

TABLE OF CONTENTS

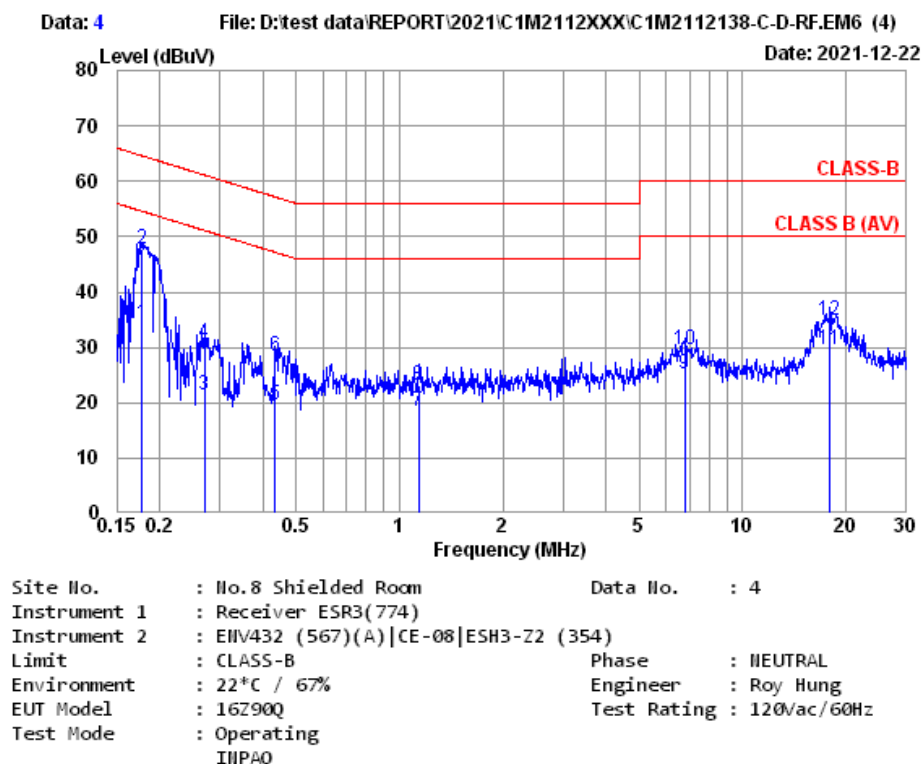
A.1 CONDUCTED EMISSION	2
A.2 RADIATED EMISSION	6
A.2.1 Emissions within Restricted Frequency Bands.....	6
A.2.2 Emissions outside the frequency band:.....	15
A.2.3 Emissions in Non-restricted Frequency Bands:.....	16
A.3 20dB BANDWIDTH	17
A.3.1 20dB Bandwidth Result.....	17
A.3.2 Measurement Plots	18
A.4 CARRIER FREQUENCY SEPARATION	19
A.5 TIME OF OCCUPANCY.....	21
A.5.1 Time of Occupancy	21
A.6 NUMBER OF HOPPING CHANNELS	31
A.7 MAXIMUM PEAK OUTPUT POWER	32
A.7.1 Maximum Peak Output Power.....	32
A.7.2 Measurement Plots	33
A.8 EMISSION LIMITATIONS MEASUREMENT	34
A.8.1 Band Edge.....	34
A.8.2 Spurious Emission	36

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

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

A.1 CONDUCTED EMISSION

Test Date	2021/12/22	Temp./Hum.	22°C/67%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 (with INPAQ Antenna)		



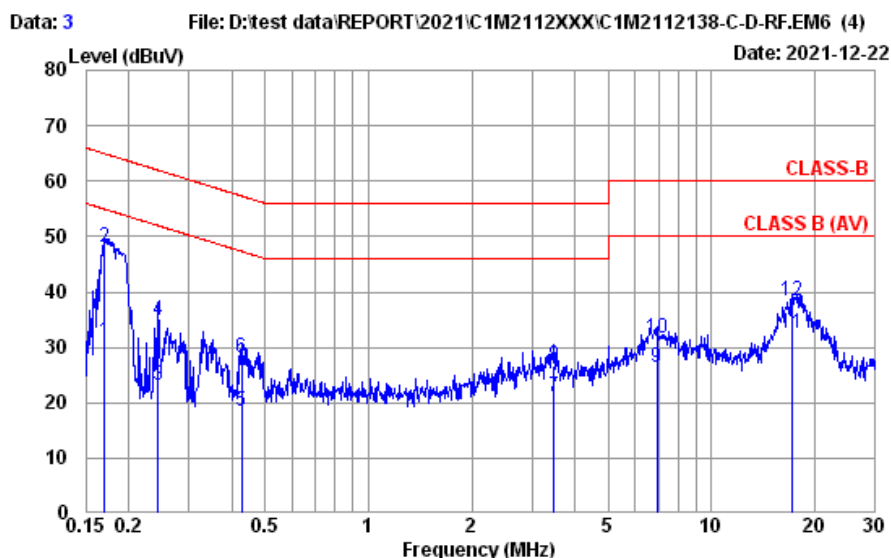
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.178	10.40	0.03	9.85	13.97	34.25	54.59	20.34	Average
2	0.178	10.40	0.03	9.85	27.52	47.80	64.59	16.79	QP
3	0.270	10.38	0.03	9.85	1.09	21.35	51.12	29.77	Average
4	0.270	10.38	0.03	9.85	10.58	30.84	61.12	30.28	QP
5	0.433	10.37	0.03	9.85	-0.50	19.75	47.20	27.45	Average
6	0.433	10.37	0.03	9.85	8.23	28.48	57.20	28.72	QP
7	1.135	10.39	0.04	9.85	-1.68	18.60	46.00	27.40	Average
8	1.135	10.39	0.04	9.85	2.82	23.10	56.00	32.90	QP
9	6.769	10.58	0.11	9.87	4.53	25.09	50.00	24.91	Average
10	6.769	10.58	0.11	9.87	9.06	29.62	60.00	30.38	QP
11	17.944	11.04	0.18	9.93	8.31	29.46	50.00	20.54	Average
12	17.944	11.04	0.18	9.93	13.86	35.01	60.00	24.99	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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New Taipei City244, Taiwan

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Fax: +886 2 26099303

Test Date	2021/12/22	Temp./Hum.	22°C/67%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 (with INPAQ Antenna)		



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 : LINE
Environment : 22°C / 67% Engineer : Roy Hung
EUT Model : 16Z90Q Test Rating : 120Vac/60Hz
Test Mode : Operating
INPAQ

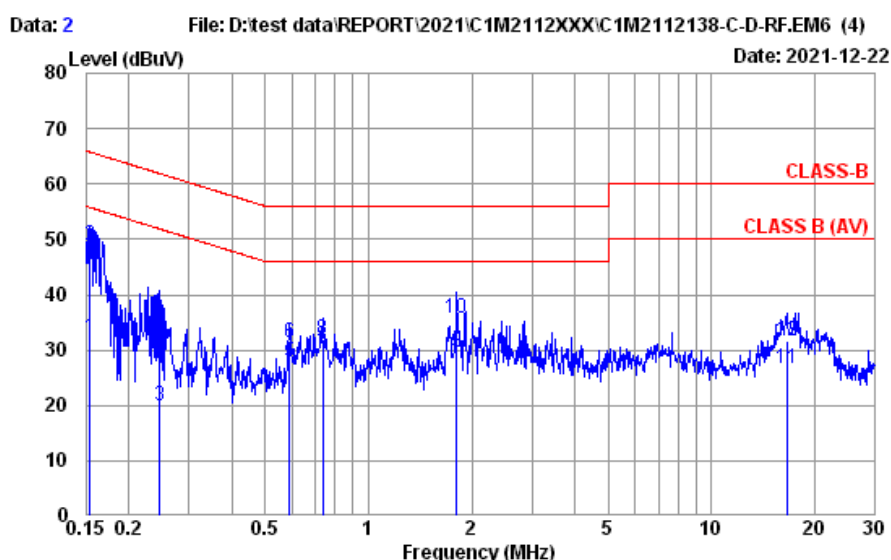
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.170	10.40	0.03	9.85	10.78	31.06	54.94	23.88	Average
2	0.170	10.40	0.03	9.85	27.66	47.94	64.94	17.00	QP
3	0.244	10.38	0.03	9.85	2.80	23.06	51.95	28.89	Average
4	0.244	10.38	0.03	9.85	14.51	34.77	61.95	27.18	QP
5	0.426	10.37	0.03	9.85	-1.69	18.56	47.33	28.77	Average
6	0.426	10.37	0.03	9.85	7.79	28.04	57.33	29.29	QP
7	3.472	10.42	0.08	9.86	0.81	21.17	46.00	24.83	Average
8	3.472	10.42	0.08	9.86	6.20	26.56	56.00	29.44	QP
9	6.951	10.50	0.12	9.87	5.85	26.34	50.00	23.66	Average
10	6.951	10.50	0.12	9.87	11.26	31.75	60.00	28.25	QP
11	17.109	10.72	0.18	9.92	11.64	32.46	50.00	17.54	Average
12	17.109	10.72	0.18	9.92	17.53	38.35	60.00	21.65	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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New Taipei City244, Taiwan

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Fax: +886 2 26099303

Test Date	2021/12/22	Temp./Hum.	22°C/67%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)		



Site No. : No.8 Shielded Room Data No. : 2
Instrument 1 : Receiver ESR3(774)
Instrument 2 : ENH432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B Phase : NEUTRAL
Environment : 22°C / 67% Engineer : Roy Hung
EUT Model : 16Z90Q Test Rating : 120Vac/60Hz
Test Mode : Operating
Luxshare

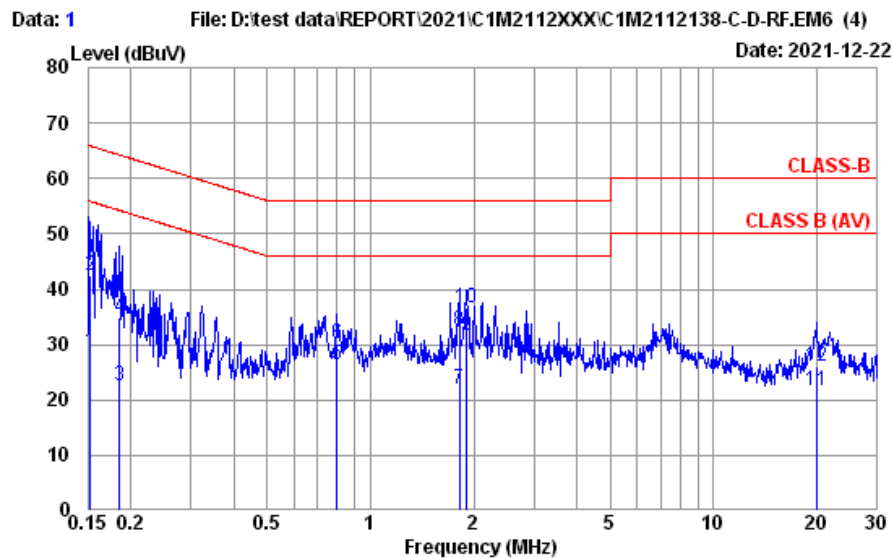
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.154	10.41	0.03	9.85	12.00	32.29	55.78	23.49	Average
2	0.154	10.41	0.03	9.85	28.65	48.94	65.78	16.84	QP
3	0.247	10.38	0.03	9.85	-0.34	19.92	51.86	31.94	Average
4	0.247	10.38	0.03	9.85	12.69	32.95	61.86	28.91	QP
5	0.589	10.37	0.03	9.85	7.67	27.92	46.00	18.08	Average
6	0.589	10.37	0.03	9.85	11.24	31.49	56.00	24.51	QP
7	0.735	10.38	0.04	9.85	8.97	29.24	46.00	16.76	Average
8	0.735	10.38	0.04	9.85	11.74	32.01	56.00	23.99	QP
9	1.810	10.41	0.06	9.86	9.33	29.66	46.00	16.34	Average
10	1.810	10.41	0.06	9.86	15.44	35.77	56.00	20.23	QP
11	16.573	10.99	0.18	9.92	5.45	26.54	50.00	23.46	Average
12	16.573	10.99	0.18	9.92	10.66	31.75	60.00	28.25	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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New Taipei City244, Taiwan

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

Test Date	2021/12/22	Temp./Hum.	22°C/67%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)		



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR3(774)		
Instrument 2	: EMI432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B	Phase	: LINE
Environment	: 22°C / 67%	Engineer	: Roy Hung
EUT Model	: 16Z90Q	Test Rating	: 120Vac/60Hz
Test Mode	: Operating Luxshare		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.153	10.40	0.03	9.85	8.56	28.84	55.84	27.00	Average
2	0.153	10.40	0.03	9.85	22.09	42.37	65.84	23.47	QP
3	0.185	10.39	0.03	9.85	2.38	22.65	54.24	31.59	Average
4	0.185	10.39	0.03	9.85	14.49	34.76	64.24	29.48	QP
5	0.800	10.38	0.04	9.85	6.19	26.46	46.00	19.54	Average
6	0.800	10.38	0.04	9.85	9.77	30.04	56.00	25.96	QP
7	1.819	10.40	0.06	9.86	1.68	22.00	46.00	24.00	Average
8	1.819	10.40	0.06	9.86	12.16	32.48	56.00	23.52	QP
9	1.908	10.40	0.06	9.86	11.22	31.54	46.00	14.46	Average
10	1.908	10.40	0.06	9.86	16.34	36.66	56.00	19.34	QP
11	19.950	10.77	0.19	9.94	0.91	21.81	50.00	28.19	Average
12	19.950	10.77	0.19	9.94	5.28	26.18	60.00	33.82	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	2021/12/22 ~ 2022/01/02	Temp./Hum.	20 ~ 23°C/60 ~ 69%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Kuper Hsu
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)		

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 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
34.850	21.77	1.28	32.43	47.54	38.16	40.00	1.84	Peak
215.270	16.12	3.53	32.24	49.89	37.30	43.50	6.20	Peak
317.120	19.50	4.53	32.25	49.64	41.42	46.00	4.58	Peak
677.960	24.68	7.17	32.13	39.28	39.00	46.00	7.00	Peak
888.450	26.26	8.37	31.53	38.82	41.92	46.00	4.08	Peak
962.170	26.83	8.78	30.89	31.10	35.82	54.00	18.18	Peak

Antenna at Vertical Polarization

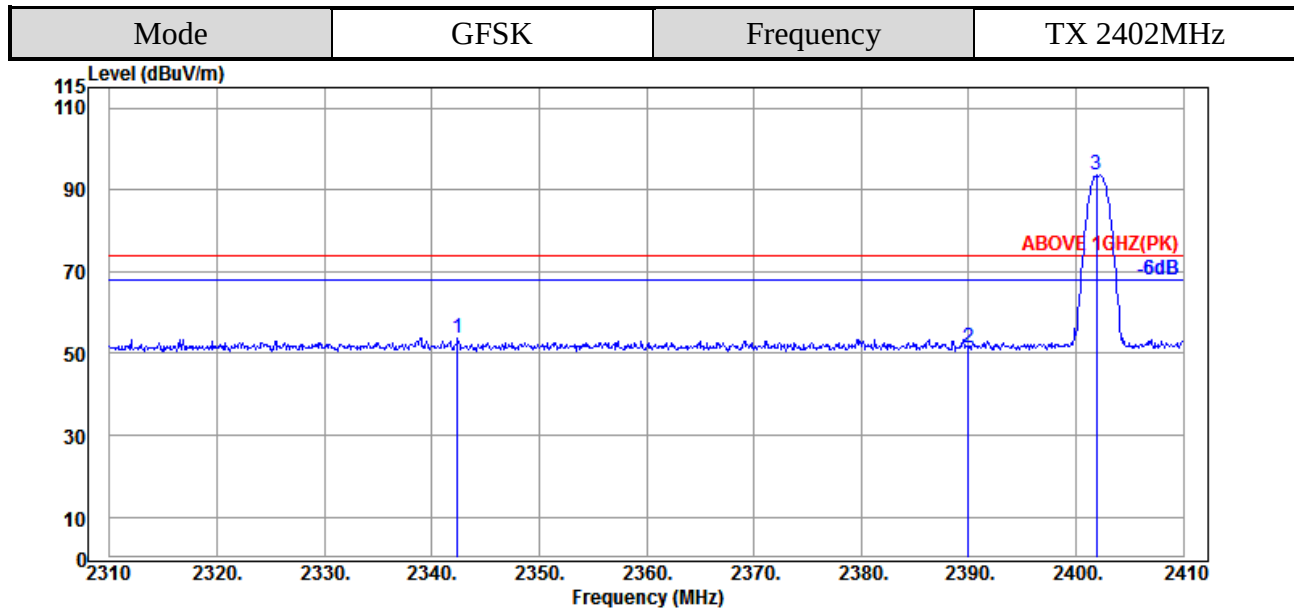
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30.970	23.26	1.20	32.43	44.34	36.37	40.00	3.63	Peak
94.020	15.49	2.20	32.36	55.32	40.65	43.50	2.85	Peak
317.120	19.50	4.53	32.25	52.53	44.31	46.00	1.69	Peak
508.210	23.22	6.46	32.23	42.83	40.28	46.00	5.72	Peak
896.210	26.29	8.42	31.50	33.32	36.53	46.00	9.47	Peak
970.900	26.91	8.83	30.81	31.93	36.86	54.00	17.14	Peak

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New Taipei City244, Taiwan

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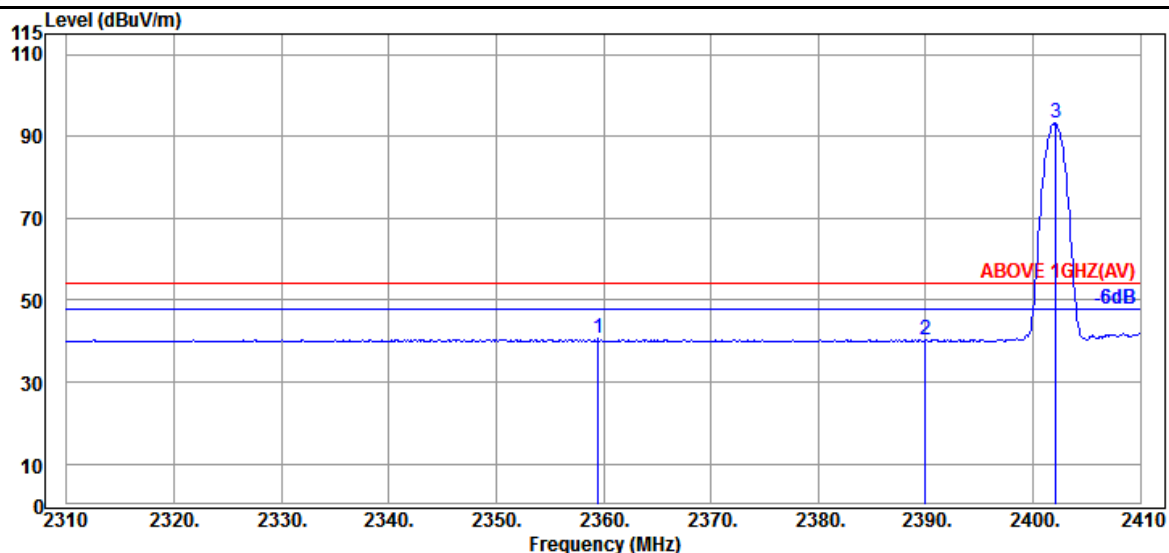
A.2.1.3 Frequency Above 1 GHz to 10th harmonics

Band Edge:



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
2342.400	27.50	5.96	33.23	53.63	53.86	74.00	20.14	Peak
2390.000	27.57	6.04	33.19	50.77	51.19	74.00	22.81	Peak
@ 2401.900	27.60	6.04	33.19	93.10	93.55	---	---	Peak



Antenna at Horizontal Polarization

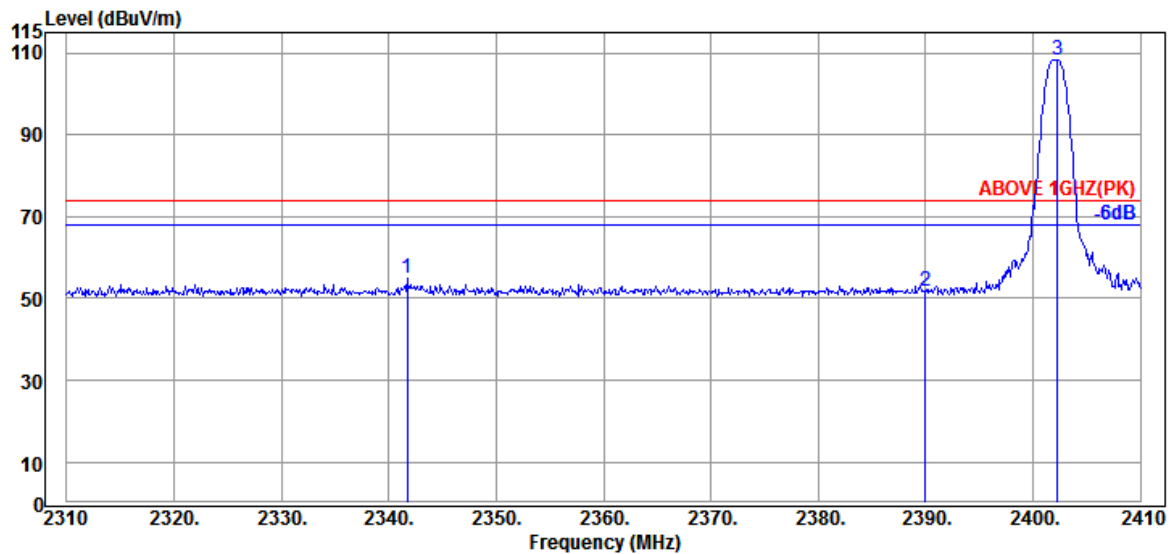
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2359.500	27.51	5.98	33.22	40.24	40.51	54.00	13.49	Average
2390.000	27.57	6.04	33.19	39.80	40.22	54.00	13.78	Average
@ 2402.100	27.60	6.04	33.19	92.70	93.15	---	---	Average

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

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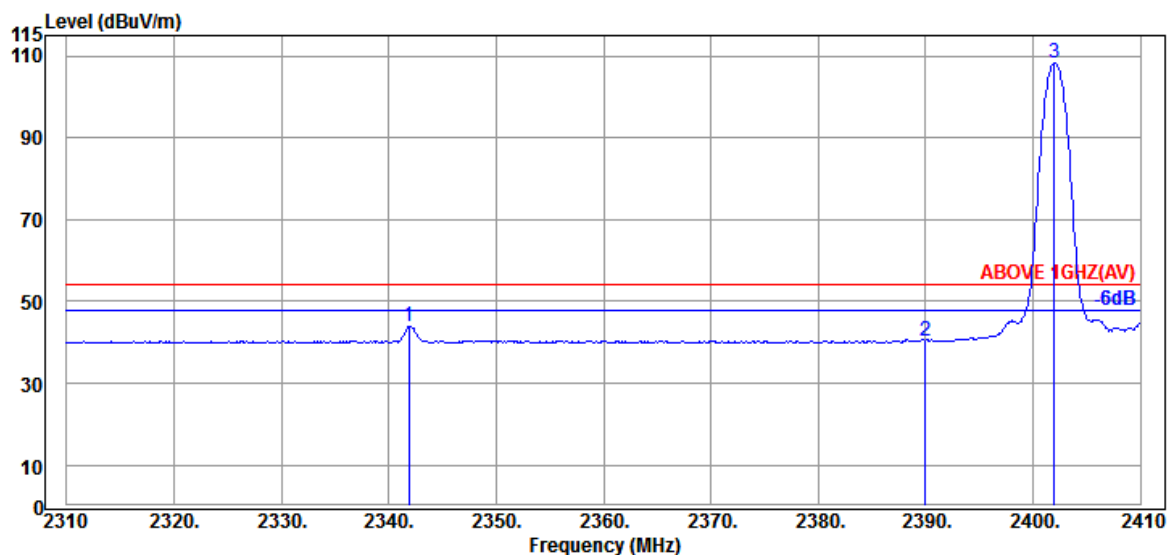
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Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2341.700	27.50	5.96	33.23	54.68	54.91	74.00	19.09	Peak
2390.000	27.57	6.04	33.19	51.32	51.74	74.00	22.26	Peak
@ 2402.300	27.60	6.04	33.19	107.92	108.37	---	---	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
2341.900	27.50	5.96	33.23	43.67	43.90	54.00	10.10	Average
2390.000	27.57	6.04	33.19	39.96	40.38	54.00	13.62	Average
@ 2402.000	27.60	6.04	33.19	107.67	108.12	---	---	Average

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

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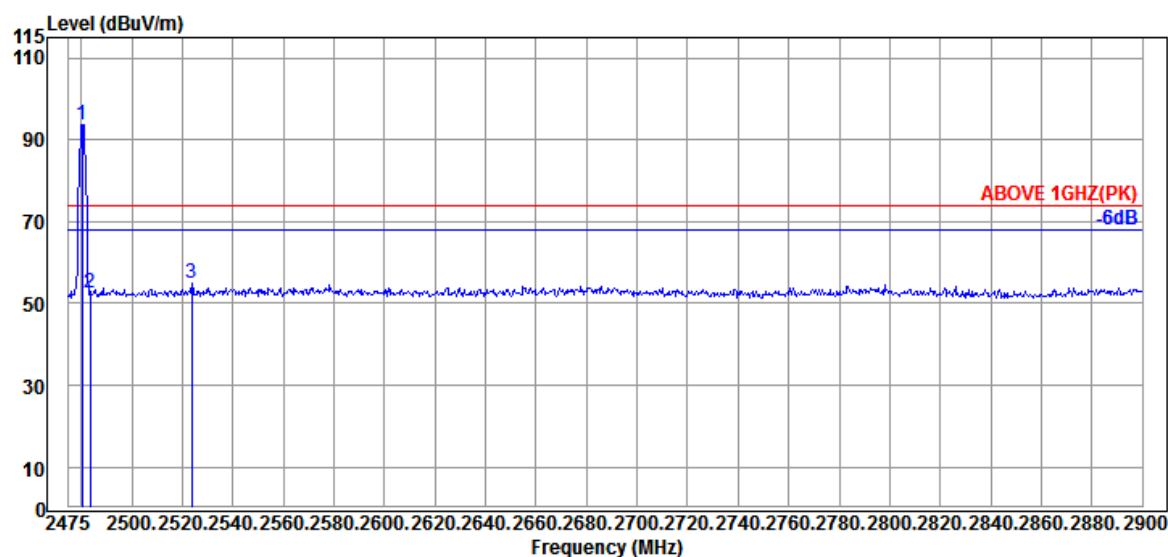
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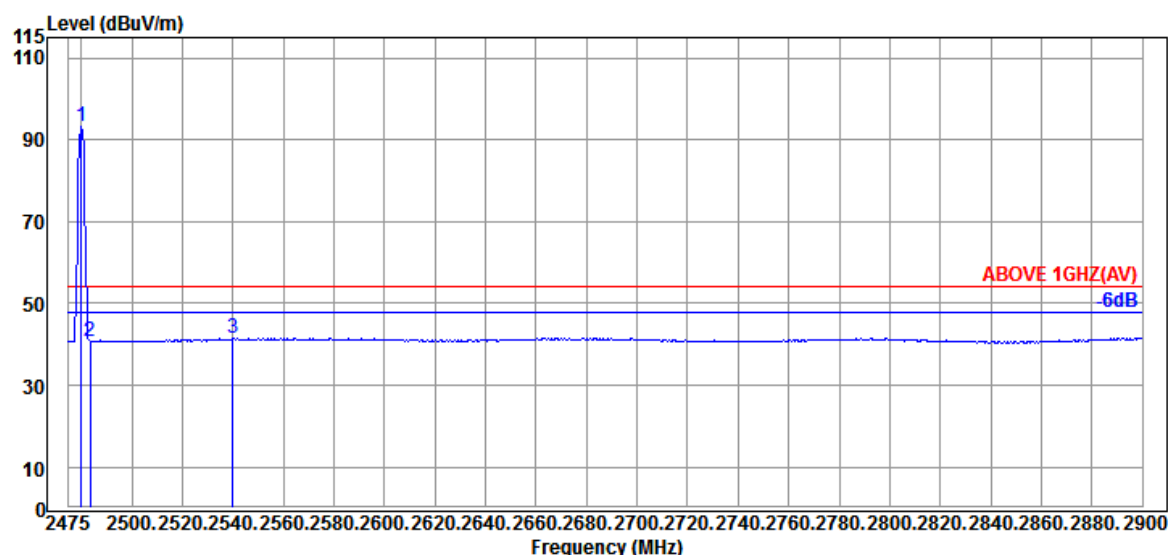
Fax: +886 2 26099303

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.525	27.97	6.18	33.12	92.63	93.66	---	---	Peak
2483.500	28.01	6.18	33.11	51.64	52.72	74.00	21.28	Peak
2523.875	28.14	6.25	33.08	53.51	54.82	74.00	19.18	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.100	27.97	6.18	33.12	92.35	93.38	---	---	Average
2483.500	28.01	6.18	33.11	39.79	40.87	54.00	13.13	Average
2540.025	28.19	6.28	33.07	40.28	41.68	54.00	12.32	Average

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

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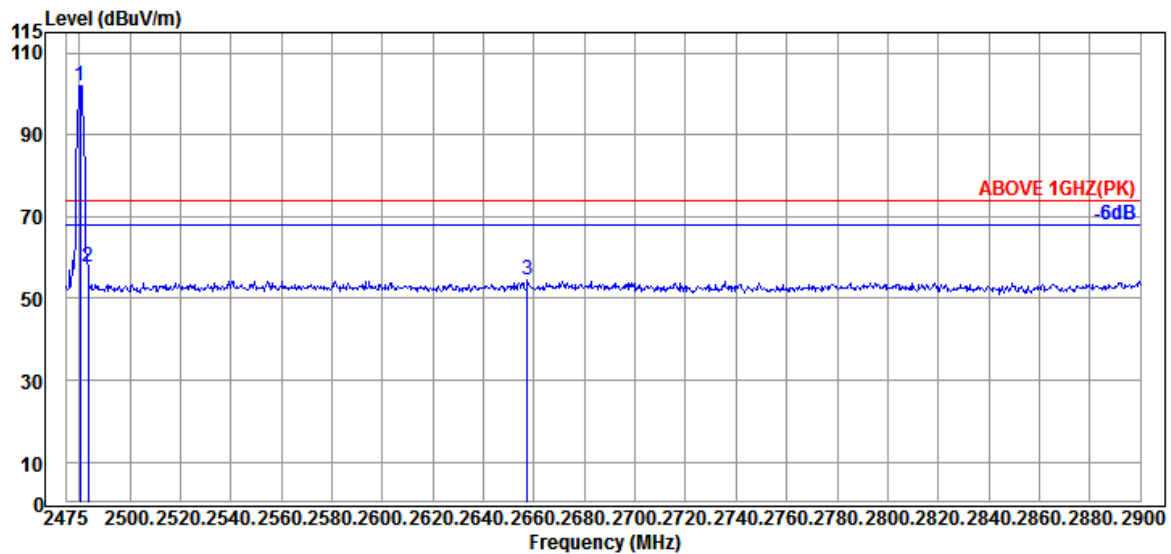
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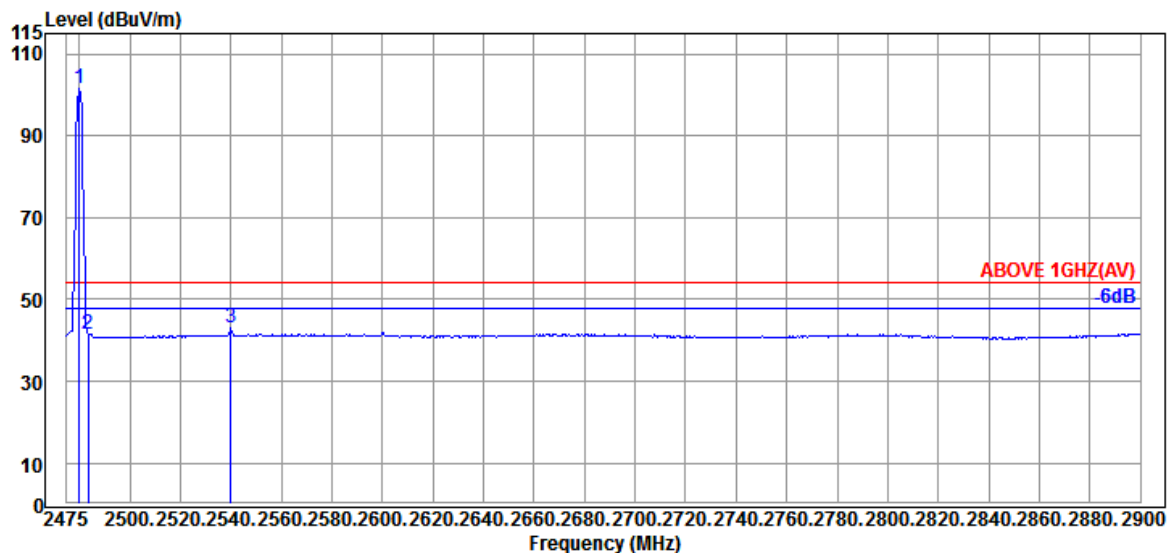
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.525	27.97	6.18	33.12	101.10	102.13	---	---	Peak
2483.500	28.01	6.18	33.11	56.65	57.73	74.00	16.27	Peak
2657.325	28.81	6.41	32.99	52.24	54.47	74.00	19.53	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
@ 2480.100	27.97	6.18	33.12	100.70	101.73	---	---	Average
2483.500	28.01	6.18	33.11	40.45	41.53	54.00	12.47	Average
2540.025	28.19	6.28	33.07	41.62	43.02	54.00	10.98	Average

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

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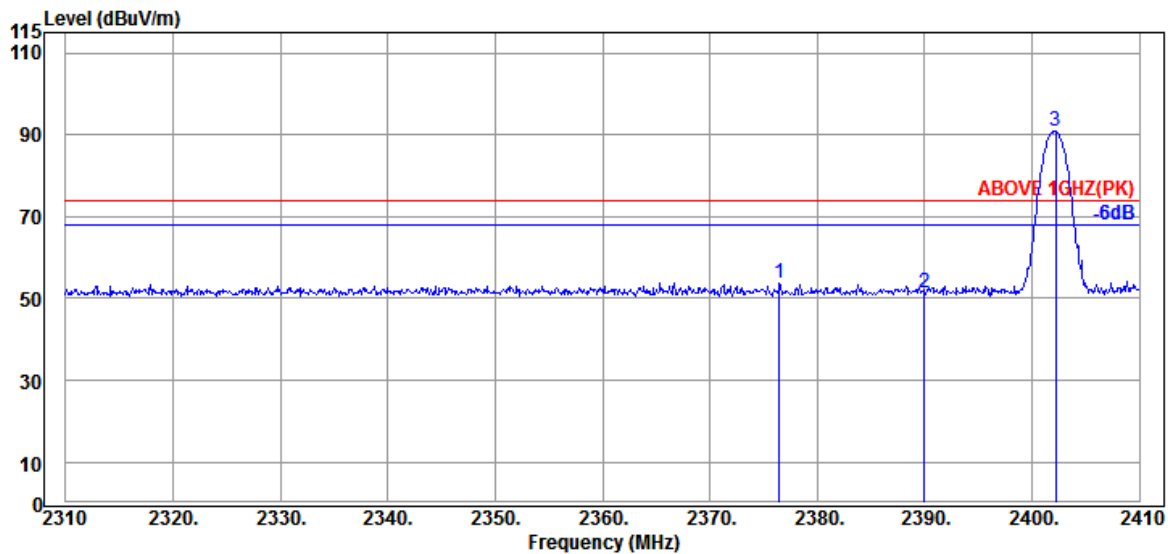
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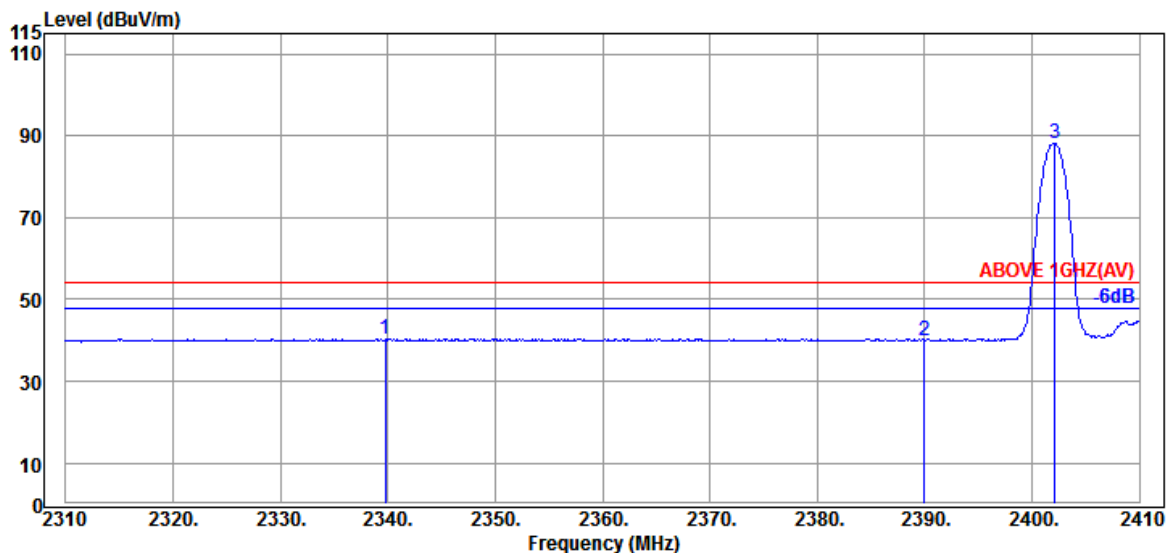
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2376.500	27.54	6.01	33.21	53.41	53.75	74.00	20.25	Peak
2390.000	27.57	6.04	33.19	51.04	51.46	74.00	22.54	Peak
@ 2402.200	27.60	6.04	33.19	90.37	90.82	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2339.800	27.50	5.96	33.24	40.14	40.36	54.00	13.64	Average
2390.000	27.57	6.04	33.19	39.69	40.11	54.00	13.89	Average
@ 2402.100	27.60	6.04	33.19	87.79	88.24	---	---	Average

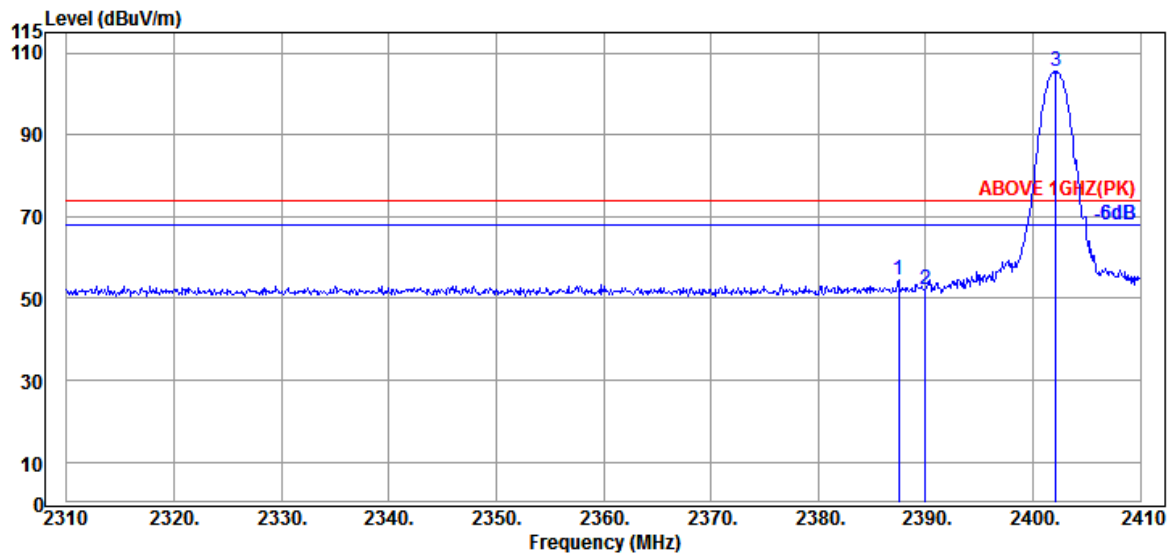
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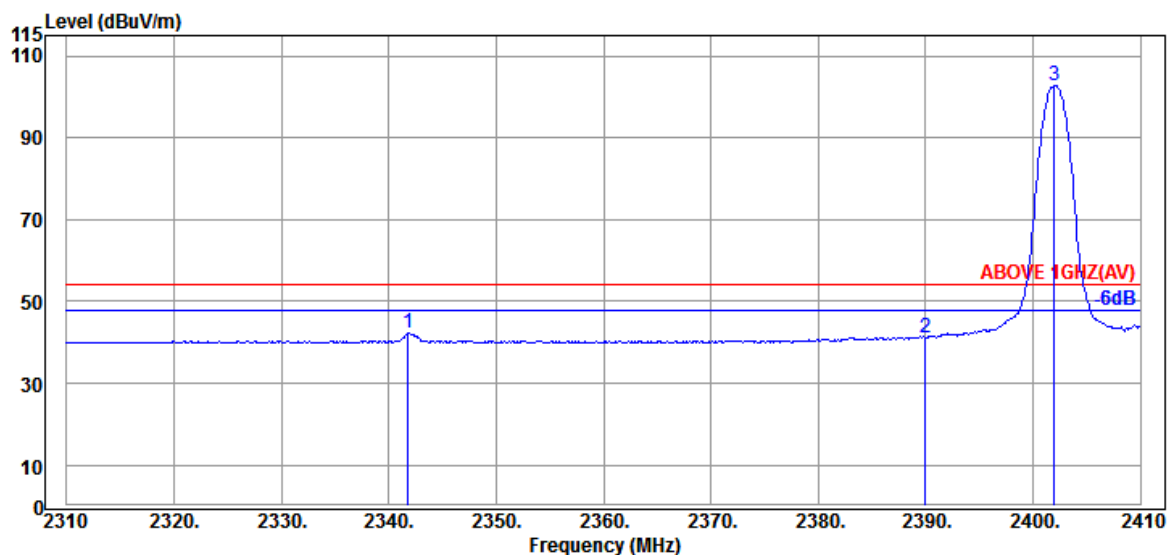
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2387.500	27.57	6.04	33.19	53.92	54.34	74.00	19.66	Peak
2390.000	27.57	6.04	33.19	51.71	52.13	74.00	21.87	Peak
@ 2402.100	27.60	6.04	33.19	105.04	105.49	---	---	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2341.800	27.50	5.96	33.23	41.88	42.11	54.00	11.89	Average
2390.000	27.57	6.04	33.19	40.84	41.26	54.00	12.74	Average
@ 2402.000	27.60	6.04	33.19	102.42	102.87	---	---	Average

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

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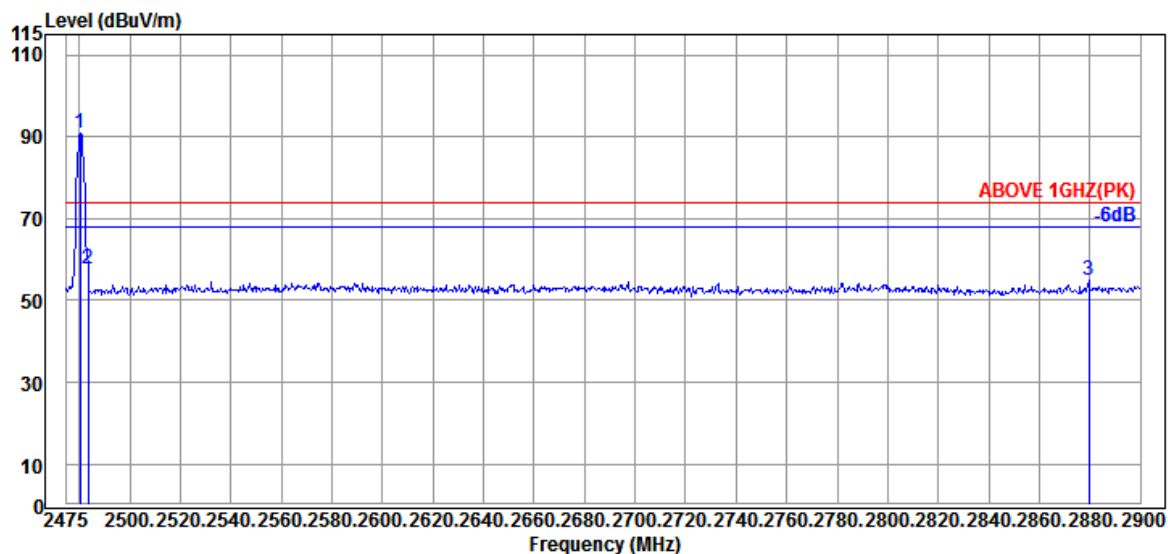
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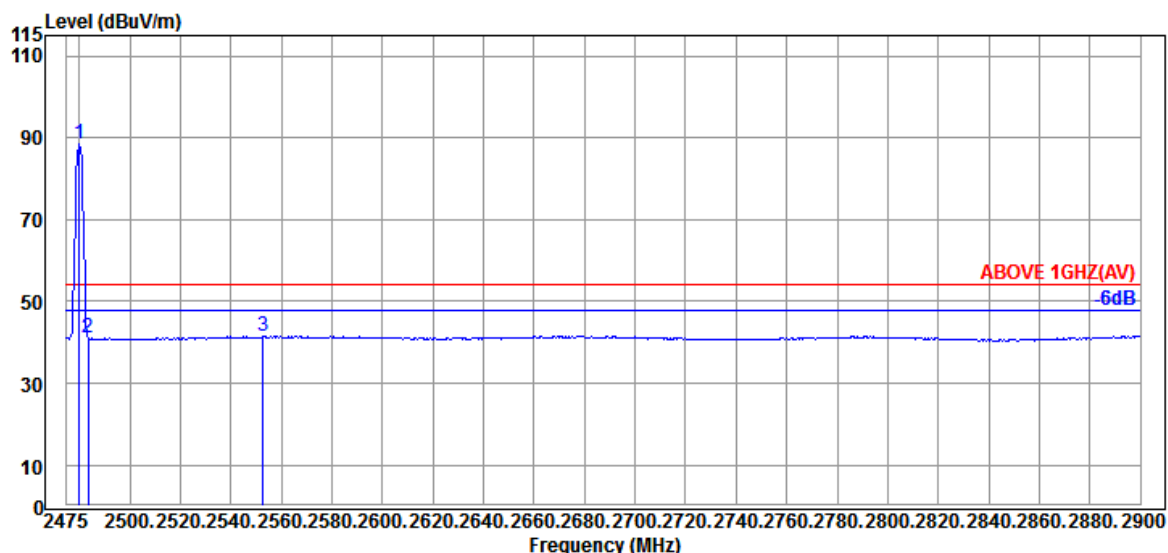
Fax: +886 2 26099303

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
@ 2480.525	27.97	6.18	33.12	89.81	90.84	---	---	Peak
2483.500	28.01	6.18	33.11	56.71	57.79	74.00	16.21	Peak
2879.600	29.10	6.71	32.83	51.93	54.91	74.00	19.09	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
@ 2480.100	27.97	6.18	33.12	87.40	88.43	---	---	Average
2483.500	28.01	6.18	33.11	40.08	41.16	54.00	12.84	Average
2552.775	28.20	6.28	33.06	40.26	41.68	54.00	12.32	Average

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

File Number: C1M2112138

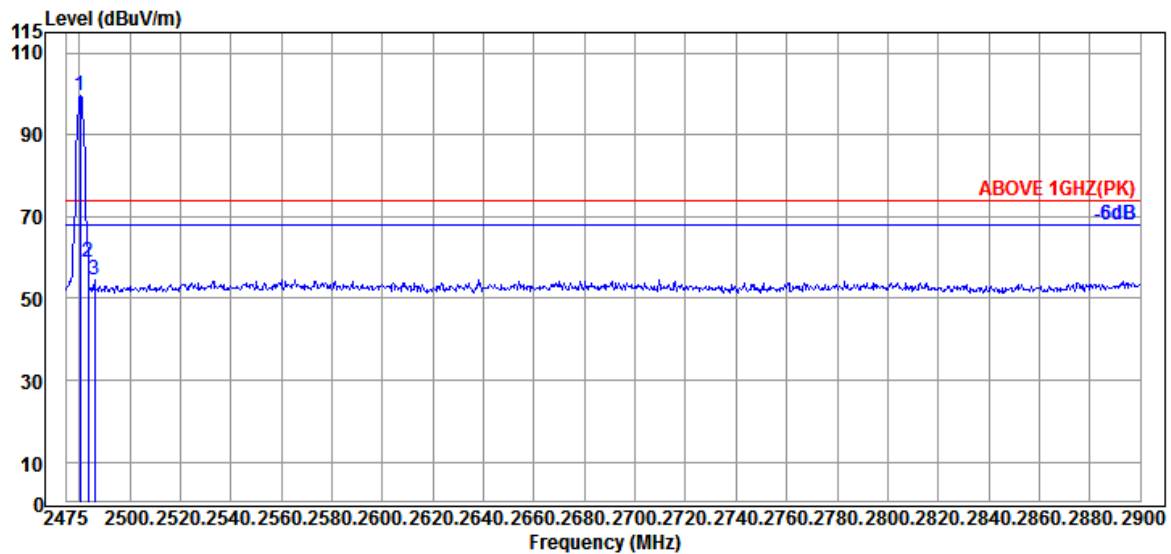
Report Number: EM-F210906

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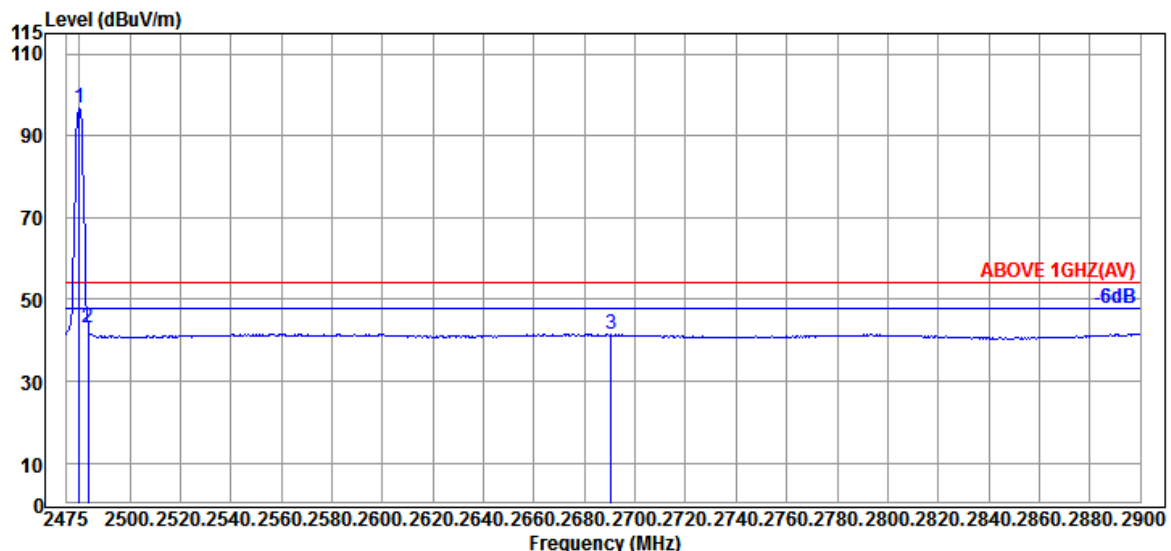
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Fax: +886 2 26099303

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 (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.525	27.97	6.18	33.12	98.57	99.60	---	---	Peak
2483.500	28.01	6.18	33.11	57.67	58.75	74.00	15.25	Peak
2486.050	28.01	6.18	33.11	53.63	54.71	74.00	19.29	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.100	27.97	6.18	33.12	95.94	96.97	---	---	Average
2483.500	28.01	6.18	33.11	42.03	43.11	54.00	10.89	Average
2690.475	28.87	6.45	32.96	39.32	41.68	54.00	12.32	Average

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

File Number: C1M2112138

Report Number: EM-F210906

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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)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.70	8.68	31.70	33.43	43.11	54.00	10.89	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.70	8.68	31.70	33.95	43.63	54.00	10.37	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	32.90	8.72	31.67	33.32	43.27	54.00	10.73	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	32.90	8.72	31.67	33.17	43.12	54.00	10.88	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.05	8.77	31.64	33.71	43.89	54.00	10.11	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.05	8.77	31.64	33.25	43.43	54.00	10.57	Peak

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New Taipei City 244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

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	2021/12/17	Temp./Hum.	21°C /60%
Cable Loss	1.00dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.3.1 20dB Bandwidth Result

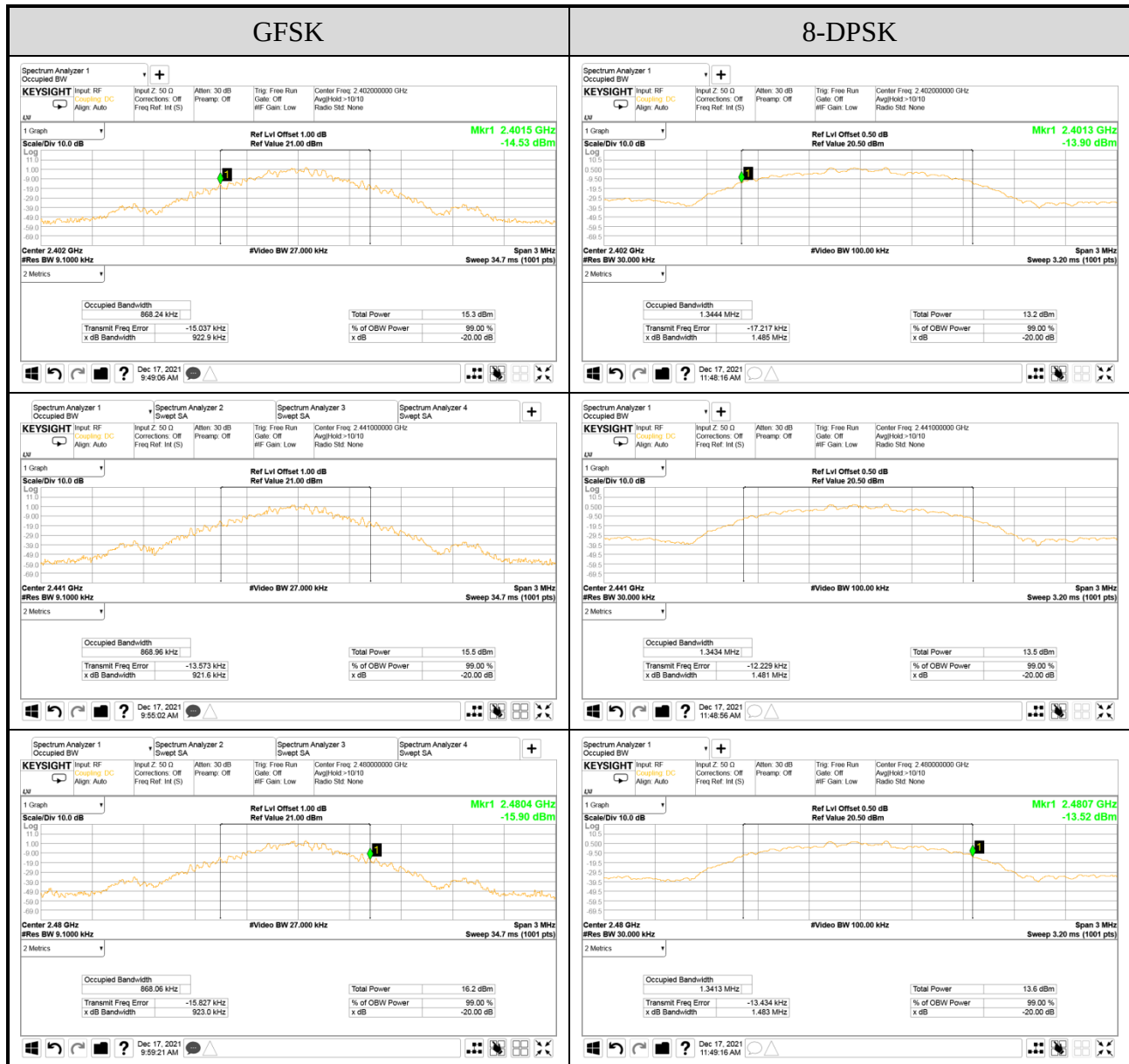
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9229	0.86824	0.615
	2441	0.9216	0.86896	0.614
	2480	0.9230	0.86806	0.615
8-DPSK	2402	1.485	1.3444	0.990
	2441	1.481	1.3434	0.987
	2480	1.483	1.3413	0.989

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

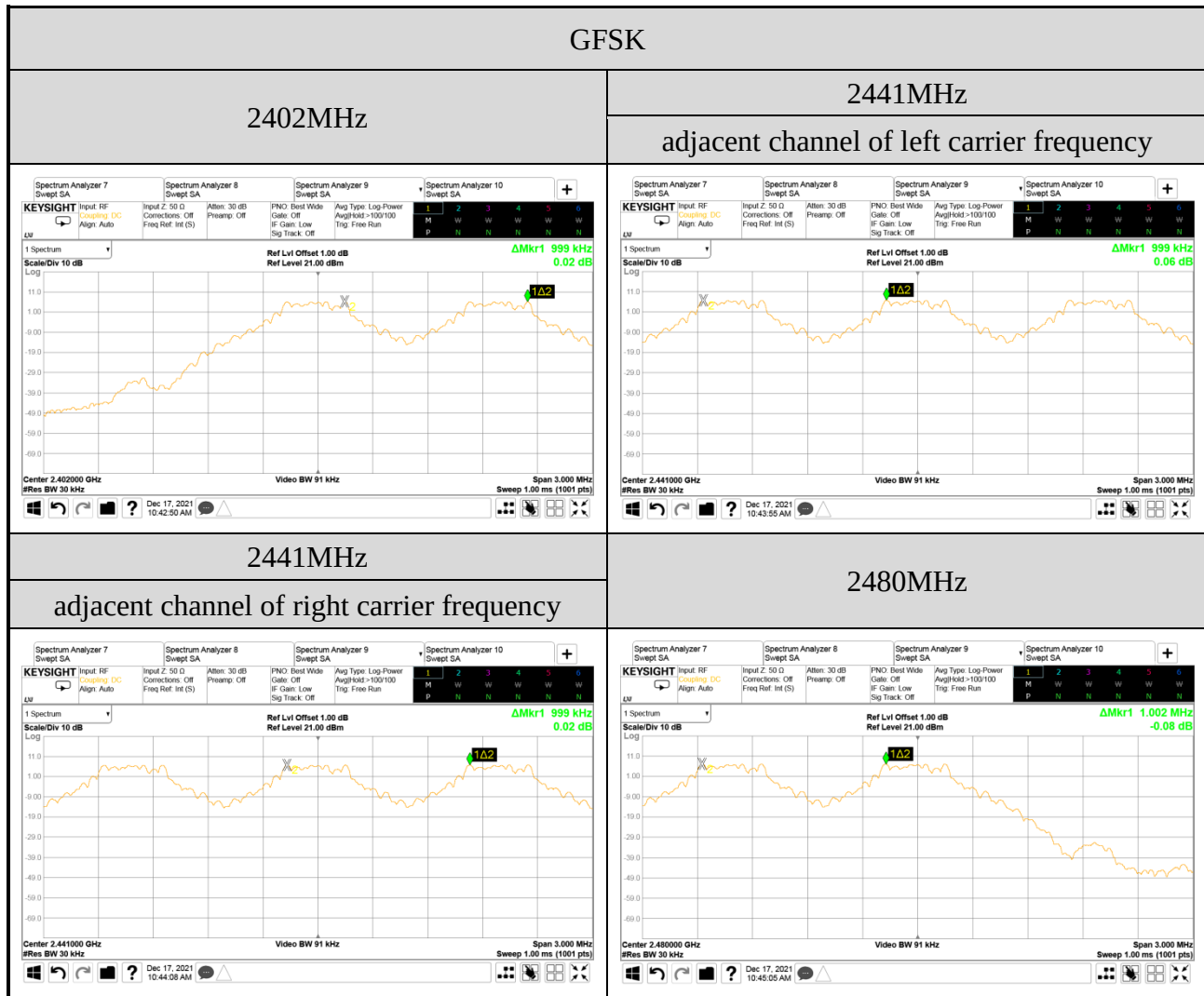


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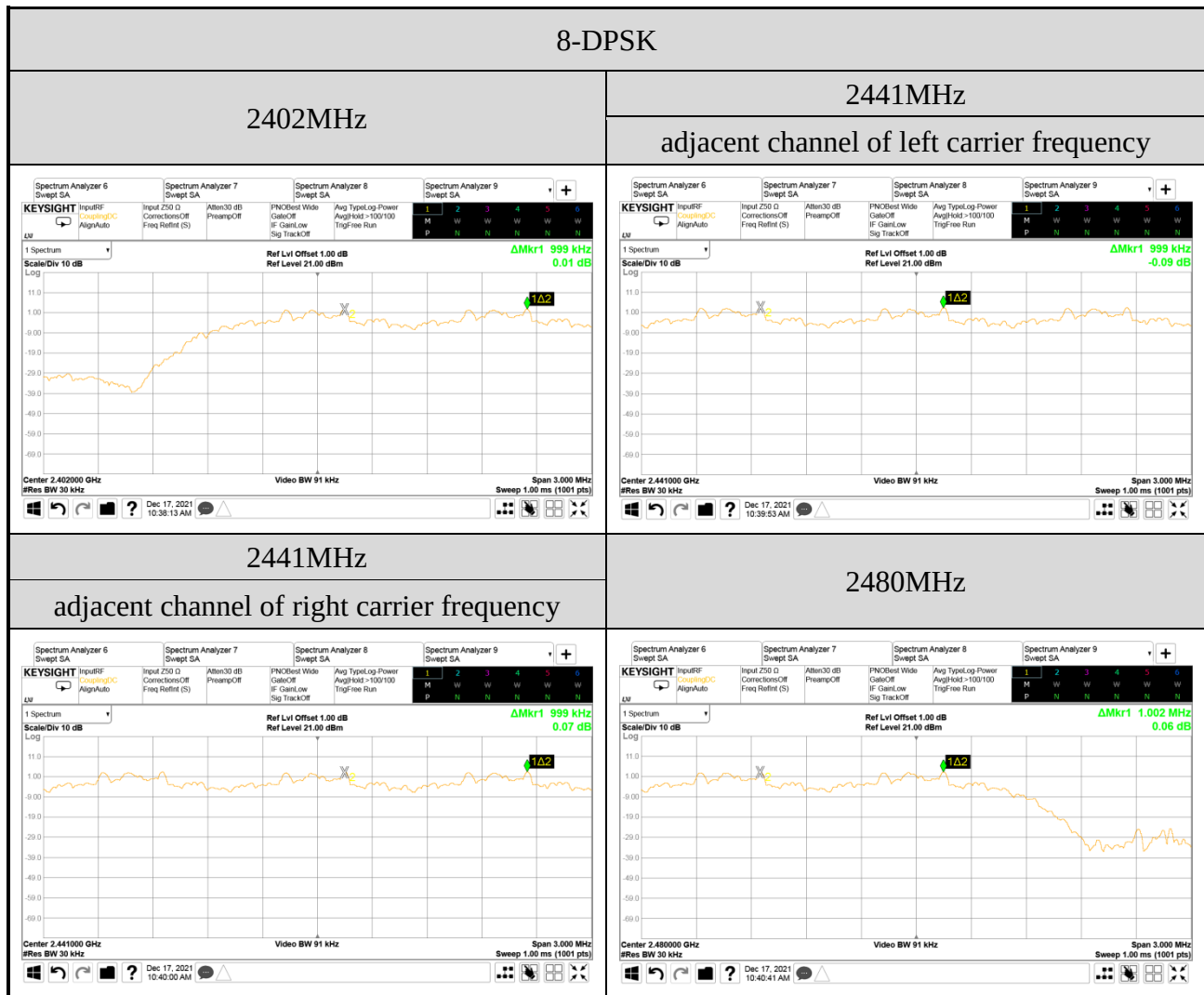
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2021/12/17	Temp./Hum.	21°C/60%
Cable Loss	1.00dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		



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A.5 TIME OF OCCUPANCY

Test Date	2021/12/17	Temp./Hum.	21°C/60%
Cable Loss	1.00dB	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	0.380	120.080	<400
		DH3	5	1.630	257.540	<400
		DH5	3	2.890	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
 $10 \text{ transmission} * 31.6 \text{ seconds} * 0.380 \text{ ms} = 120.080 \text{ ms} (<400\text{ms})$

DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is
 $5 \text{ transmission} * 31.6 \text{ seconds} * 1.630 \text{ ms} = 257.540 \text{ ms} (<400\text{ms})$

DH5 Mode

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

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	5	1.640	259.120	<400
		DH5	3	2.880	273.024	<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 5 transmission appearance, the longest time of occupancy is
 $5 \text{ transmission} * 31.6 \text{ seconds} * 1.640 \text{ ms} = 259.120 \text{ ms} (<400\text{ms})$

DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is
 $3 \text{ transmission} * 31.6 \text{ seconds} * 2.880 \text{ ms} = 273.024 \text{ ms} (<400\text{ms})$

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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	1.640	259.120	<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* 1.640 ms= 259.120 ms (<400ms)

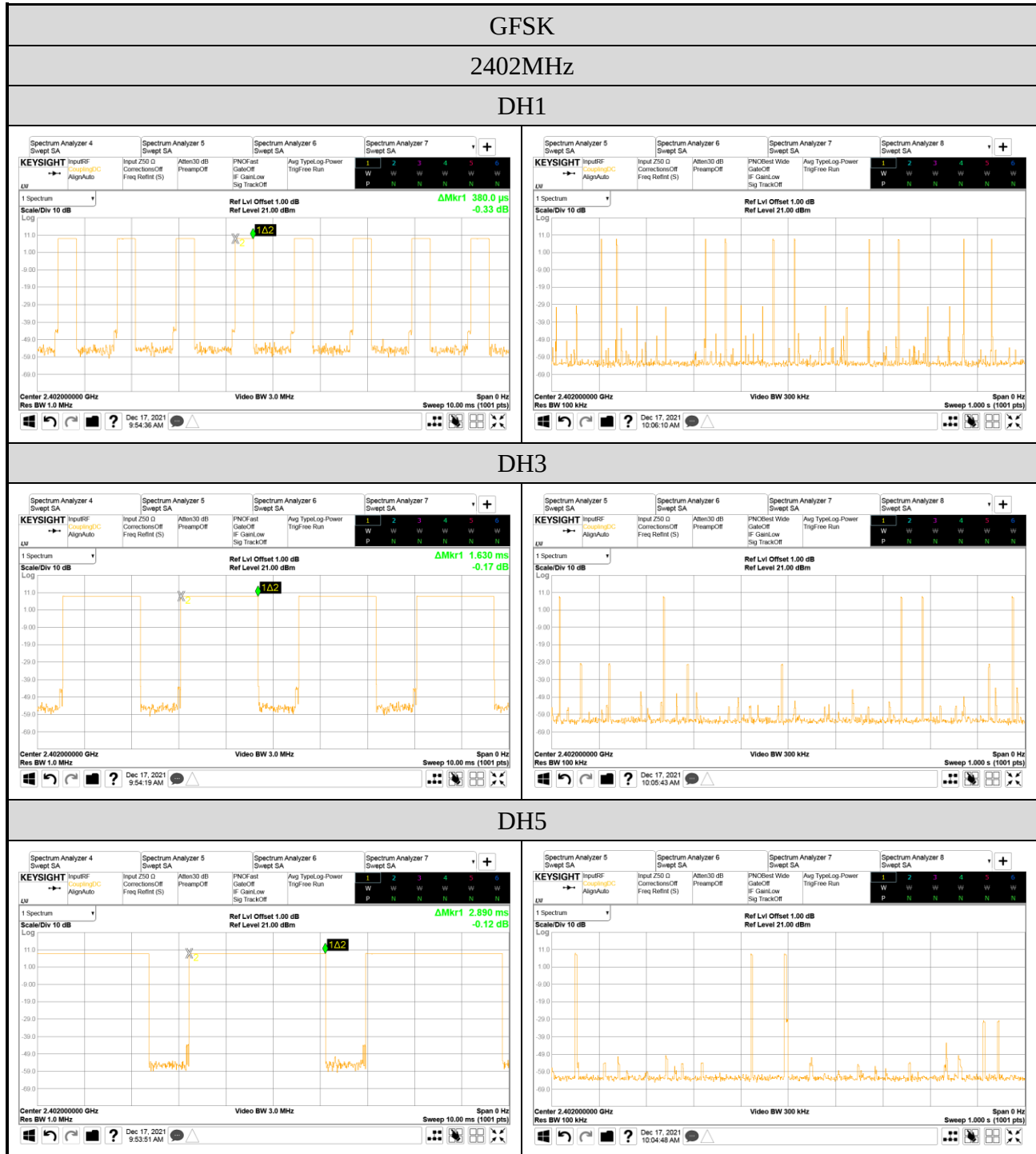
DH5 Mode

For each second of 3 transmission appearance, the longest time of occupancy is
3 transmission* 31.6 seconds* 2.880 ms= 273.024 ms (<400ms)

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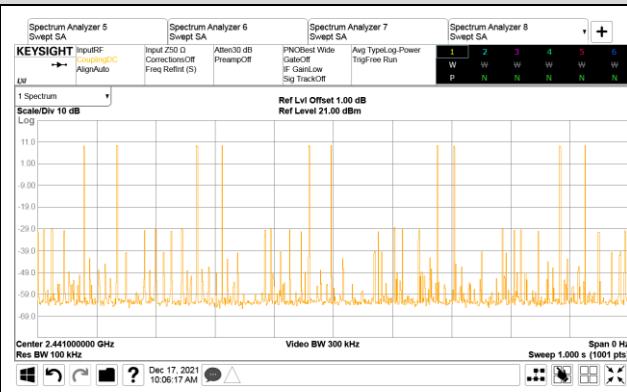
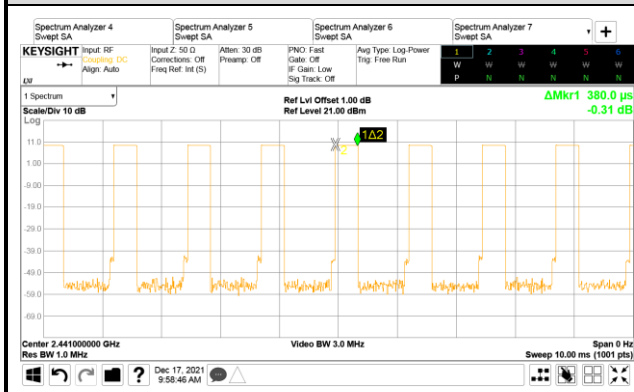
● Measurement Plots



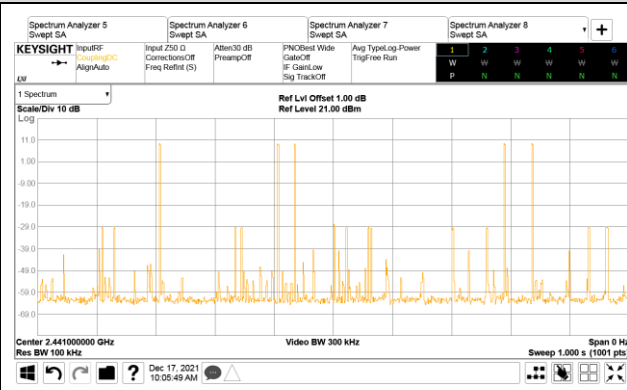
GFSK

2441MHz

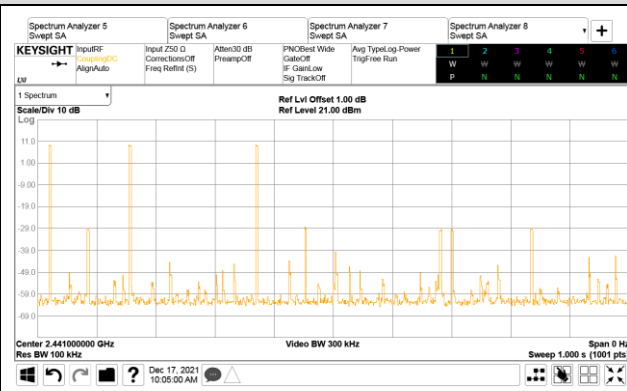
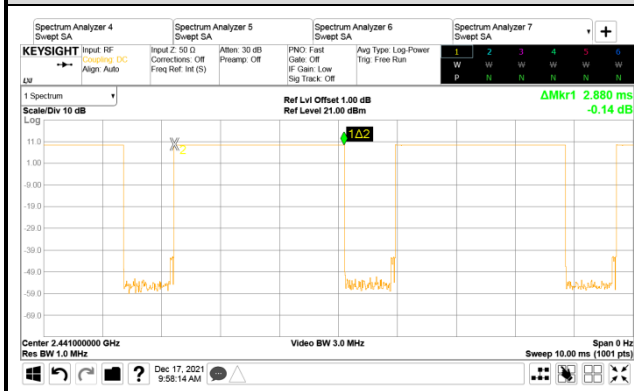
DH1



DH3



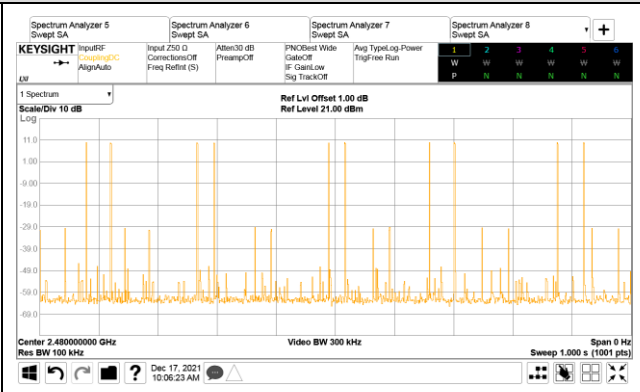
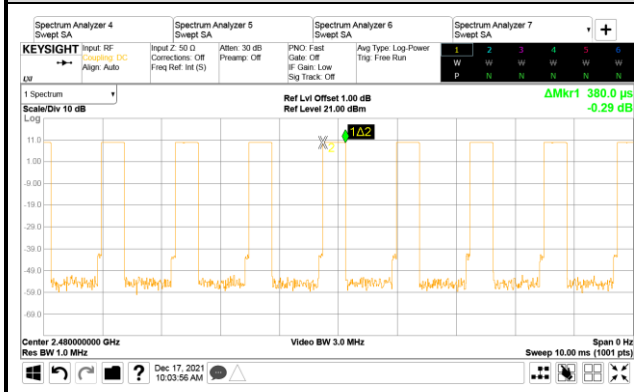
DH5



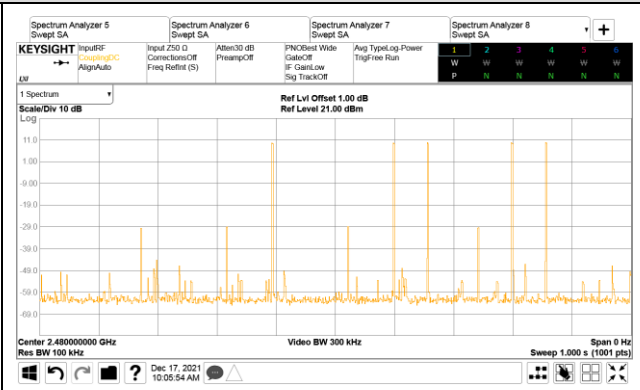
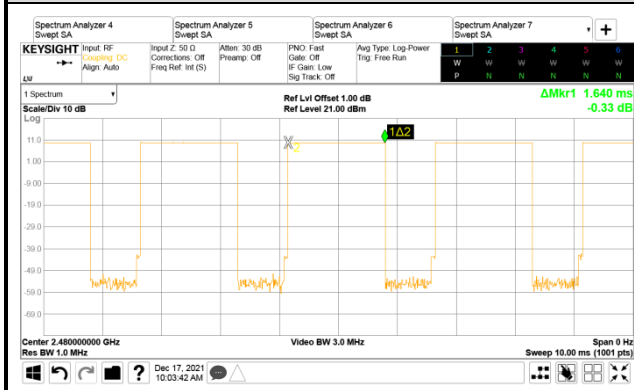
GFSK

2480MHz

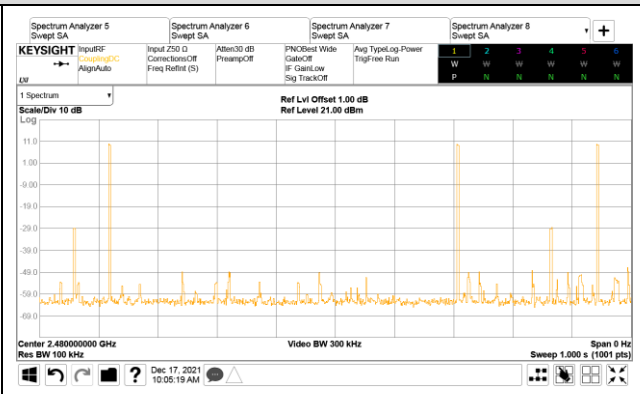
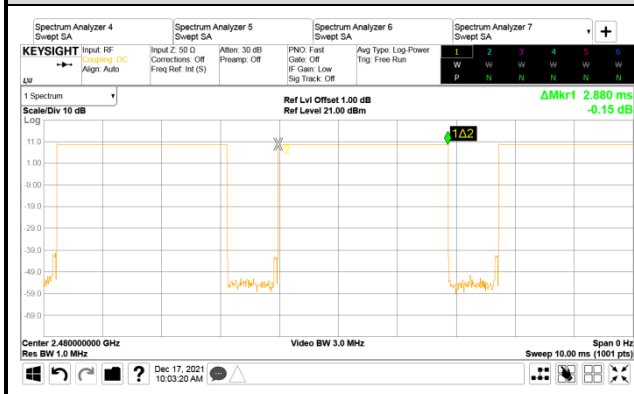
DH1



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	0.380	120.080	<400
		3DH3	5	1.640	259.120	<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* 0.380 ms= 120.080 ms (<400ms)

3DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is
5 transmission* 31.6 seconds* 1.640 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	0.390	123.240	<400
		3DH3	5	1.640	259.120	<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* 1.640 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	0.390	123.240	<400
		3DH3	5	1.640	259.120	<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* **1.640** 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)

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● Measurement Plots

8-DPSK

2402MHz

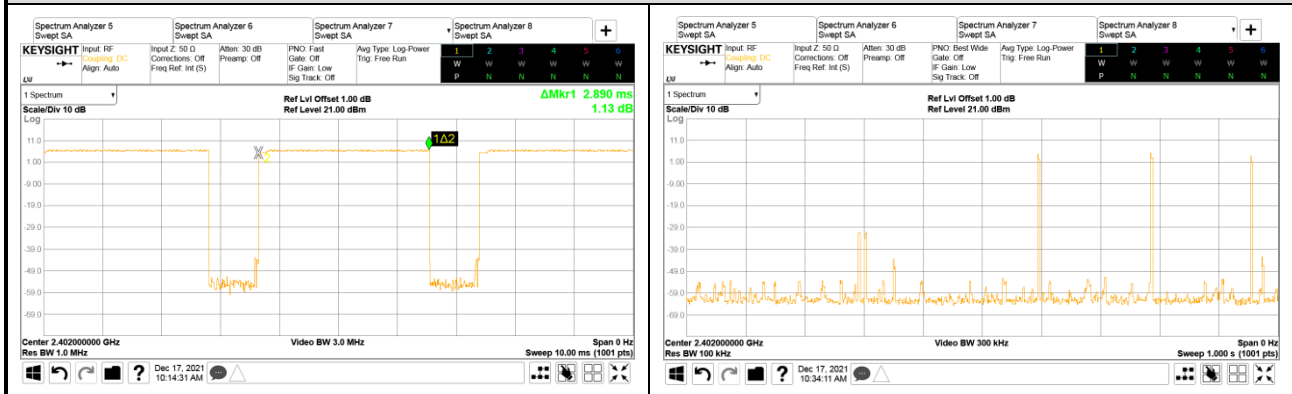
3DH1



3DH3



3DH5



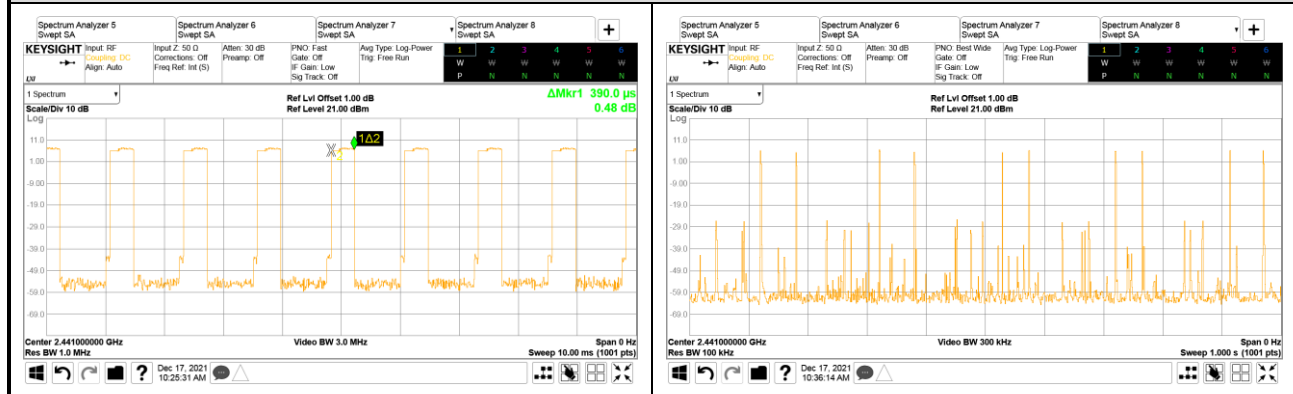
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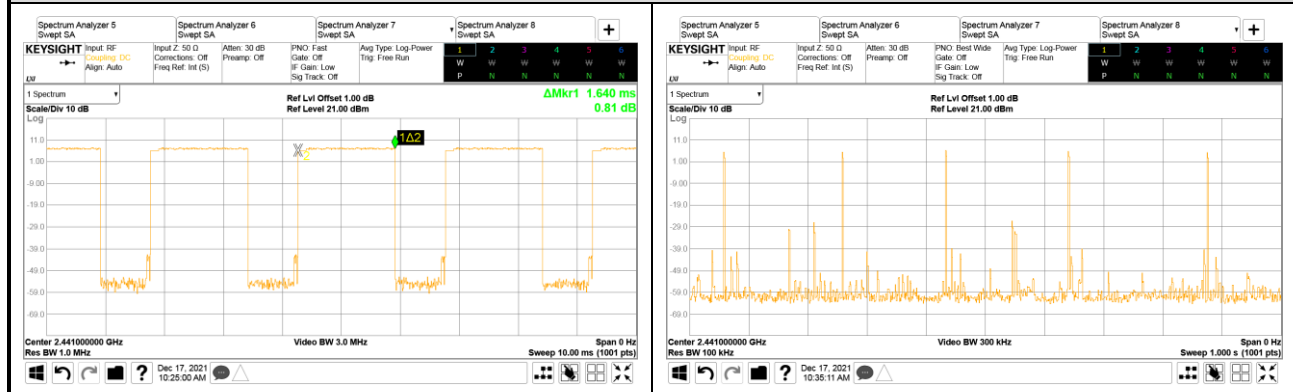
8-DPSK

2441MHz

3DH1



3DH3



3DH5



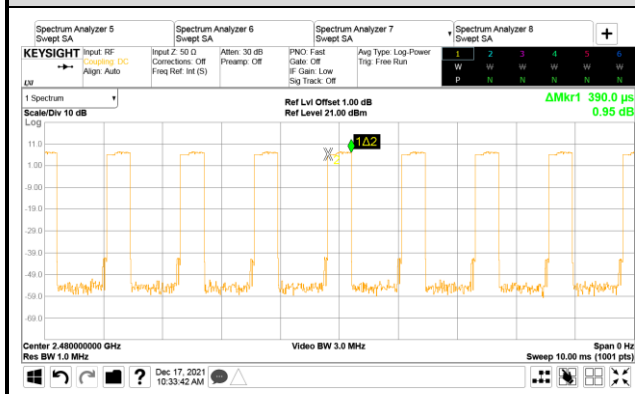
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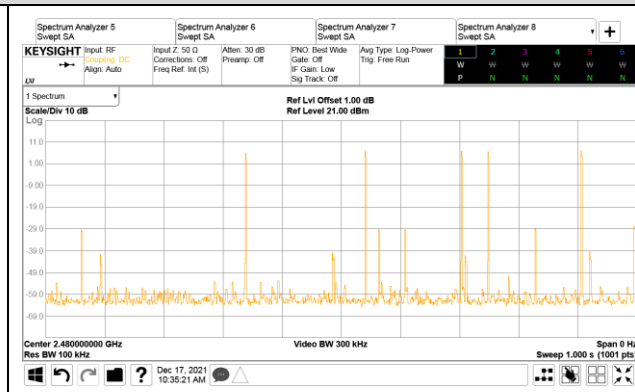
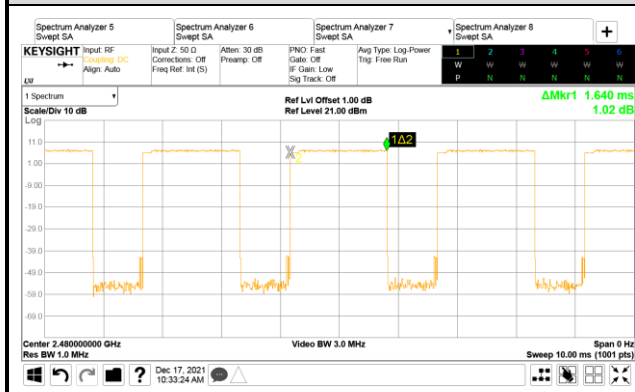
8-DPSK

2480MHz

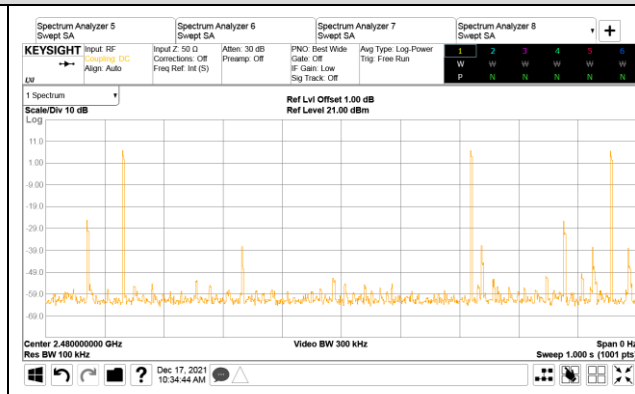
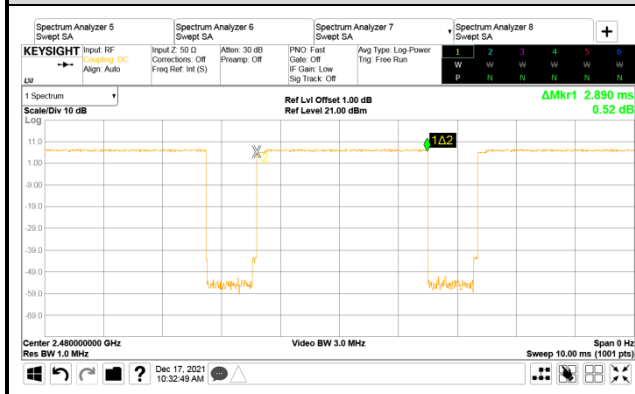
3DH1



3DH3



3DH5

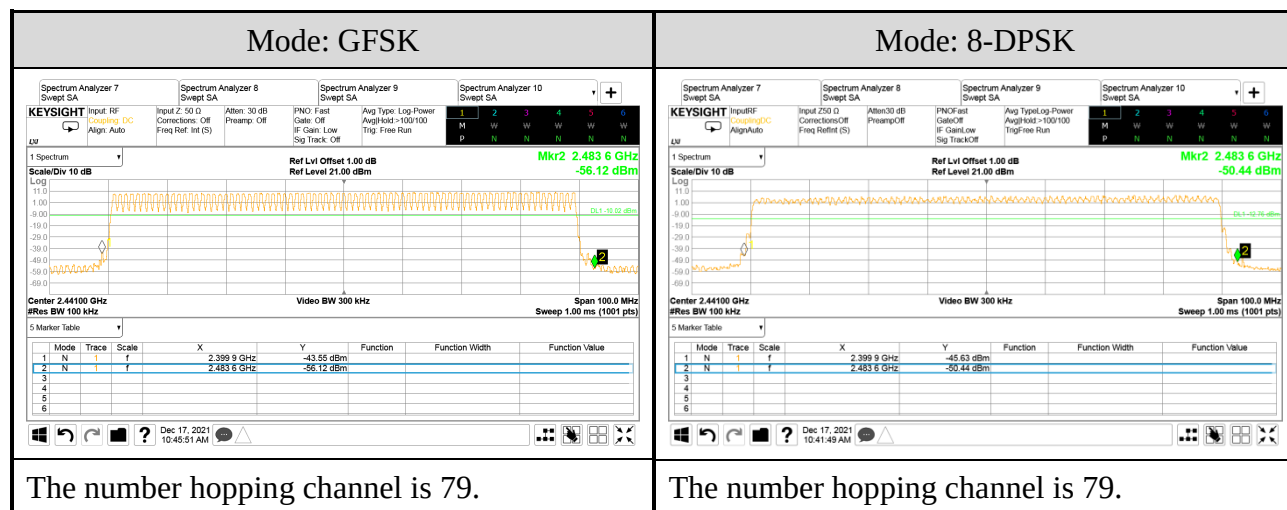


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A.6 NUMBER OF HOPPING CHANNELS

Test Date	2021/12/17	Temp./Hum.	21°C /60%
Cable Loss	1.00dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		



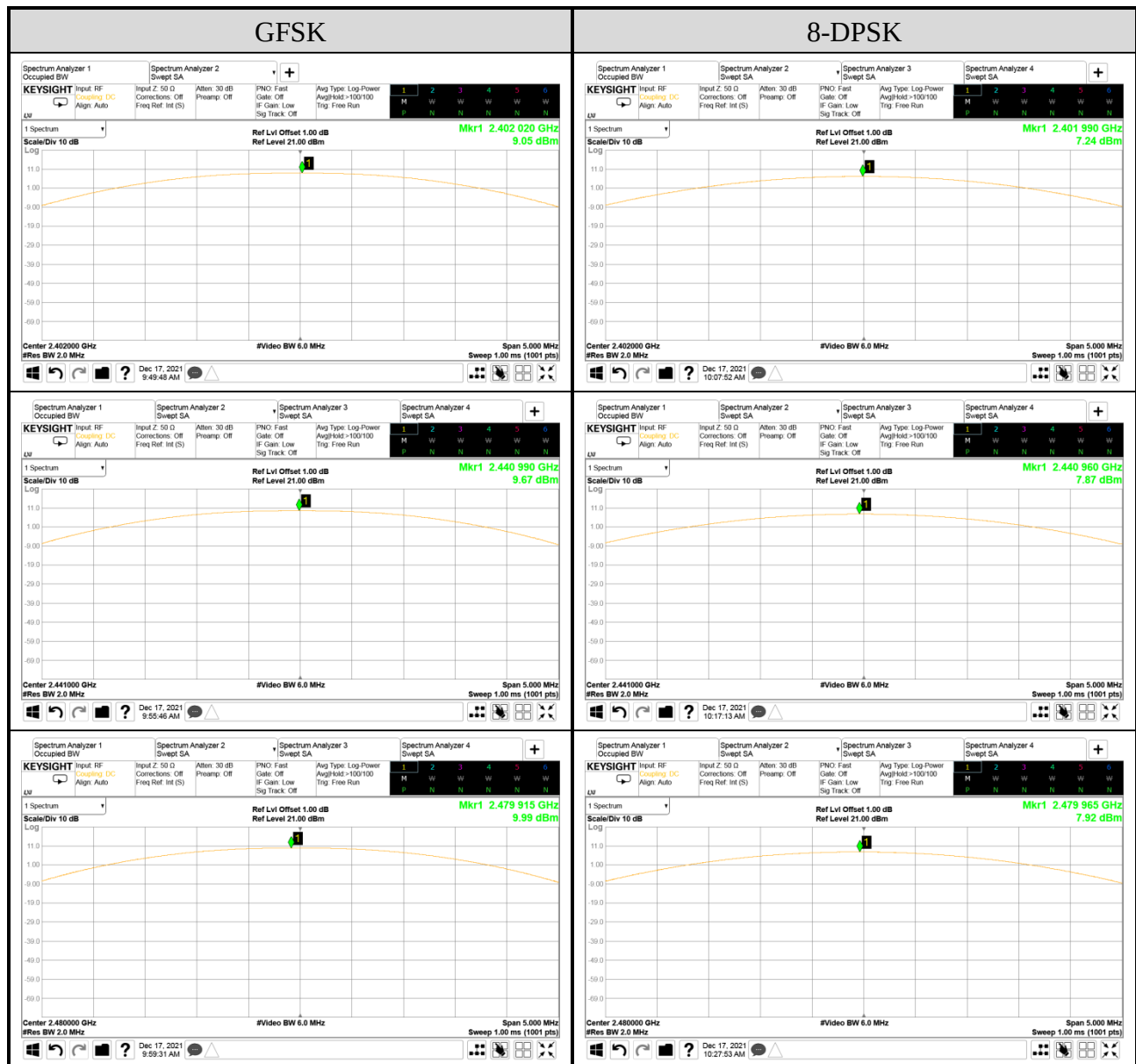
A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2021/12/17	Temp./Hum.	21°C/60%
Cable Loss	1.00dB	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	9.05	0.008	21dBm (0.125W)
	2441	9.67	0.009	
	2480	9.99	0.010	
8-DPSK	2402	7.24	0.005	
	2441	7.87	0.006	
	2480	7.92	0.006	

A.7.2 Measurement Plots



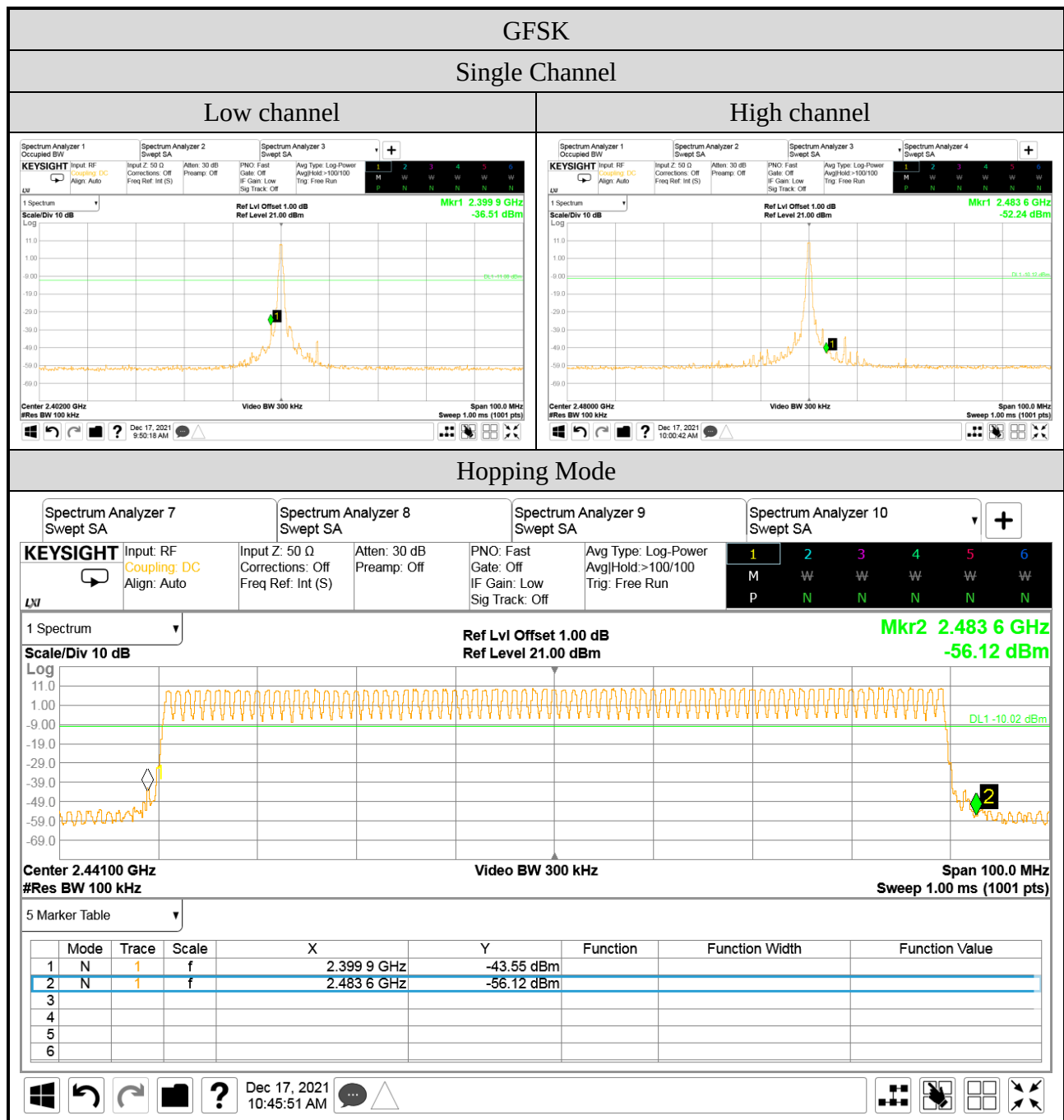
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A.8 EMISSION LIMITATIONS MEASUREMENT

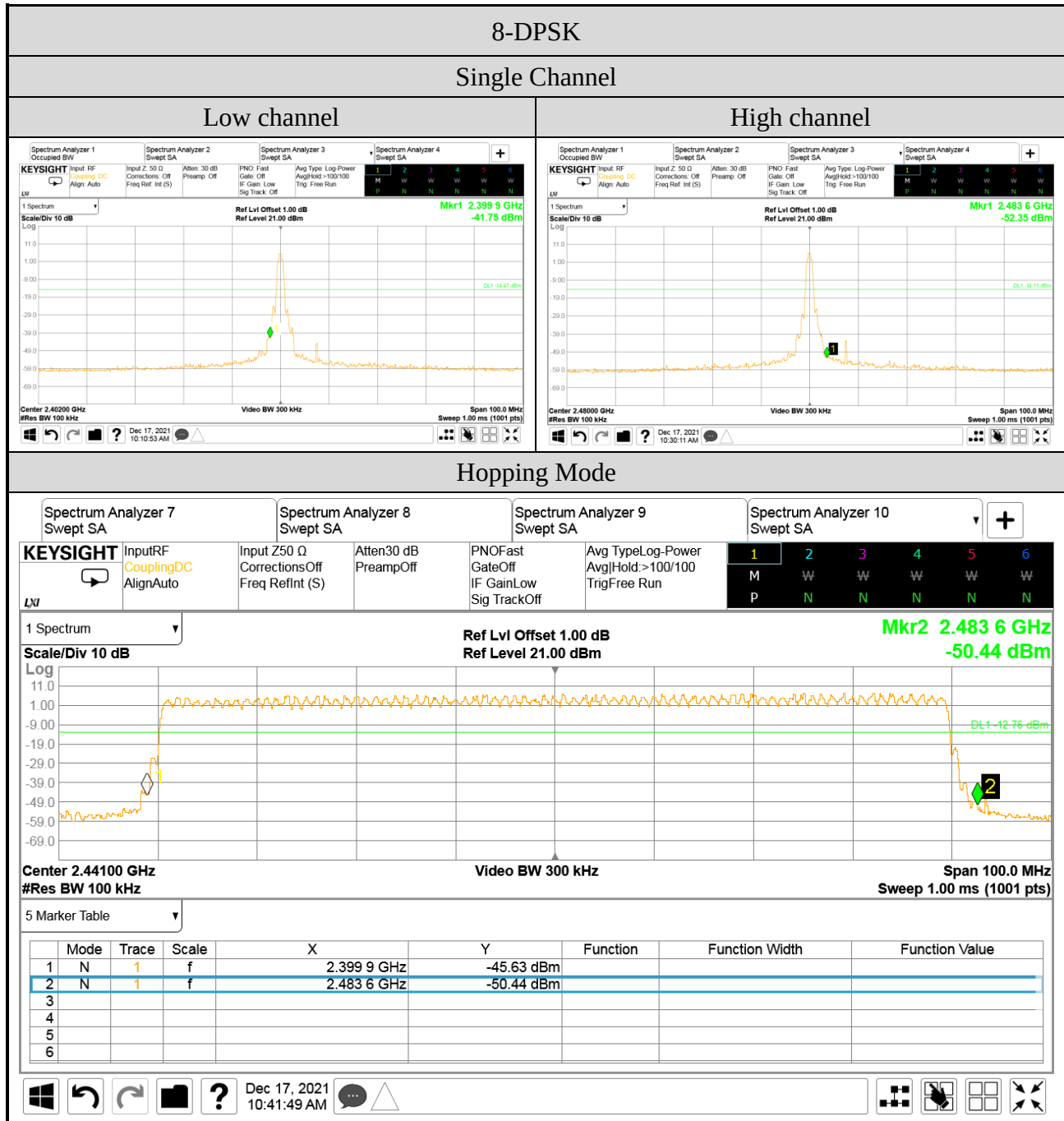
Test Date	2021/12/17	Temp./Hum.	21°C/60%
Cable Loss	1.00dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge



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

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



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

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

A.8.2 Spurious Emission



Note: All results have been included cable loss.

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

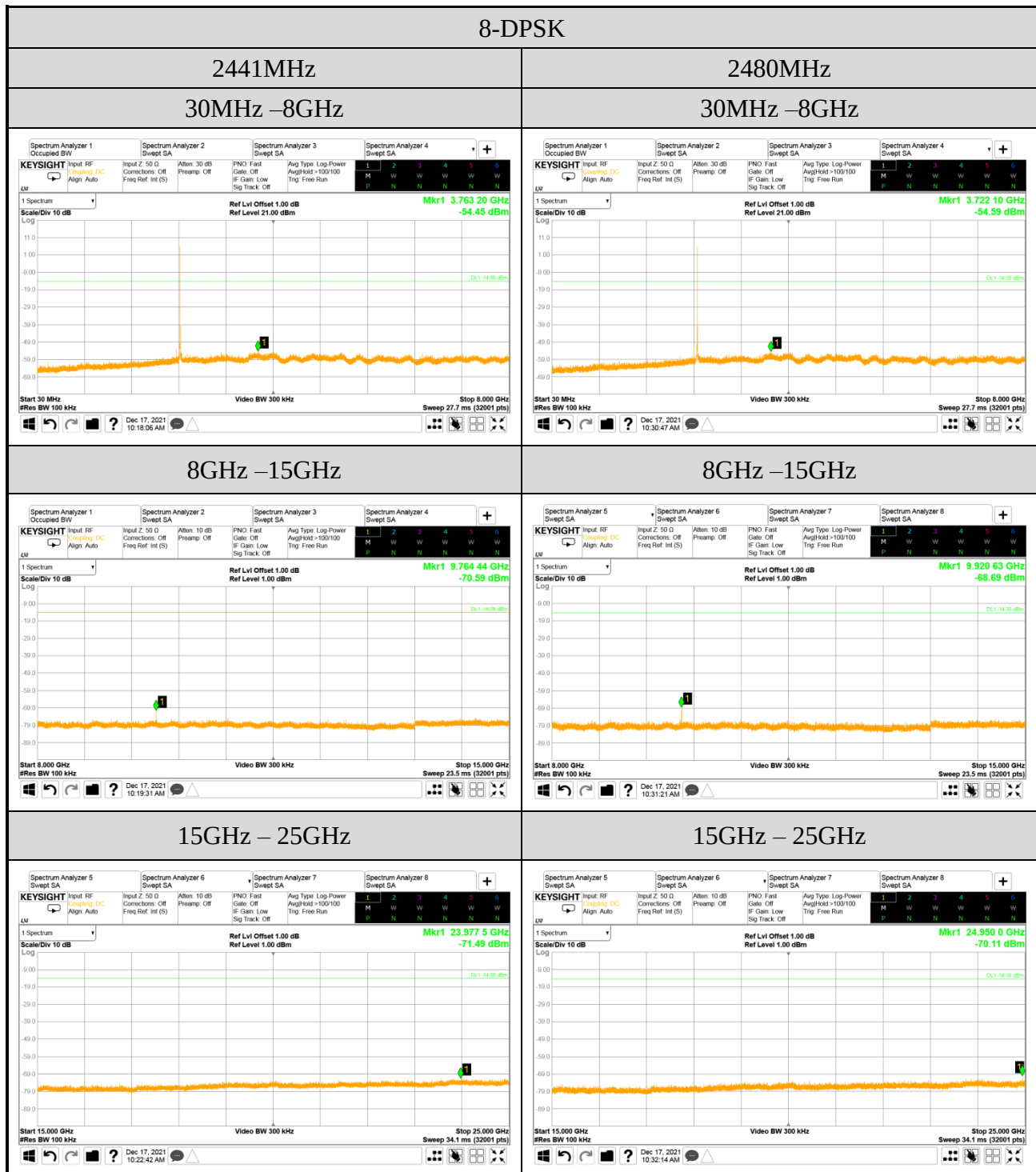
Tel: +886 2 26099301
Fax: +886 2 26099303



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