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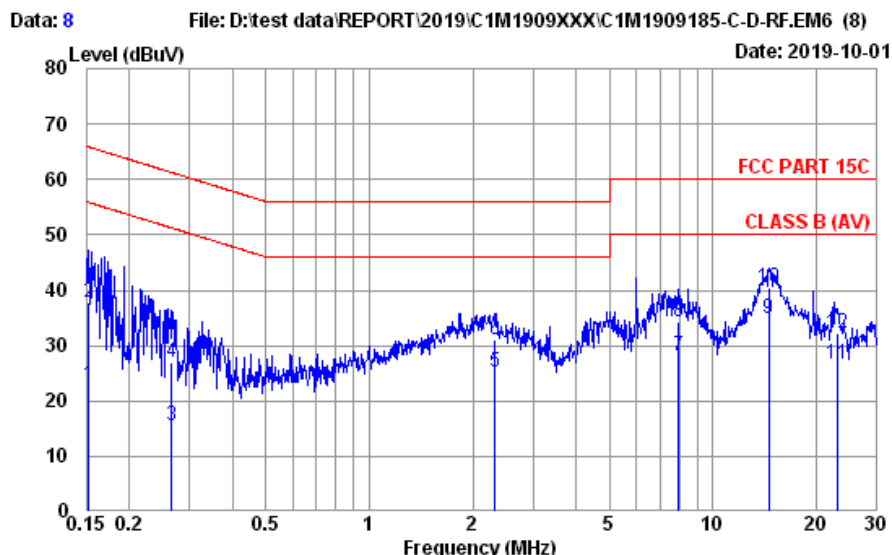
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Audix Technology Corp.
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A.1 CONDUCTED EMISSION

Test Date	2019/10/01	Temp./Hum.	24°C/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu
Tested SKU	SKU #1	Test Model	14Z90N



Site no. : No.8 Shielded Room Data no. : 8
Condition : ENV4200 100169 LISN Phase : NEUTRAL
Limit : FCC PART 15C
Env. / Ins. : 24°C / 57% ESR3 (1774) Engineer : Chucky Chiu
EUT : 14Z90N
Power Rating : 120Vac/60Hz
Test Mode : Operating

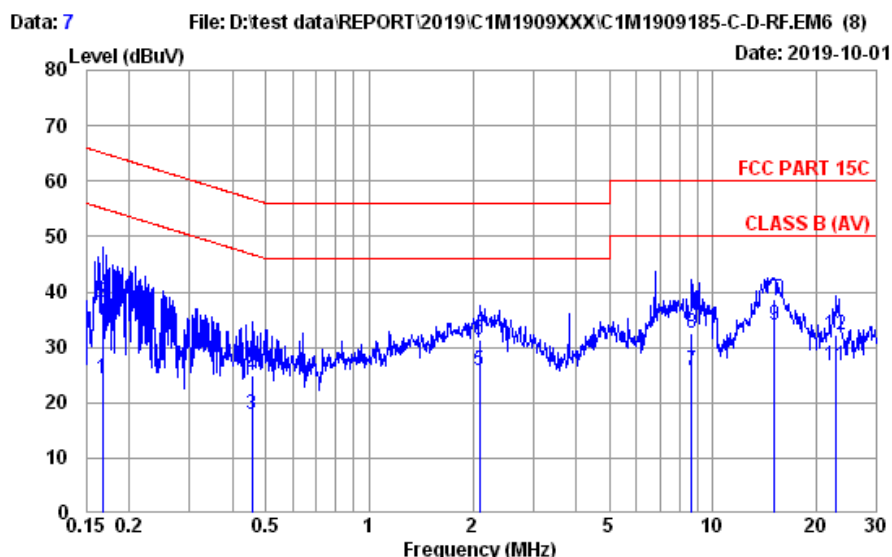
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.152	10.70	0.04	9.86	2.22	22.82	55.87	33.05	Average
2	0.152	10.70	0.04	9.86	17.14	37.74	65.87	28.13	QP
3	0.266	10.57	0.04	9.86	-5.03	15.44	51.25	35.81	Average
4	0.266	10.57	0.04	9.86	6.36	26.83	61.25	34.42	QP
5	2.321	10.54	0.07	9.86	4.77	25.24	46.00	20.76	Average
6	2.321	10.54	0.07	9.86	10.54	31.01	56.00	24.99	QP
7	7.935	11.18	0.13	9.88	7.06	28.25	50.00	21.75	Average
8	7.935	11.18	0.13	9.88	13.16	34.35	60.00	25.65	QP
9	14.517	12.55	0.16	9.92	12.20	34.83	50.00	15.17	Average
10	14.517	12.55	0.16	9.92	17.68	40.31	60.00	19.69	QP
11	23.140	14.53	0.21	9.97	2.06	26.77	50.00	23.23	Average
12	23.140	14.53	0.21	9.97	7.67	32.38	60.00	27.62	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.

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Test Date	2019/10/01	Temp./Hum.	24°C/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu
Tested SKU	SKU #1	Test Model	14Z90N



Site no. : No.8 Shielded Room Data no. : 7
Condition : ENV4200 100169 LISN Phase : LINE
Limit : FCC PART 15C
Env. / Ins. : 24°C / 57% ESR3 (1774) Engineer : Chucky Chiu
EUT : 14Z90N
Power Rating : 120Vac/60Hz
Test Mode : Operating

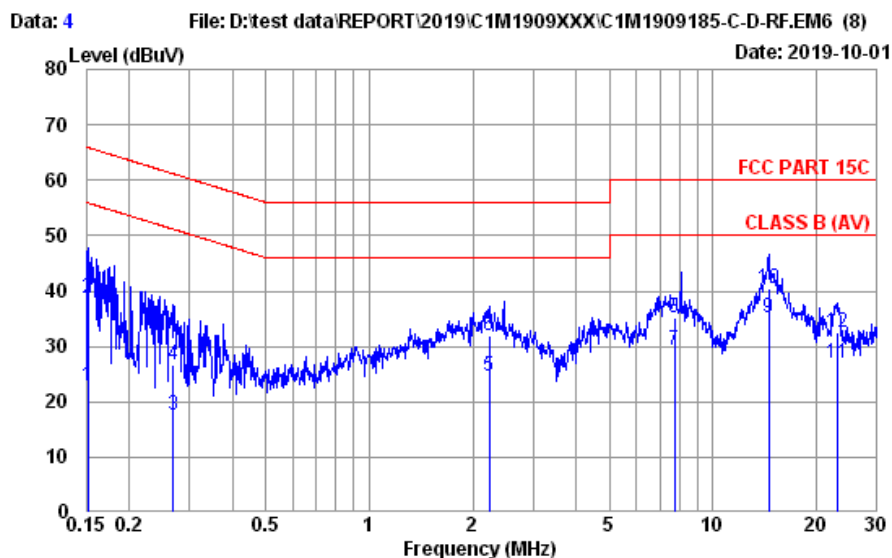
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.168	10.59	0.04	9.86	3.78	24.27	55.08	30.81	Average
2	0.168	10.59	0.04	9.86	17.54	38.03	65.08	27.05	QP
3	0.456	10.45	0.04	9.86	-2.53	17.82	46.76	28.94	Average
4	0.456	10.45	0.04	9.86	4.54	24.89	56.76	31.87	QP
5	2.088	10.46	0.07	9.86	5.43	25.82	46.00	20.18	Average
6	2.088	10.46	0.07	9.86	10.84	31.23	56.00	24.77	QP
7	8.683	11.06	0.13	9.89	4.81	25.89	50.00	24.11	Average
8	8.683	11.06	0.13	9.89	11.57	32.65	60.00	27.35	QP
9	15.066	12.31	0.16	9.92	11.72	34.11	50.00	15.89	Average
10	15.066	12.31	0.16	9.92	16.26	38.65	60.00	21.35	QP
11	22.896	14.00	0.21	9.97	2.44	26.62	50.00	23.38	Average
12	22.896	14.00	0.21	9.97	8.06	32.24	60.00	27.76	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.

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Test Date	2019/10/01	Temp./Hum.	24°C/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu
Tested SKU	SKU #2	Test Model	14Z90N



Site no. : No.8 Shielded Room Data no. : 4
Condition : ENV4200 100169 LISN Phase : NEUTRAL
Limit : FCC PART 15C
Env. / Ins. : 24°C / 57% ESR3 (1774) Engineer : Chucky Chiu
EUT : 14Z90N
Power Rating : 120Vac/60Hz
Test Mode : Operating

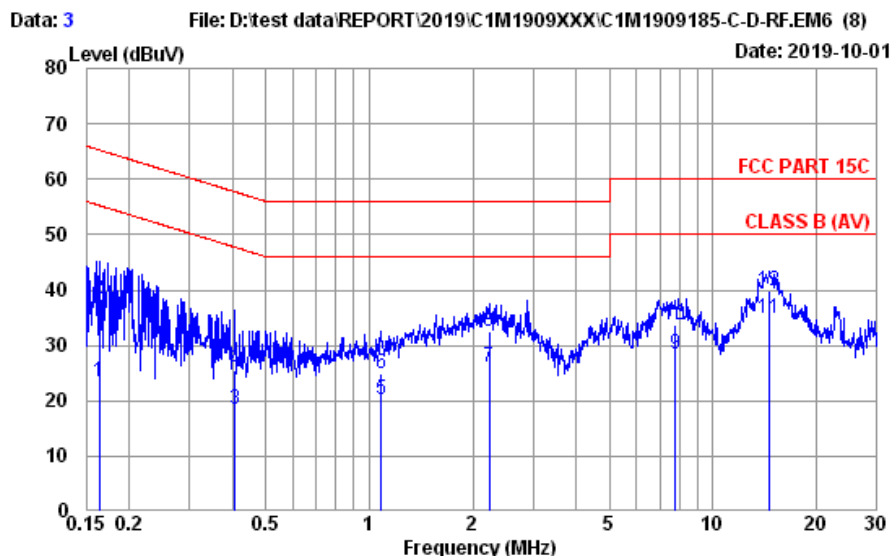
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.152	10.70	0.04	9.86	2.24	22.84	55.91	33.07	Average
2	0.152	10.70	0.04	9.86	17.95	38.55	65.91	27.36	QP
3	0.269	10.56	0.04	9.86	-2.86	17.60	51.16	33.56	Average
4	0.269	10.56	0.04	9.86	6.21	26.67	61.16	34.49	QP
5	2.237	10.53	0.07	9.86	4.15	24.61	46.00	21.39	Average
6	2.237	10.53	0.07	9.86	11.41	31.87	56.00	24.13	QP
7	7.728	11.16	0.13	9.88	8.02	29.19	50.00	20.81	Average
8	7.728	11.16	0.13	9.88	13.96	35.13	60.00	24.87	QP
9	14.517	12.55	0.16	9.92	12.63	35.26	50.00	14.74	Average
10	14.517	12.55	0.16	9.92	17.84	40.47	60.00	19.53	QP
11	23.140	14.53	0.21	9.97	2.20	26.91	50.00	23.09	Average
12	23.140	14.53	0.21	9.97	7.86	32.57	60.00	27.43	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.

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Test Date	2019/10/01	Temp./Hum.	24°C/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Chucky Chiu
Tested SKU	SKU #2	Test Model	14Z90N



Site no. : No.8 Shielded Room Data no. : 3
Condition : ENV4200 100169 LISN Phase : LINE
Limit : FCC PART 15C
Env. / Ins. : 24°C / 57% ESR3 (1774) Engineer : Chucky Chiu
EUT : 14Z90N
Power 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	0.163	10.60	0.04	9.86	2.86	23.36	55.30	31.94	Average
2	0.163	10.60	0.04	9.86	17.81	38.31	65.30	26.99	QP
3	0.406	10.45	0.04	9.86	-1.87	18.48	47.73	29.25	Average
4	0.406	10.45	0.04	9.86	5.07	25.42	57.73	32.31	QP
5	1.082	10.42	0.05	9.86	-0.01	20.32	46.00	25.68	Average
6	1.082	10.42	0.05	9.86	4.54	24.87	56.00	31.13	QP
7	2.237	10.47	0.07	9.86	5.70	26.10	46.00	19.90	Average
8	2.237	10.47	0.07	9.86	12.27	32.67	56.00	23.33	QP
9	7.769	10.98	0.13	9.88	7.52	28.51	50.00	21.49	Average
10	7.769	10.98	0.13	9.88	12.63	33.62	60.00	26.38	QP
11	14.594	12.22	0.16	9.92	12.46	34.76	50.00	15.24	Average
12	14.594	12.22	0.16	9.92	17.64	39.94	60.00	20.06	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	2019/09/20 ~ 10/01	Temp./Hum.	23 ~ 25°C/53 ~ 56%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Kuper Hsu
		Test Model	14Z90N

A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

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

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Tel: +886 2 26099301**Fax: +886 2 26099303****A.2.1.2 Frequency Below 1GHz****Test SKU: SKU #1**

Mode	GFSK	Frequency	TX 2441MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
61.04	12.47	1.75	19.89	34.11	40.00	5.89	Peak
148.34	17.10	2.87	17.41	37.38	43.50	6.12	Peak
312.27	20.07	4.61	11.63	36.31	46.00	9.69	Peak
697.36	25.42	7.35	7.74	40.51	46.00	5.49	Peak
742.95	25.91	7.59	7.76	41.26	46.00	4.74	Peak
793.39	26.43	7.86	6.05	40.34	46.00	5.66	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
80.44	13.55	2.04	22.64	38.23	40.00	1.77	Peak
152.22	16.90	2.92	18.01	37.83	43.50	5.67	Peak
242.43	18.46	3.86	19.21	41.53	46.00	4.47	Peak
677.96	25.30	7.25	7.24	39.79	46.00	6.21	Peak
847.71	26.90	8.16	6.40	41.46	46.00	4.54	Peak
932.10	27.56	8.64	5.36	41.56	46.00	4.44	Peak

Test SKU: SKU #2

Mode	GFSK	Frequency	TX 2441MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
62.01	12.47	1.76	19.50	33.73	40.00	6.27	Peak
148.34	17.10	2.87	16.73	36.70	43.50	6.80	Peak
593.57	24.70	6.87	8.51	40.08	46.00	5.92	Peak
697.36	25.42	7.35	9.30	42.07	46.00	3.93	Peak
745.86	25.93	7.61	8.69	42.23	46.00	3.77	Peak
793.39	26.43	7.86	7.10	41.39	46.00	4.61	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
80.44	13.55	2.04	22.61	38.20	40.00	1.80	Peak
169.68	15.95	3.11	19.23	38.29	43.50	5.21	Peak
243.40	18.50	3.87	21.67	44.04	46.00	1.96	Peak
508.21	23.80	6.76	8.96	39.52	46.00	6.48	Peak
847.71	26.90	8.16	7.33	42.39	46.00	3.61	Peak
932.10	27.56	8.64	6.04	42.24	46.00	3.76	Peak

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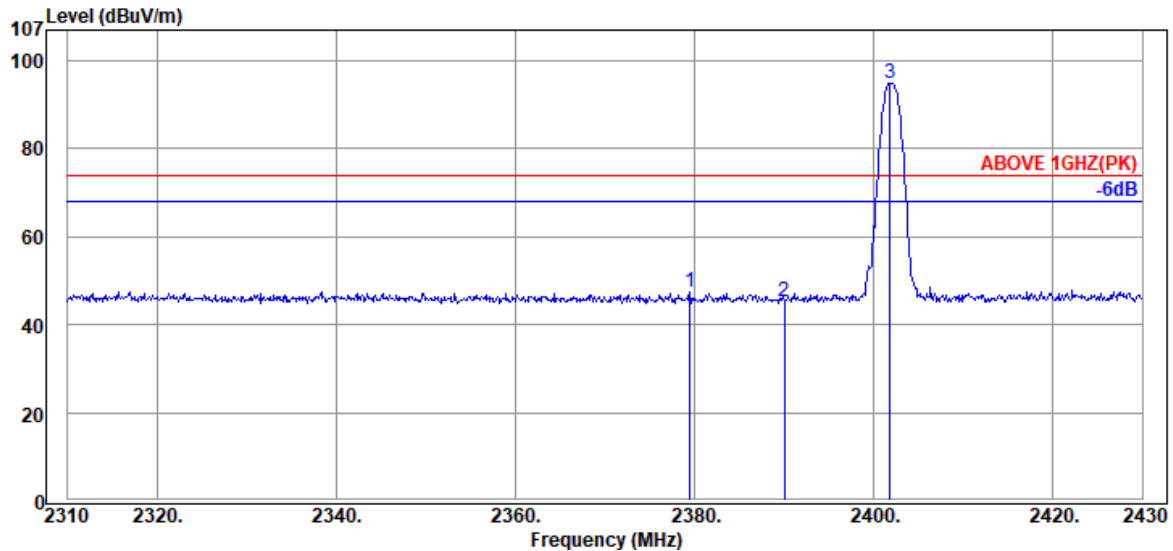
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

Band Edge:

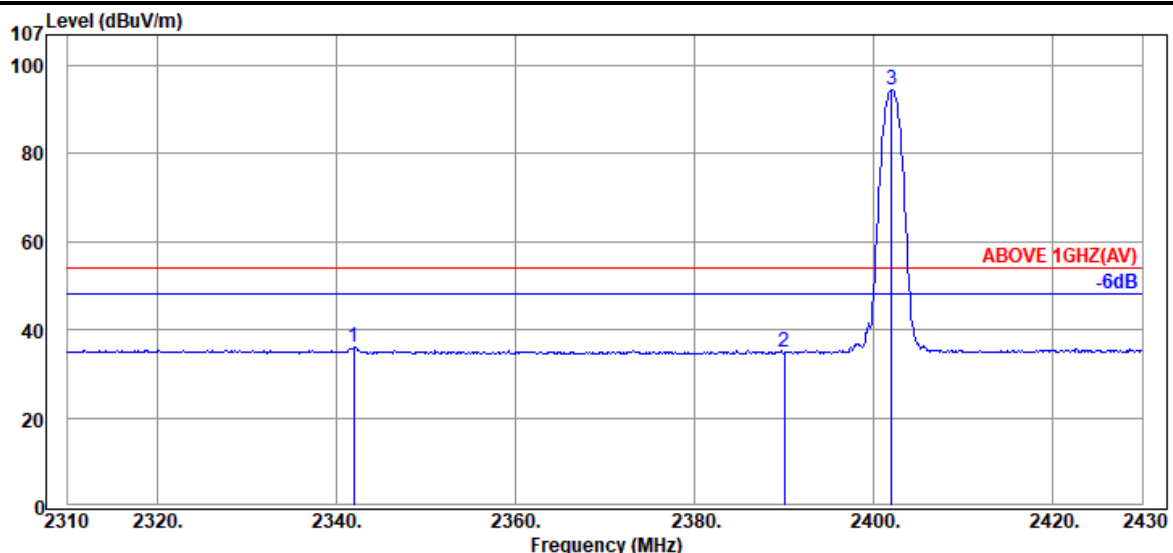
Test SKU: SKU #1

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2379.48	32.00	8.17	7.40	47.57	74.00	26.43	Peak
2390.04	32.00	8.17	4.98	45.15	74.00	28.85	Peak
@ 2401.80	32.00	8.17	54.60	94.77	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2341.92	32.00	8.16	-4.04	36.12	54.00	17.88	Average
2390.04	32.00	8.17	-5.36	34.81	54.00	19.19	Average
@ 2402.04	32.00	8.17	54.45	94.62	---	---	Average

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

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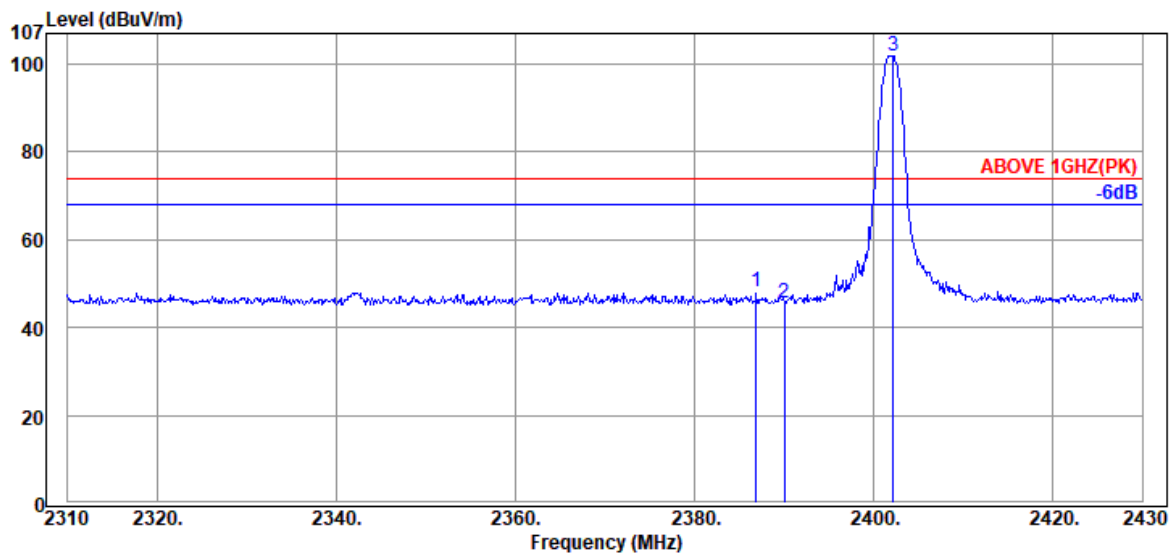
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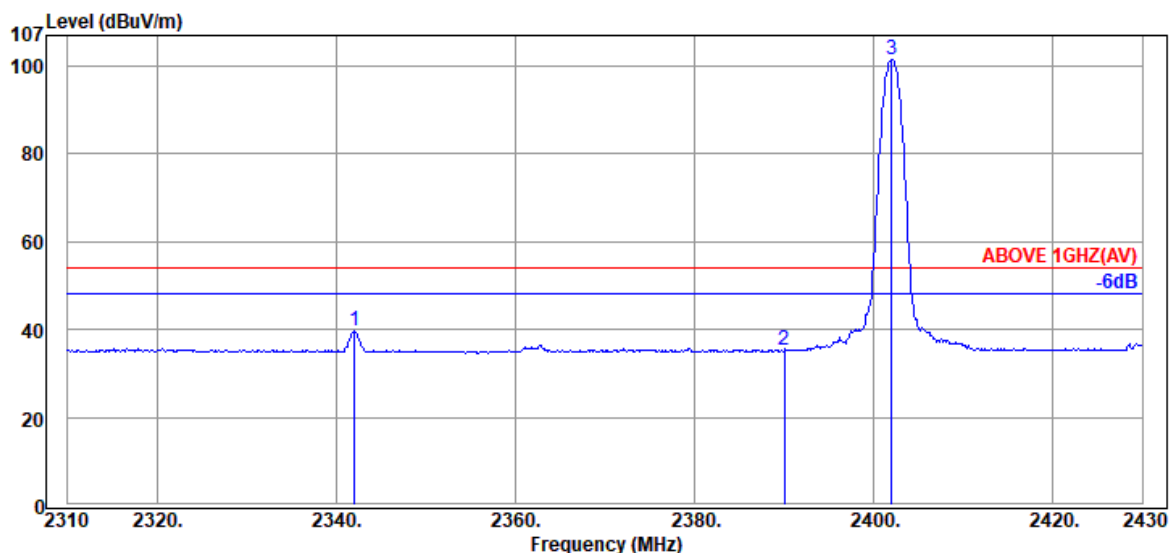
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Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.92	32.00	8.17	7.82	47.99	74.00	26.01	Peak
2390.04	32.00	8.17	5.34	45.51	74.00	28.49	Peak
@ 2402.16	32.00	8.17	61.65	101.82	---	---	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.04	32.00	8.16	-0.63	39.53	54.00	14.47	Average
2390.04	32.00	8.17	-4.87	35.30	54.00	18.70	Average
@ 2402.04	32.00	8.17	61.27	101.44	---	---	Average

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

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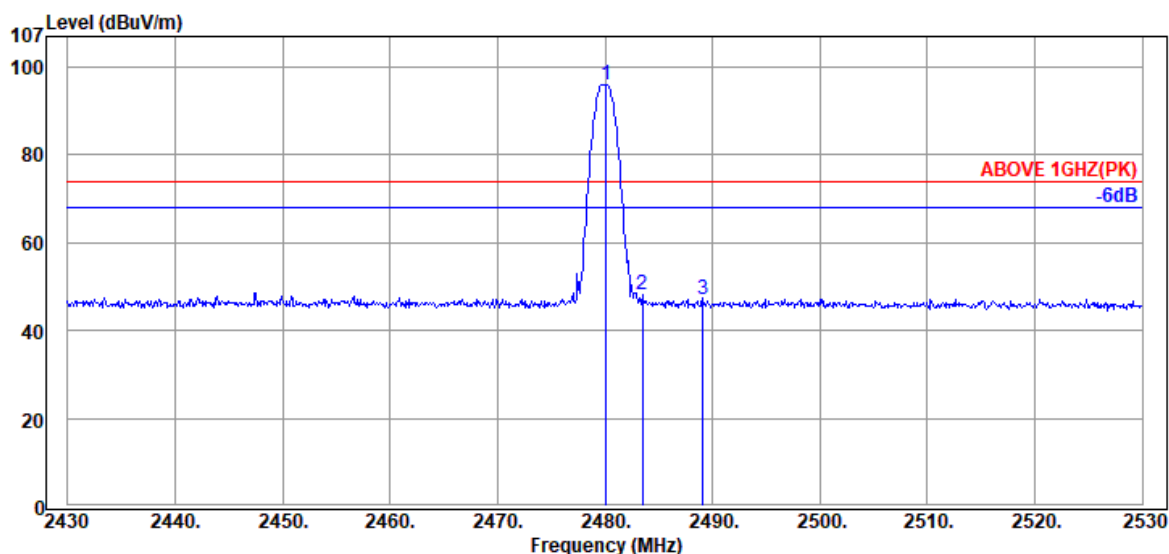
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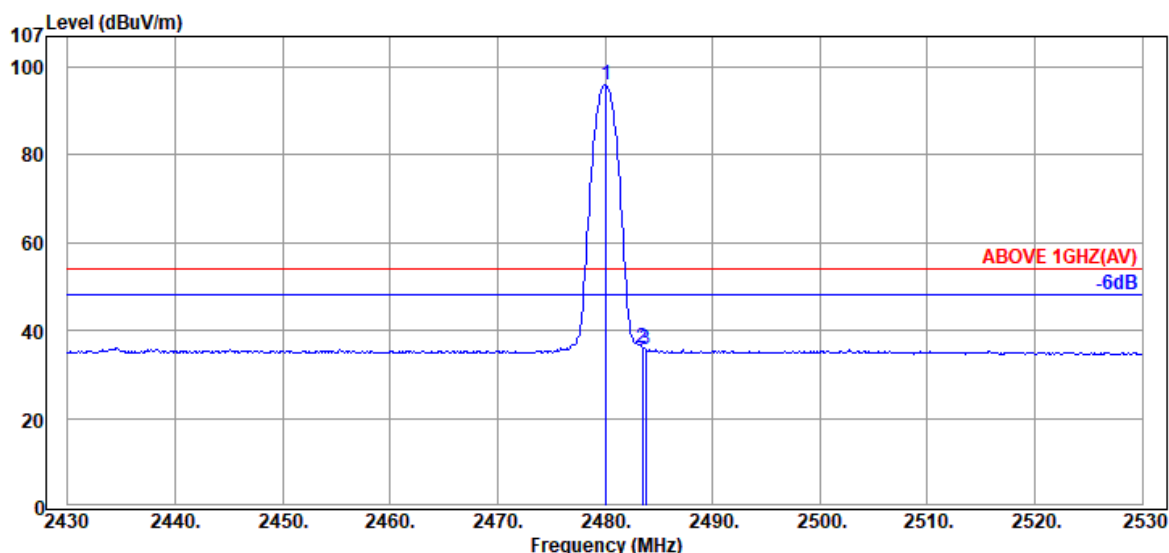
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.10	32.57	8.20	55.31	96.08	---	---	Peak
2483.50	32.57	8.20	7.41	48.18	74.00	25.82	Peak
2489.10	32.50	8.21	6.50	47.21	74.00	26.79	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.10	32.57	8.20	55.19	95.96	---	---	Average
2483.50	32.57	8.20	-4.61	36.16	54.00	17.84	Average
2483.80	32.57	8.20	-4.99	35.78	54.00	18.22	Average

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

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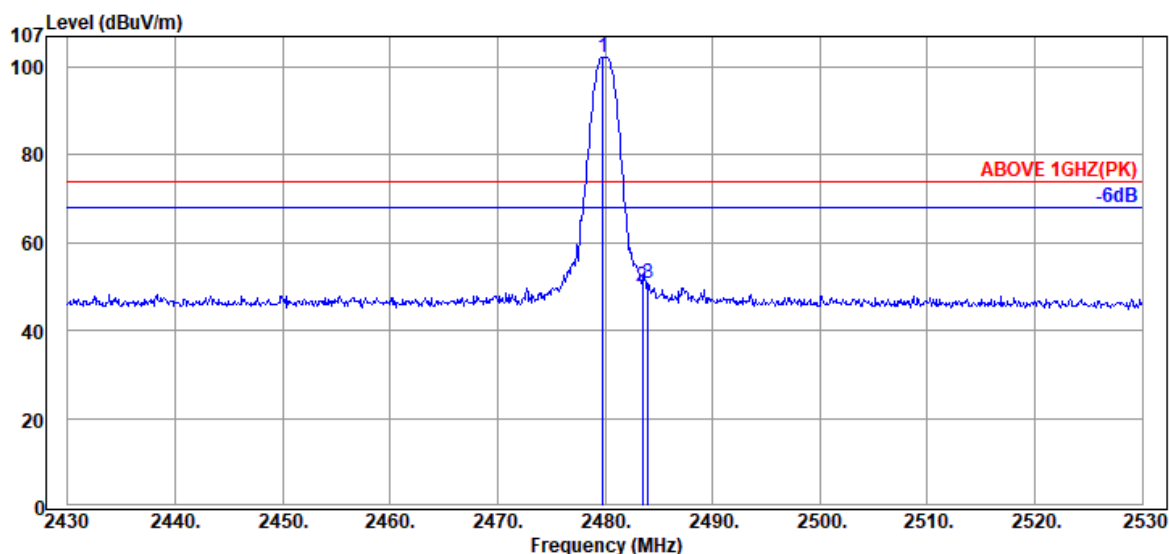
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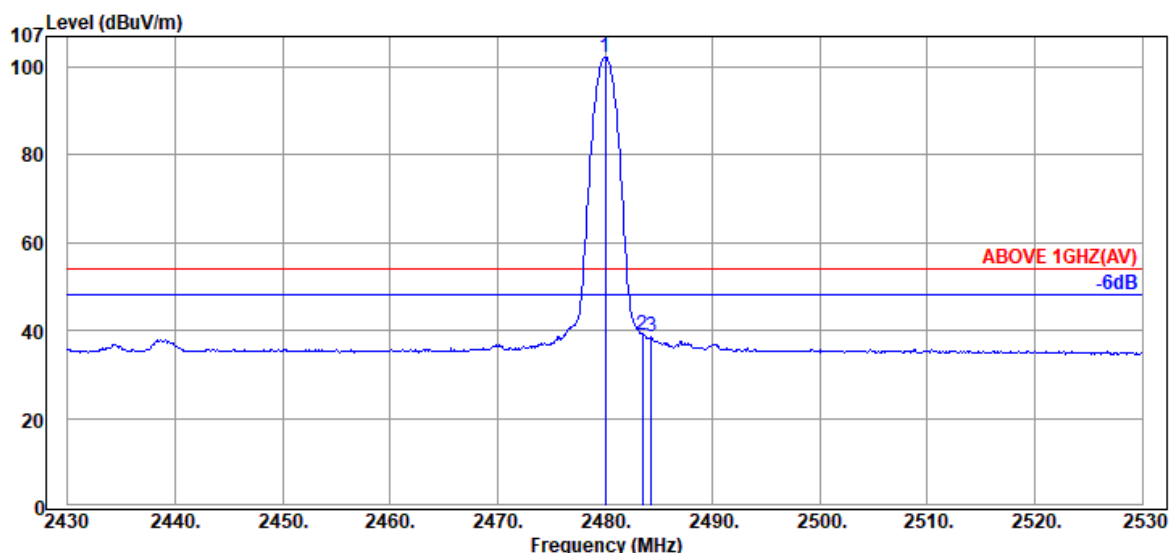
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.80	32.57	8.20	61.60	102.37	---	---	Peak
2483.50	32.57	8.20	9.17	49.94	74.00	24.06	Peak
2484.00	32.57	8.20	10.08	50.85	74.00	23.15	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.00	32.57	8.20	61.48	102.25	---	---	Average
2483.50	32.57	8.20	-1.73	39.04	54.00	14.96	Average
2484.30	32.57	8.20	-2.13	38.64	54.00	15.36	Average

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

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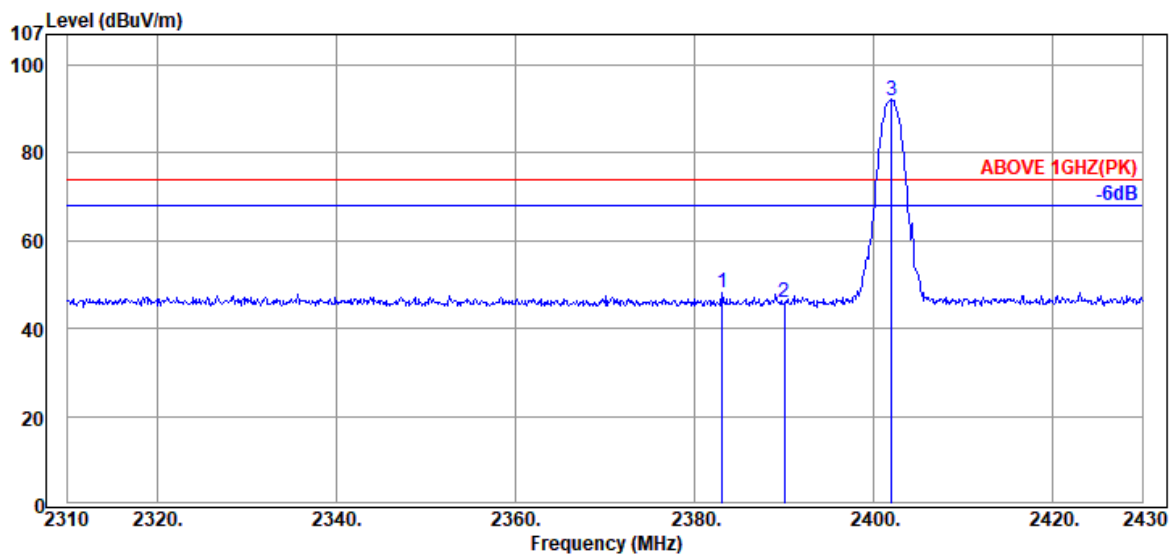
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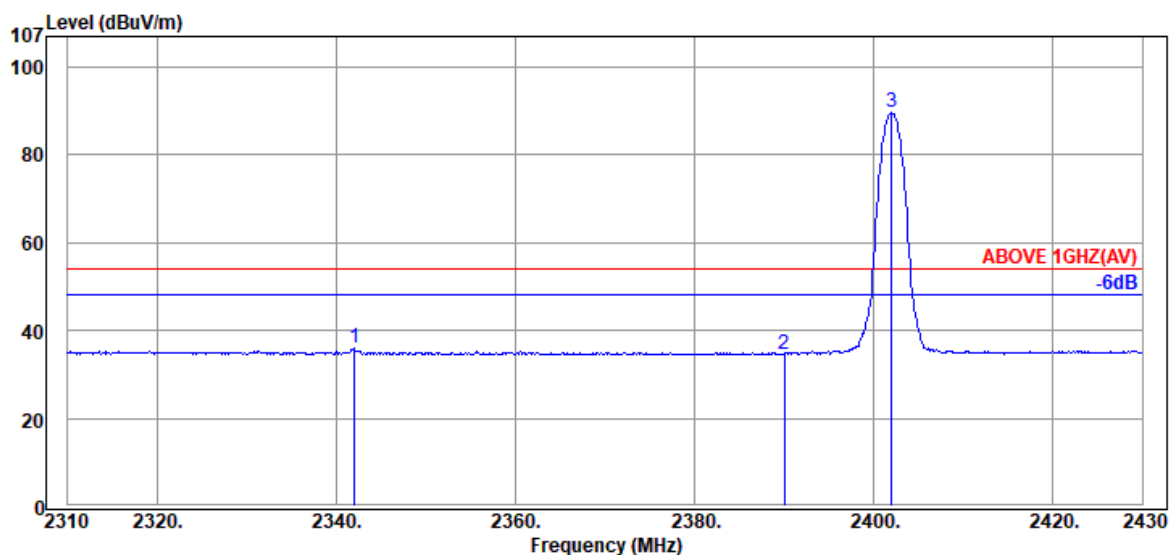
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2383.08	32.00	8.17	8.07	48.24	74.00	25.76	Peak
2390.04	32.00	8.17	5.62	45.79	74.00	28.21	Peak
@ 2402.04	32.00	8.17	51.92	92.09	---	---	Peak



Antenna at Horizontal Polarization

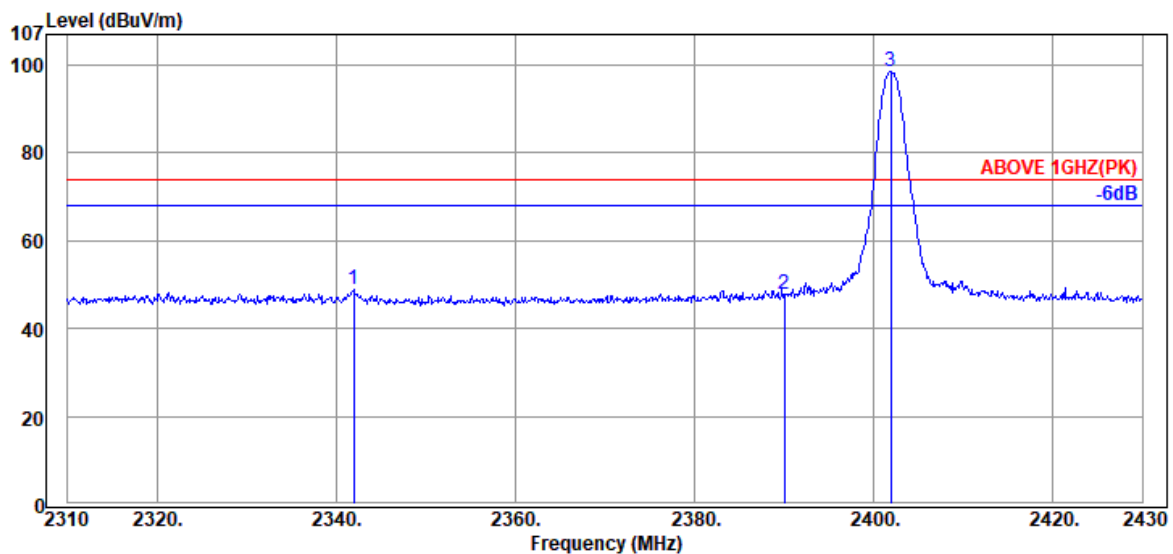
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2342.04	32.00	8.16	-4.27	35.89	54.00	18.11	Average
2390.04	32.00	8.17	-5.48	34.69	54.00	19.31	Average
@ 2402.04	32.00	8.17	49.44	89.61	---	---	Average

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

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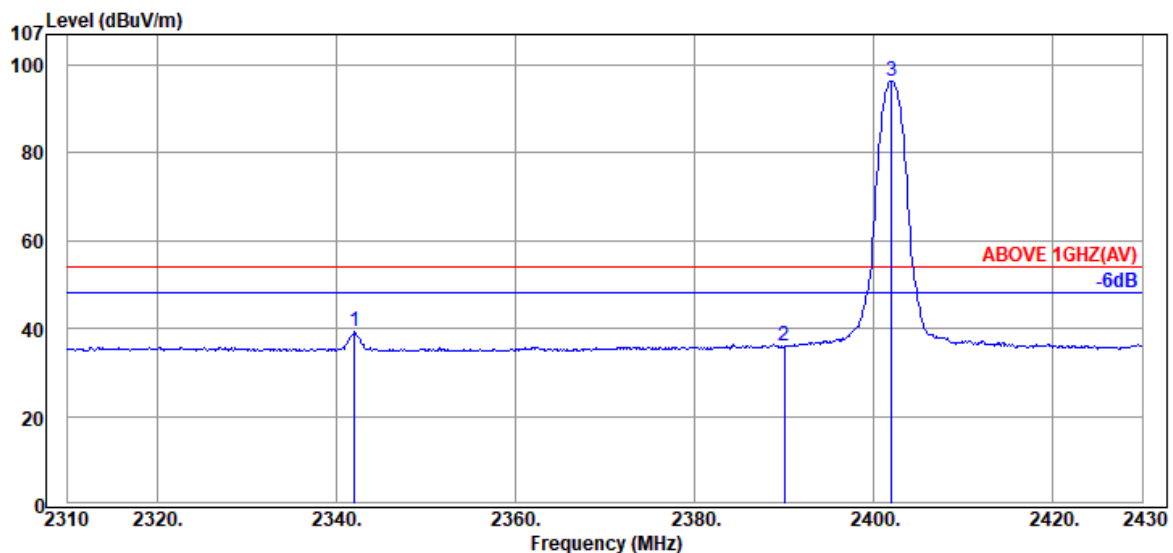
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Mode	8-DPSK	Frequency	TX 2402MHz
------	--------	-----------	------------



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2341.92	32.00	8.16	8.57	48.73	74.00	25.27	Peak
2390.04	32.00	8.17	7.56	47.73	74.00	26.27	Peak
@ 2401.92	32.00	8.17	58.42	98.59	---	---	Peak



Antenna at Vertical Polarization

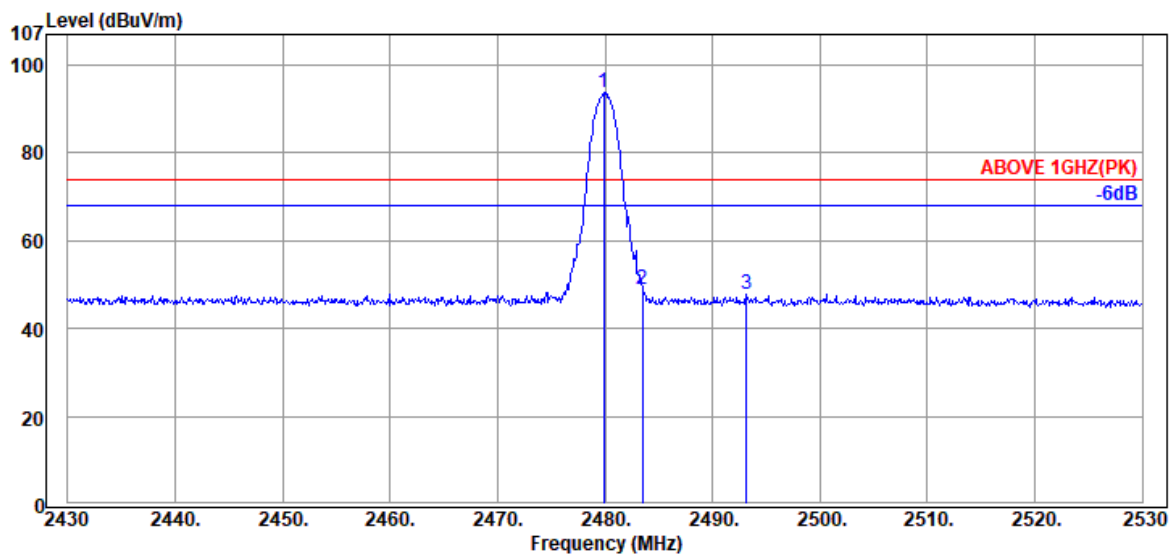
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.04	32.00	8.16	-0.83	39.33	54.00	14.67	Average
2390.04	32.00	8.17	-4.29	35.88	54.00	18.12	Average
@ 2402.04	32.00	8.17	56.28	96.45	---	---	Average

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

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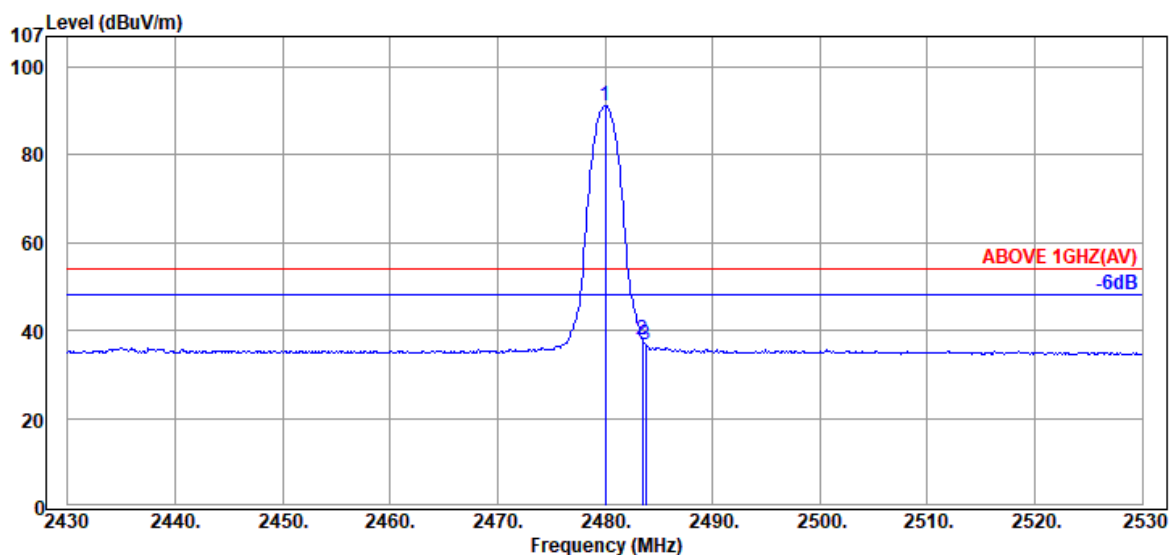
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Mode	8-DPSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.90	32.57	8.20	52.89	93.66	---	---	Peak
2483.50	32.57	8.20	8.23	49.00	74.00	25.00	Peak
2493.20	32.50	8.21	7.03	47.74	74.00	26.26	Peak



Antenna at Horizontal Polarization

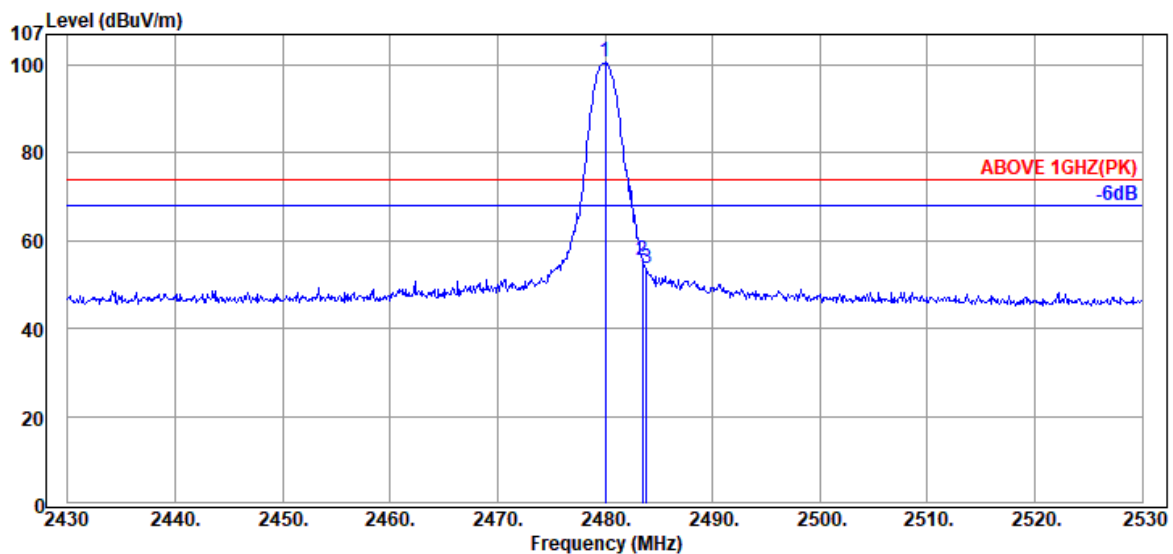
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.00	32.57	8.20	50.41	91.18	---	---	Average
2483.50	32.57	8.20	-2.92	37.85	54.00	16.15	Average
2483.80	32.57	8.20	-3.82	36.95	54.00	17.05	Average

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

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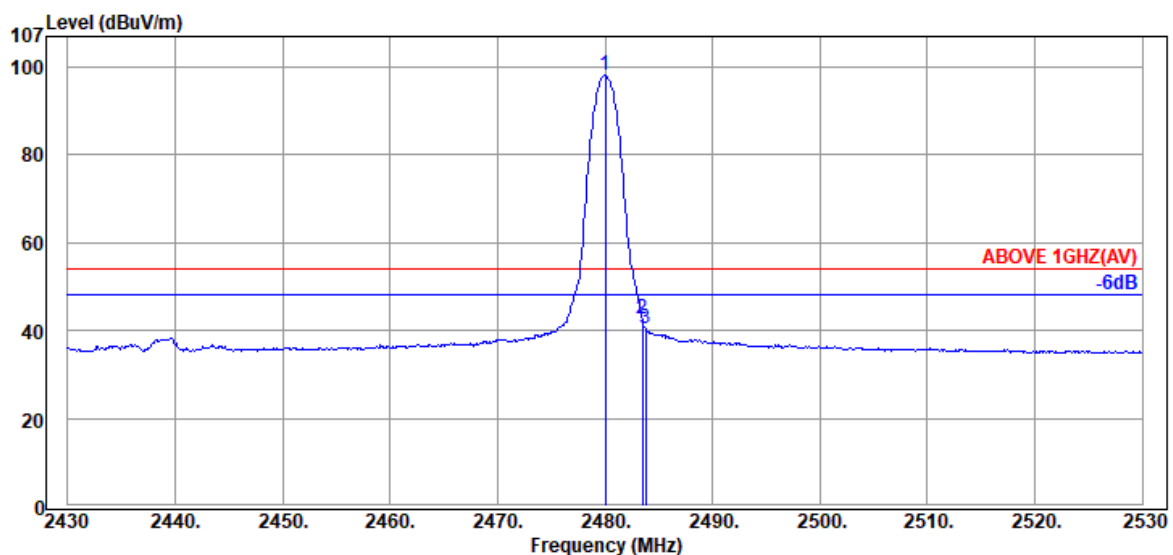
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Mode	8-DPSK	Frequency	TX 2480MHz
------	--------	-----------	------------



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.00	32.57	8.20	59.80	100.57	---	---	Peak
2483.50	32.57	8.20	14.90	55.67	74.00	18.33	Peak
2483.90	32.57	8.20	12.89	53.66	74.00	20.34	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.00	32.57	8.20	57.38	98.15	---	---	Average
2483.50	32.57	8.20	1.80	42.57	54.00	11.43	Average
2483.80	32.57	8.20	-0.23	40.54	54.00	13.46	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.

Test SKU: SKU #1

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.00	33.92	10.31	-2.14	42.09	54.00	11.91	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.00	33.92	10.31	-2.56	41.67	54.00	12.33	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.00	34.36	10.38	-1.61	43.13	54.00	10.87	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.00	34.36	10.38	-3.29	41.45	54.00	12.55	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.32	10.45	-3.22	41.55	54.00	12.45	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.32	10.45	-2.83	41.94	54.00	12.06	Peak

Test SKU: SKU #2

Mode	GFSK			Frequency	TX 2441MHz		
Antenna at Horizontal Polarization							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.00	34.37	10.38	-2.47	42.28	54.00	11.72	Peak
Antenna at Vertical Polarization							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.00	34.37	10.38	-2.77	41.98	54.00	12.02	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	2019/09/18	Temp./Hum.	25°C/51%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N

A.3.1 6dB Bandwidth Result

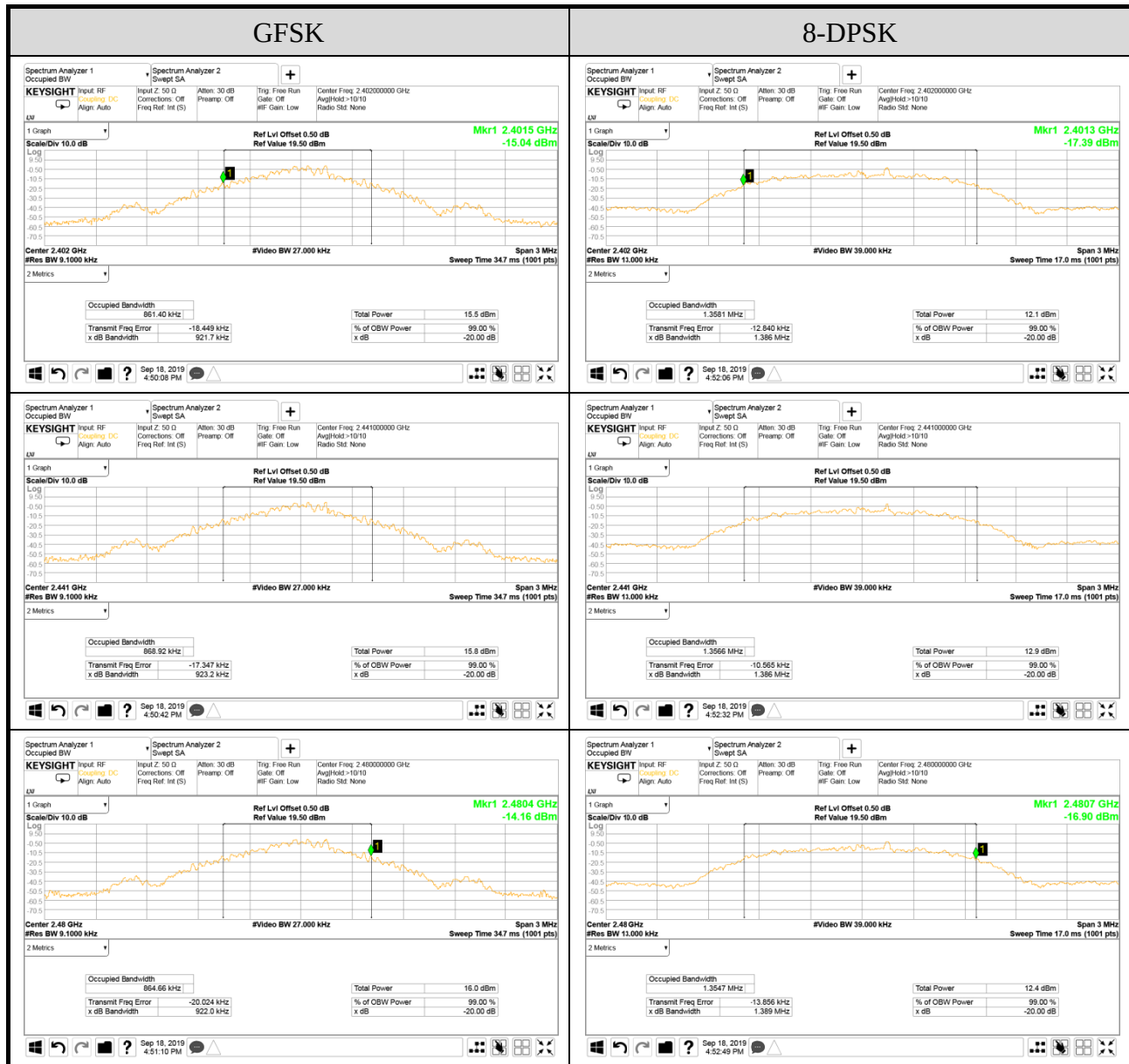
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9217	0.86410	0.614
	2441	0.9232	0.86892	0.615
	2480	0.9220	0.86466	0.615
8-DPSK	2402	1.386	1.3581	0.924
	2441	1.386	1.3566	0.924
	2480	1.389	1.3547	0.926

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

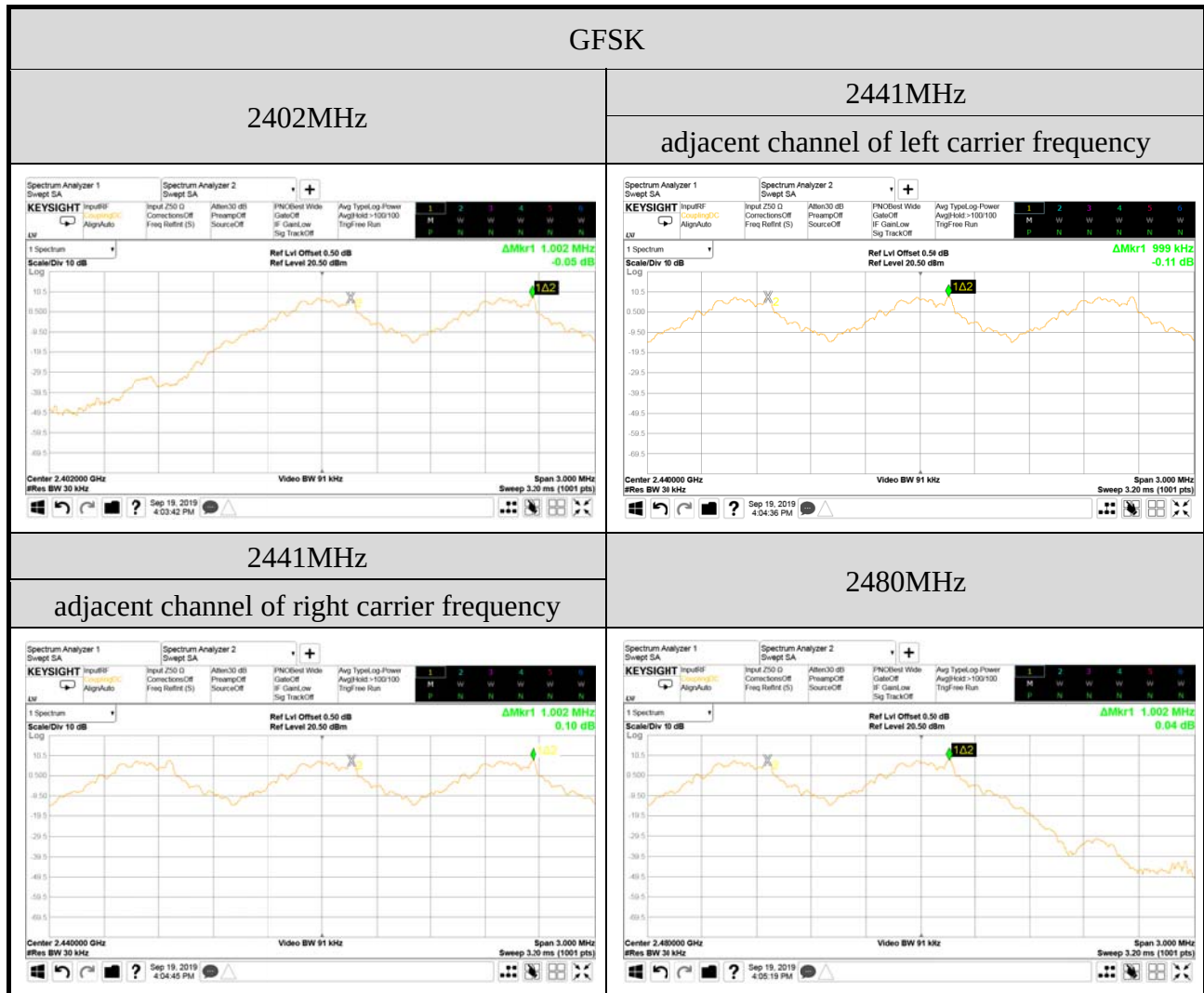


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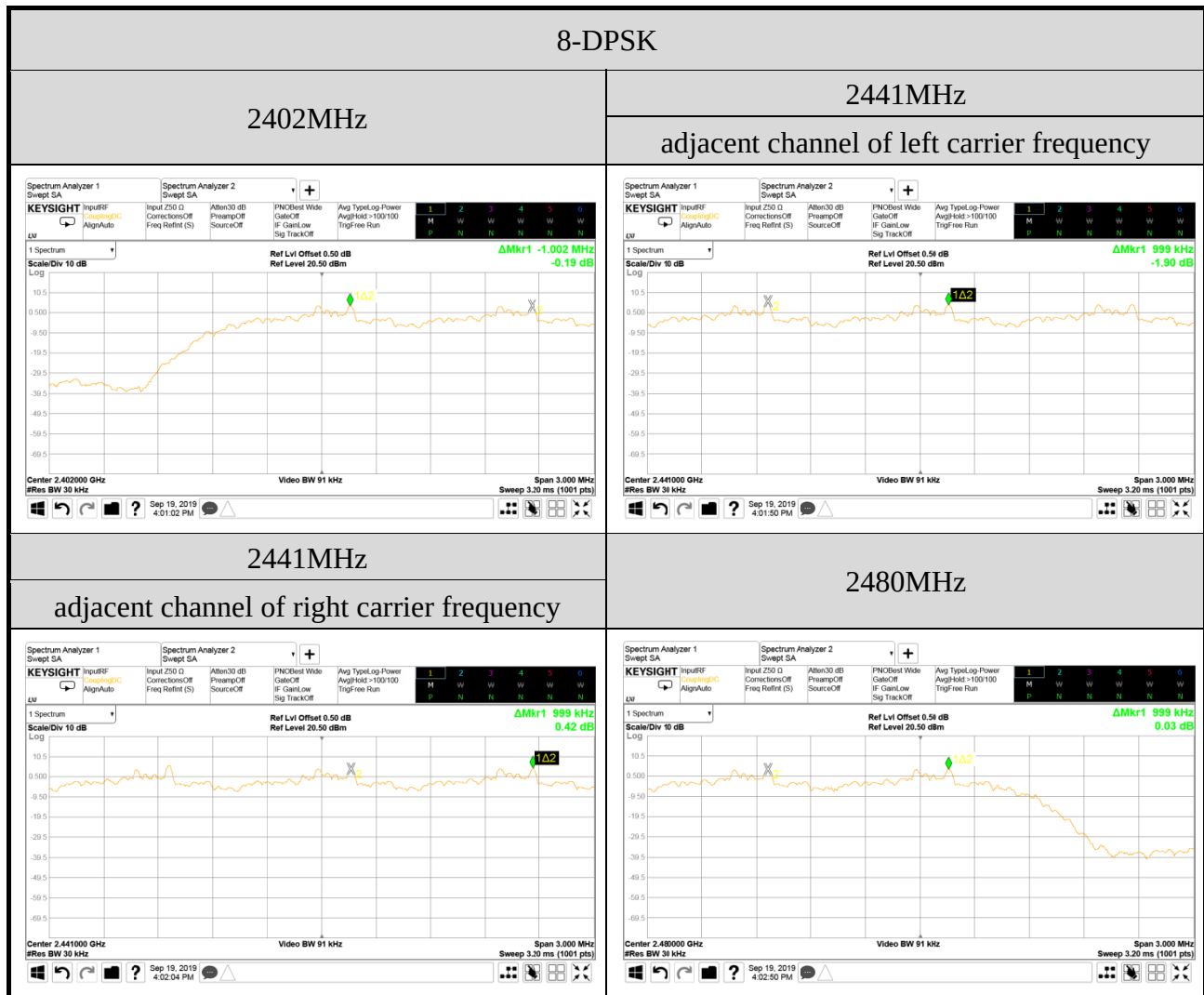
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2019/09/19	Temp./Hum.	25°C/54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N



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A.5 TIME OF OCCUPANCY

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N

A.5.1 Time of Occupancy

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2402	DH1	10	0.380	120.080	<400
		DH3	5	1.635	258.330	<400
		DH5	3	2.880	273.024	<400

Observation Period:

79 channels* **0.4** seconds= **31.6** seconds

DH1 Mode

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

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

DH3 Mode

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

5 transmission* **31.6** seconds* **1.635** ms= **258.330** ms (<400ms)

DH5 Mode

For each second of **3** transmission appearance,the longest time of occupancy is

3 transmission* **31.6** seconds* **2.880** ms= **273.024** ms (<400ms)

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2440	DH1	10	0.380	120.080	<400
		DH3	5	1.635	258.330	<400
		DH5	3	2.880	273.024	<400

Observation Period:

79 channels* **0.4** seconds= **31.6** seconds

DH1 Mode

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

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

DH3 Mode

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

5 transmission* **31.6** seconds* **1.635** ms= **258.330** ms (<400ms)

DH5 Mode

For each second of **3** transmission appearance,the longest time of occupancy is

3 transmission* **31.6** seconds* **2.880** ms= **273.024** 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	0.380	120.080	<400
		DH3	5	1.635	258.330	<400
		DH5	3	2.880	273.024	<400

Observation Period:

79 channels * 0.4 seconds = 31.6 seconds

DH1 Mode

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

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

DH3 Mode

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

5 transmission * 31.6 seconds * 1.635 ms = 258.330 ms (<400ms)

DH5 Mode

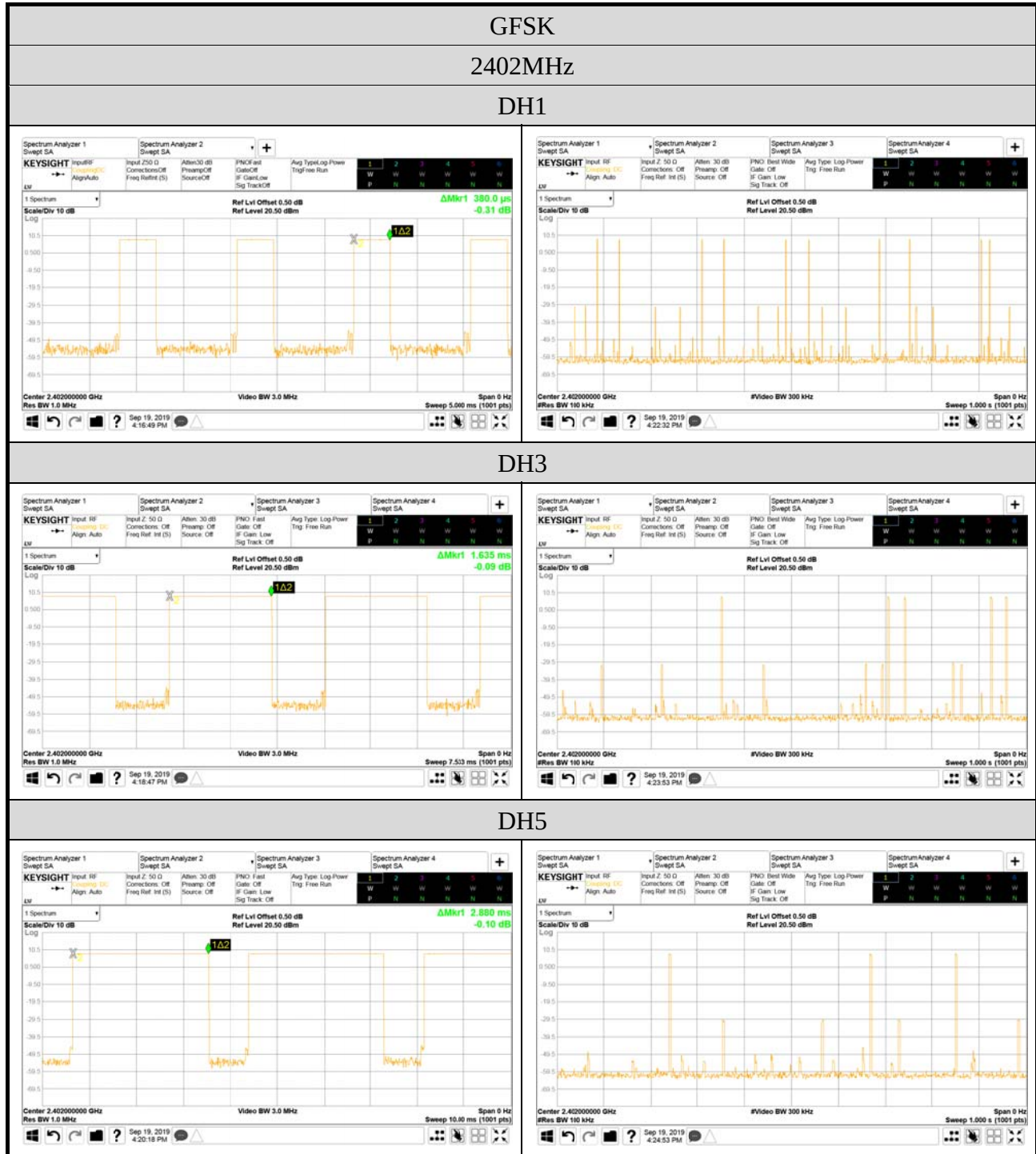
For each second of **3** transmission appearance, the longest time of occupancy is

3 transmission * 31.6 seconds * 2.880 ms = 273.024 ms (<400ms)

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● Measurement Plots



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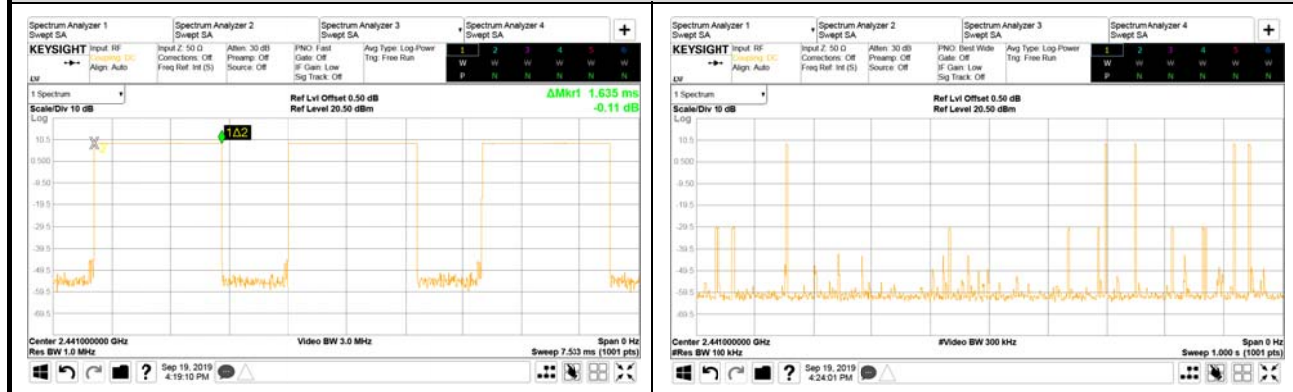
GFSK

2441MHz

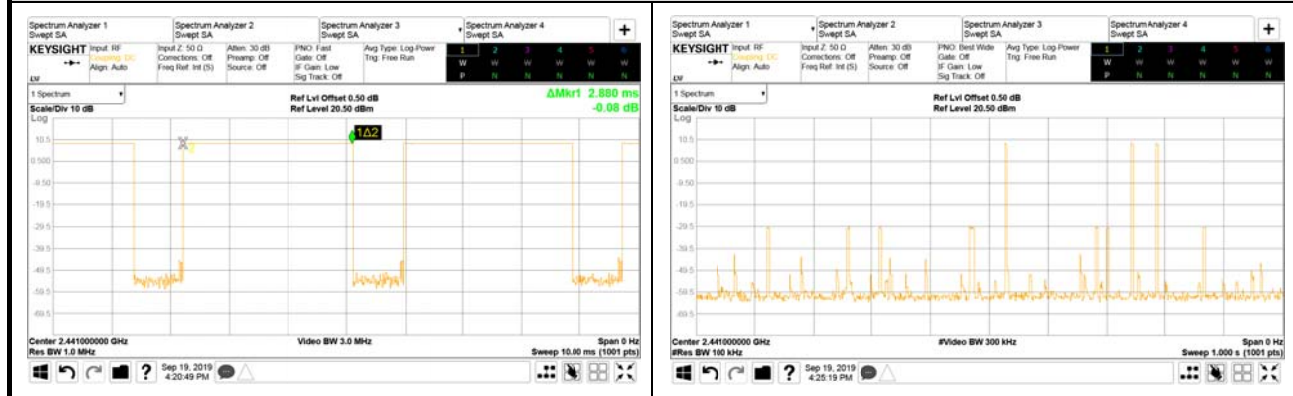
DH1



DH3



DH5



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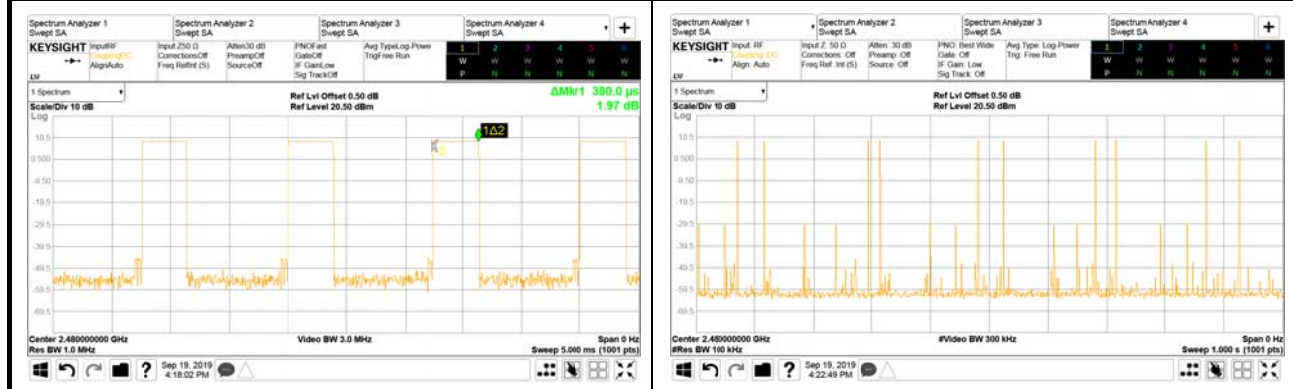
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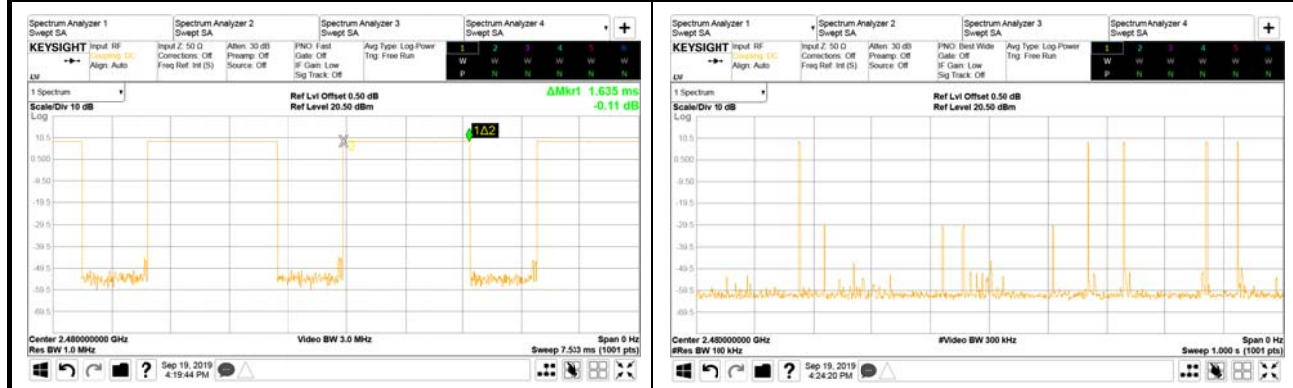
GFSK

2480MHz

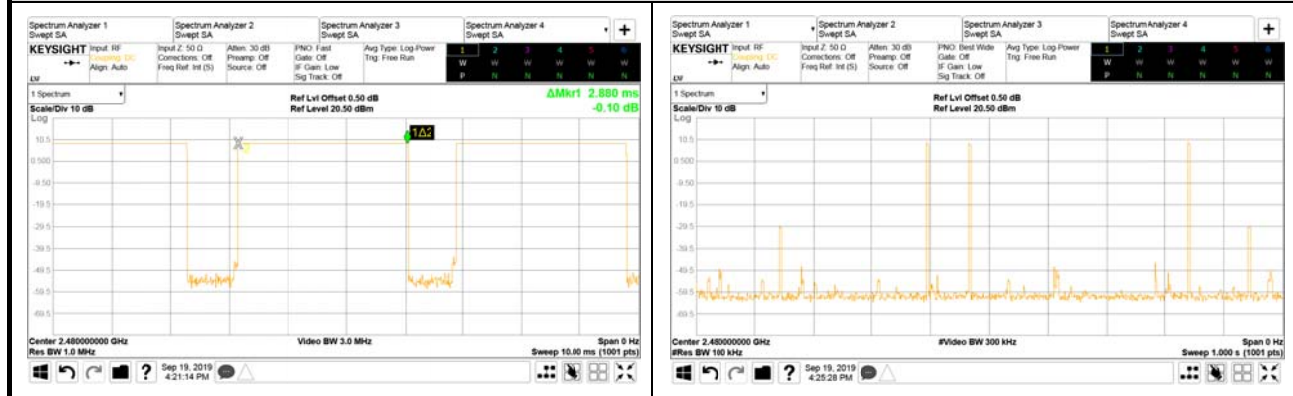
DH1



DH3



DH5



Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2402	3DH1	10	0.390	123.240	<400
		3DH3	5	1.635	258.330	<400
		3DH5	3	2.890	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* 1.635 ms= 258.330 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	0.390	123.240	<400
		3DH3	5	1.635	258.330	<400
		3DH5	3	2.890	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* 1.635 ms= 258.330 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)**

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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	0.390	123.240	<400
		3DH3	5	1.635	258.330	<400
		3DH5	3	2.890	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* **1.635** ms= **258.330** 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)

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● Measurement Plots

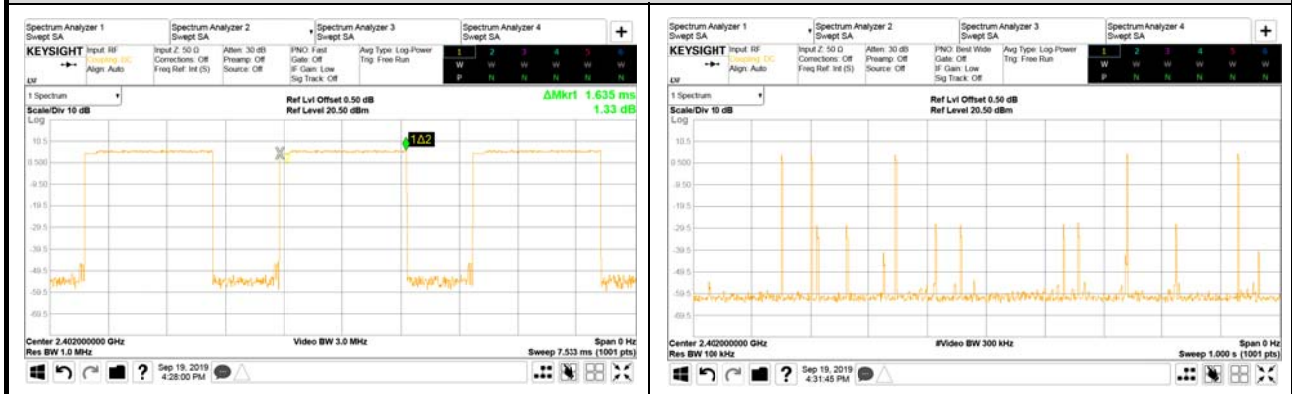
8-DPSK

2402MHz

3DH1



3DH3



3DH5



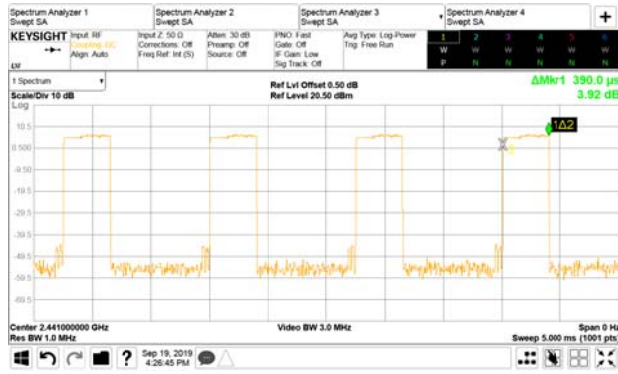
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Fax: +886 2 26099303

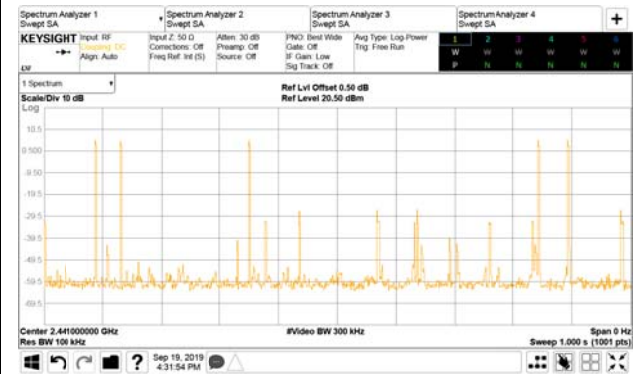
8-DPSK

2441MHz

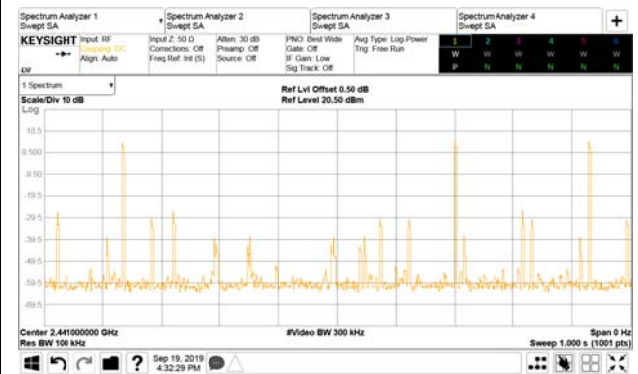
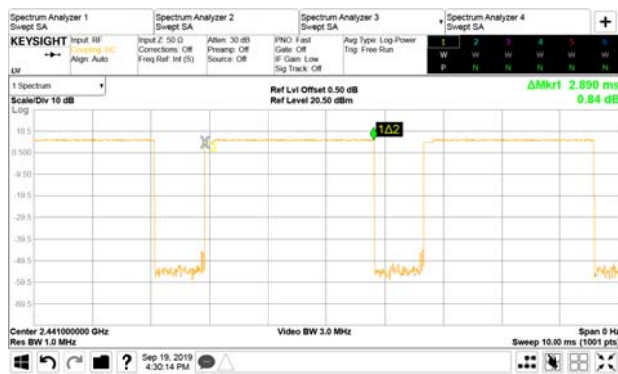
3DH1



3DH3



3DH5



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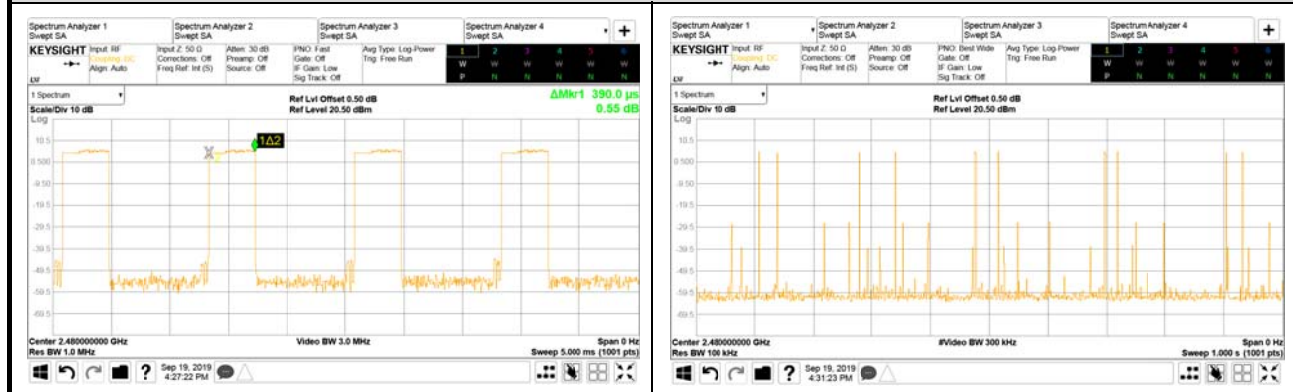
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Fax: +886 2 26099303

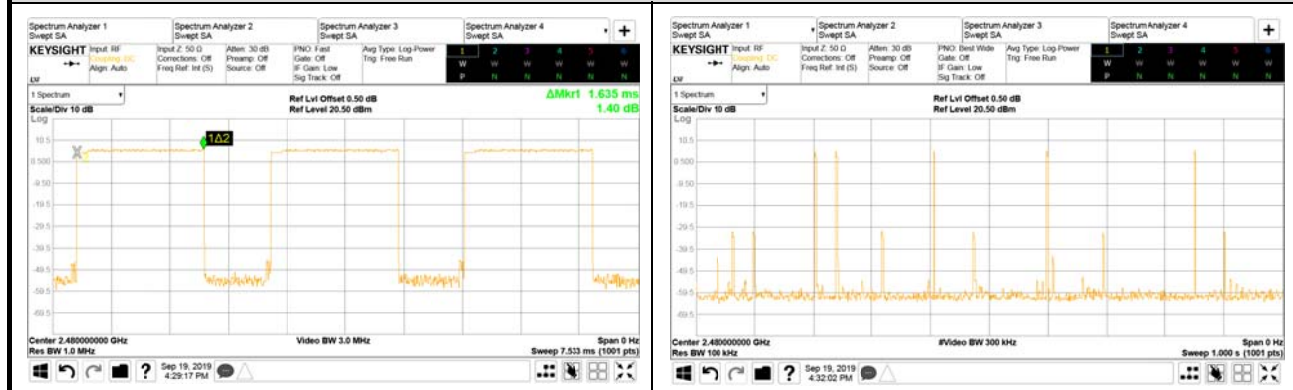
8-DPSK

2480MHz

3DH1



3DH3



3DH5

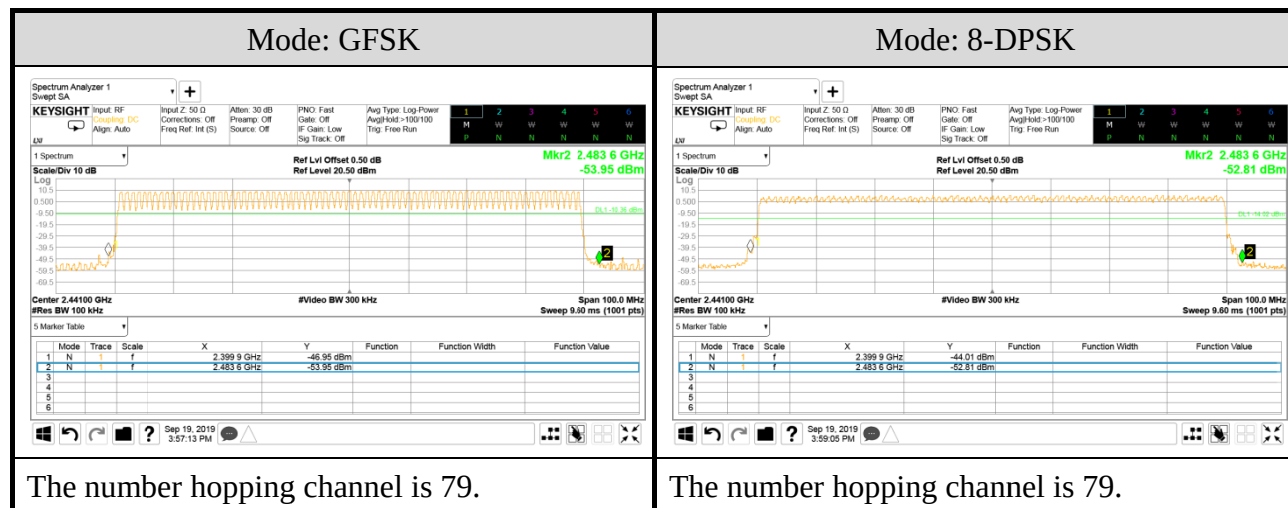


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A.6 NUMBER OF HOPPING CHANNELS

Test Date	2019/09/19	Temp./Hum.	25°C/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)



A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/18	Temp./Hum.	25°C/51%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N

A.7.1 Maximum Peak Output Power

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Limit
		dBm	W	
GFSK	2402	9.14	0.008	21dBm (0.125W)
	2441	9.59	0.009	
	2480	9.48	0.009	
8-DPSK	2402	6.89	0.005	
	2441	7.55	0.006	
	2480	7.00	0.005	

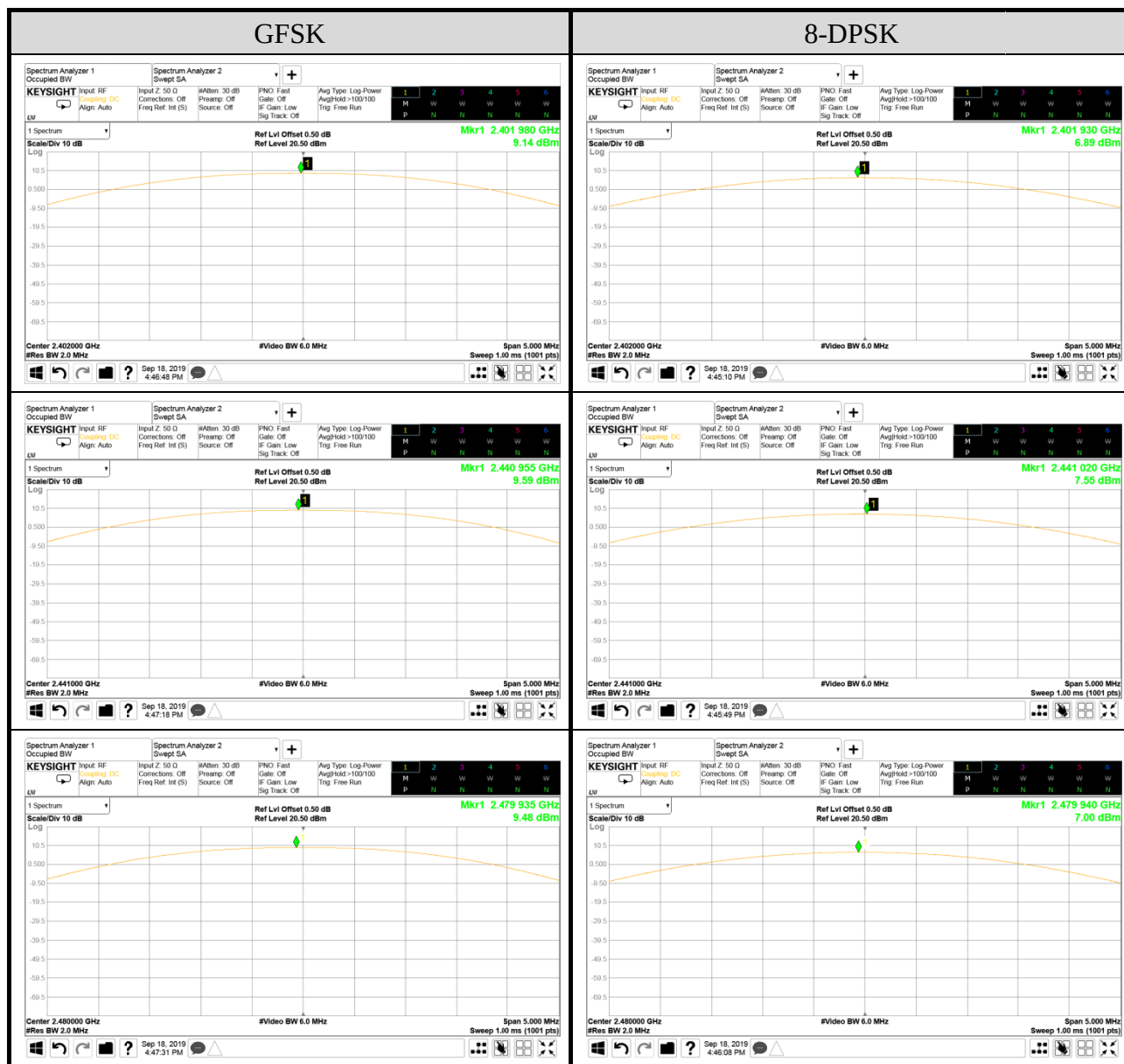
SPOT CHECK

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Limit
		dBm	W	
GFSK	2402	9.18	0.008	21dBm (0.125W)
	2441	9.57	0.009	
	2480	9.46	0.009	
8-DPSK	2402	6.91	0.005	
	2441	7.53	0.006	
	2480	7.02	0.005	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

A.7.2 Measurement Plots



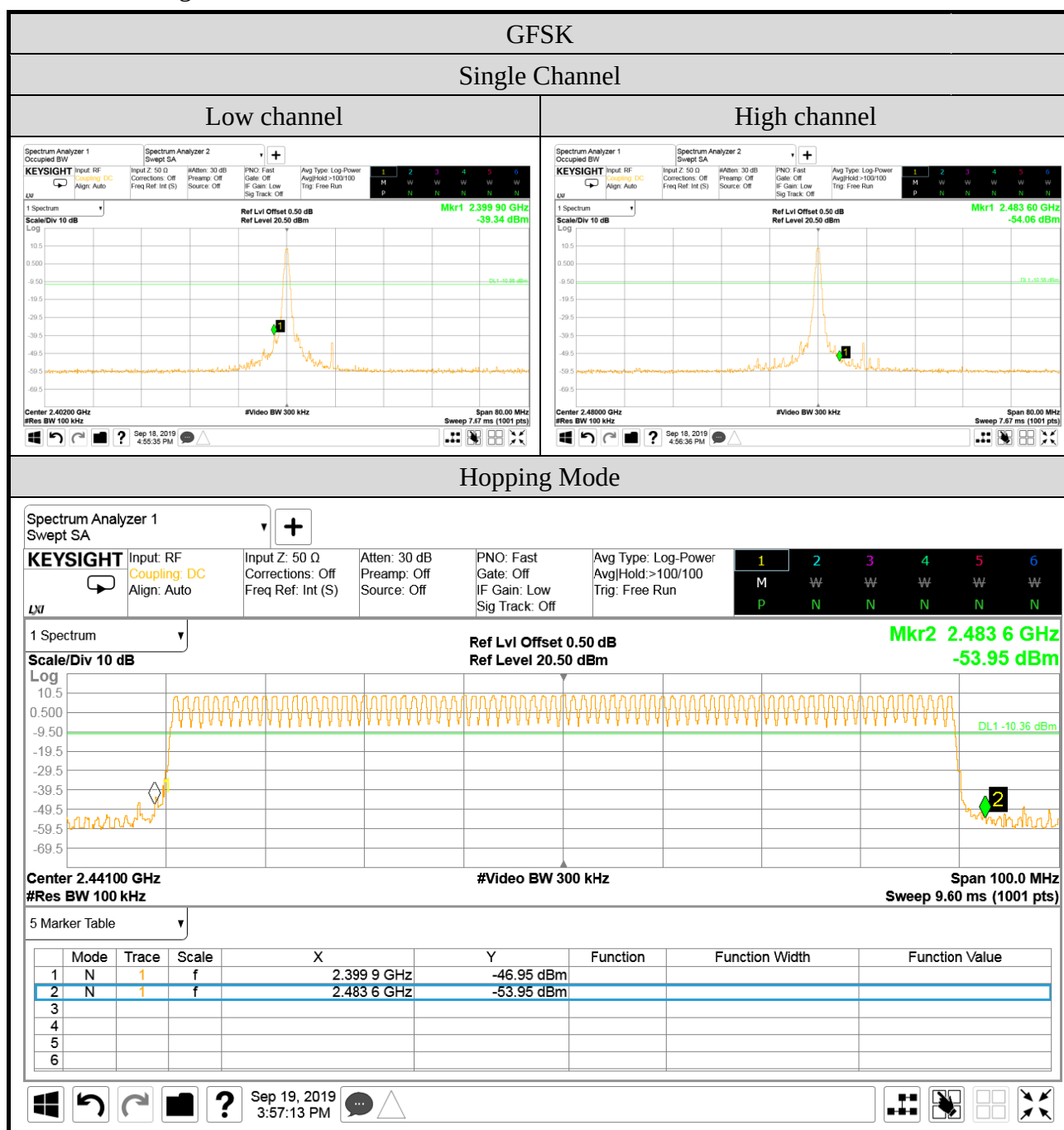
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A.8 EMISSION LIMITATIONS MEASUREMENT

Test Date	2019/09/18 ~ 19	Temp./Hum.	25°C/51 ~ 54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N

A.8.1 Band Edge



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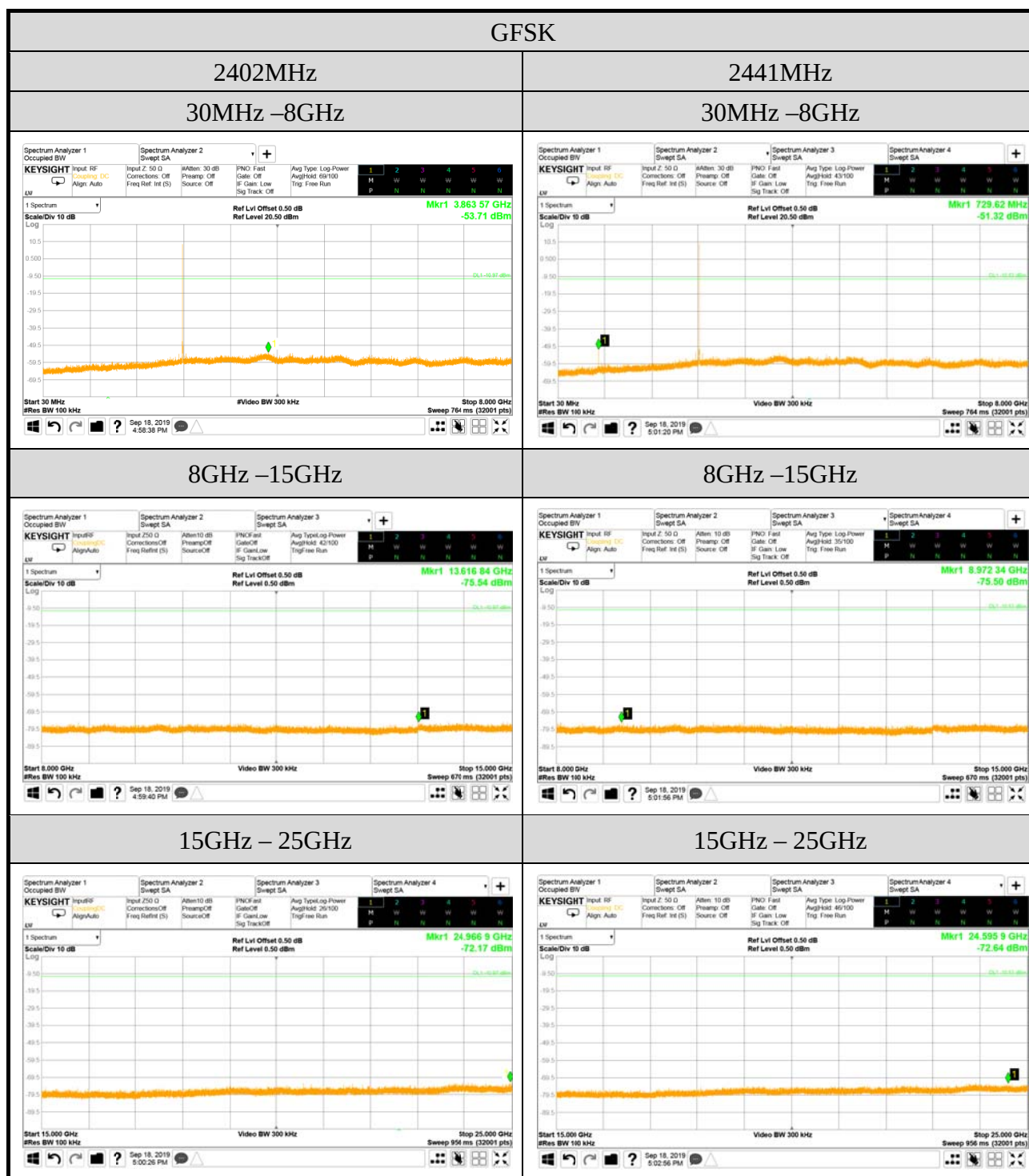
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A.8.2 Spurious Emission

Test Date	2019/09/18	Temp./Hum.	25°C/51%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Test Model	14Z90N



Note: All results have been included cable loss.

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Note: All results have been included cable loss.