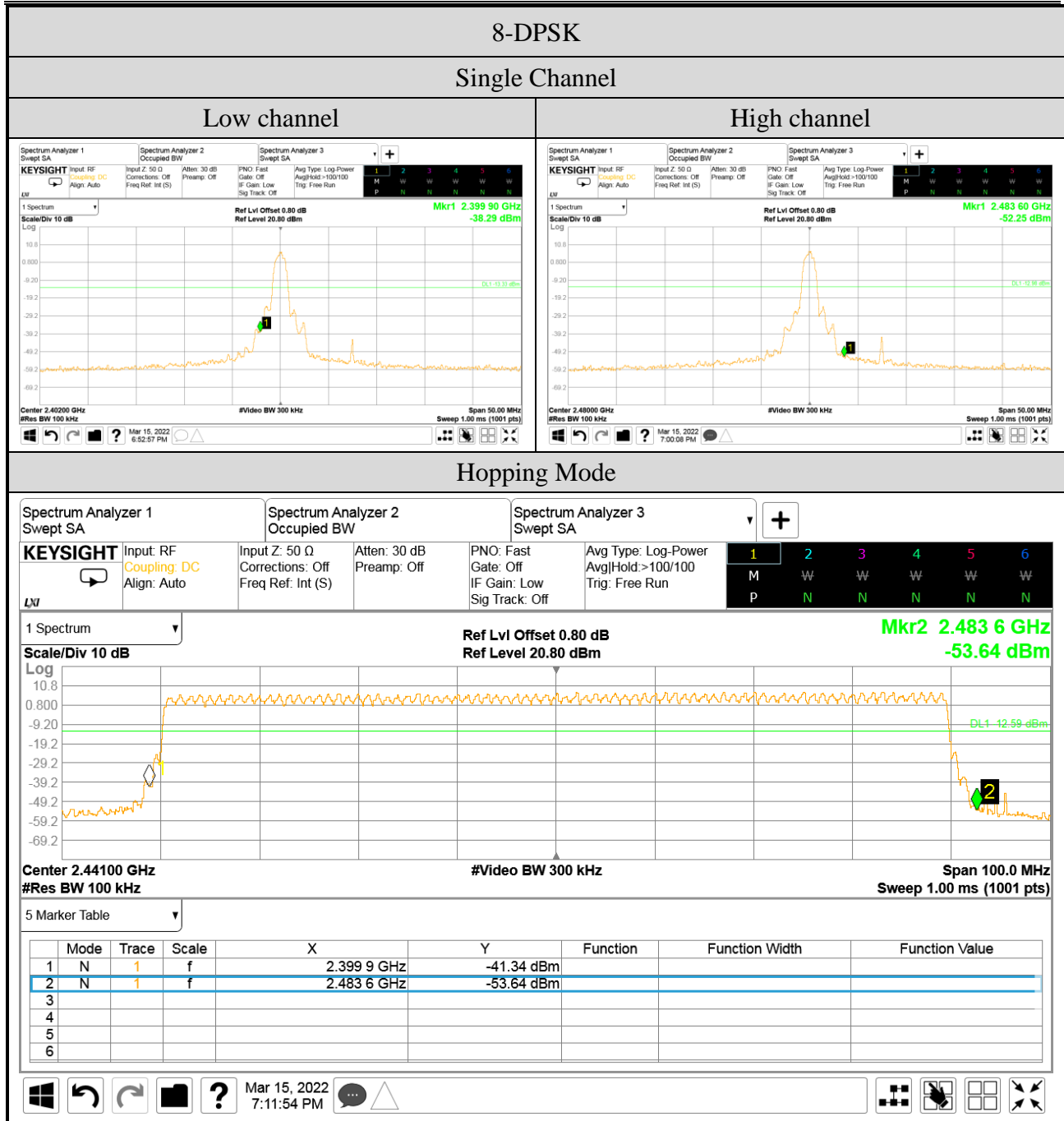
Test Date	2022/03/15	Temp./Hum.	23°C/58%
Cable Loss	0.80dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



A.8.2 Spurious Emission



Note: All results have been included cable loss.



Note: All results have been included cable loss.



Note: All results have been included cable loss.