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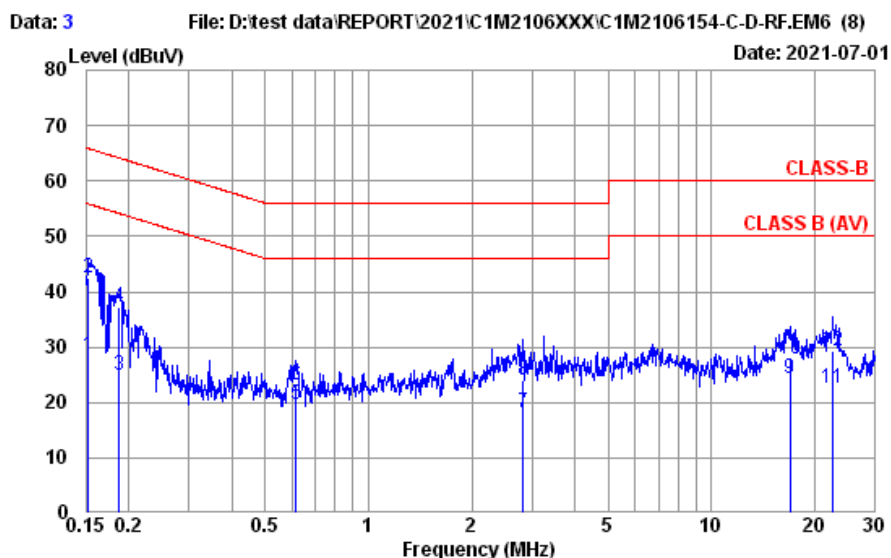
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A.1 CONDUCTED EMISSION

Test Date	2021/07/02	Temp./Hum.	26°C/53%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 (with INPAQ Antenna)		

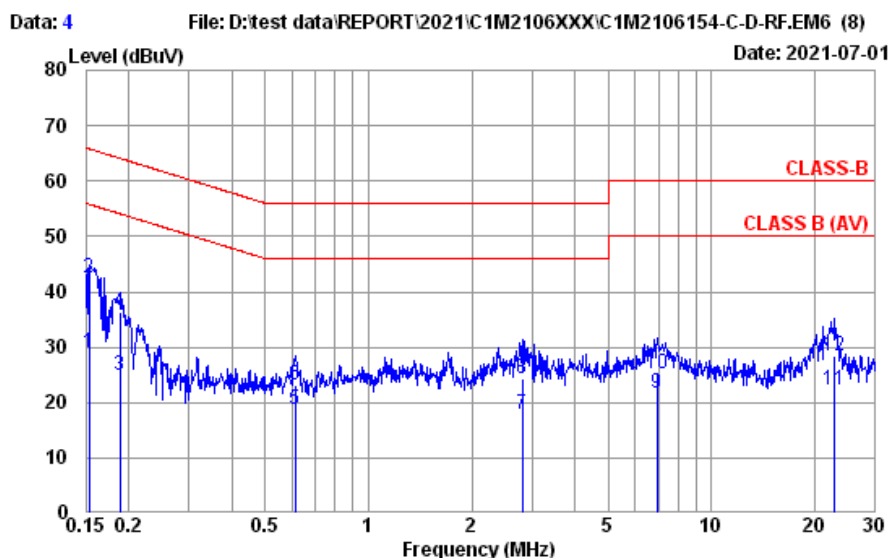


Site No. : No.8 Shielded Room Data No. : 3
Instrument 1 : Receiver ESR3(774)
Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B Phase : NEUTRAL
Environment : 26°C / 53% Engineer : Roy Hung
EUT Model : 16Z95P Test Rating : 120Vac/60Hz
Test Mode : Operating
INPAQ

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.152	10.41	0.03	9.85	8.23	28.52	55.87	27.35	Average
2	0.152	10.41	0.03	9.85	22.20	42.49	65.87	23.38	QP
3	0.187	10.39	0.03	9.85	4.61	24.88	54.15	29.27	Average
4	0.187	10.39	0.03	9.85	17.01	37.28	64.15	26.87	QP
5	0.614	10.37	0.03	9.85	-0.56	19.69	46.00	26.31	Average
6	0.614	10.37	0.03	9.85	2.91	23.16	56.00	32.84	QP
7	2.824	10.43	0.08	9.86	-2.18	18.19	46.00	27.81	Average
8	2.824	10.43	0.08	9.86	3.54	23.91	56.00	32.09	QP
9	16.928	11.00	0.18	9.92	3.27	24.37	50.00	25.63	Average
10	16.928	11.00	0.18	9.92	6.86	27.96	60.00	32.04	QP
11	22.535	11.18	0.21	9.96	1.23	22.58	50.00	27.42	Average
12	22.535	11.18	0.21	9.96	7.97	29.32	60.00	30.68	QP

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

Test Date	2021/07/02	Temp./Hum.	26°C/53%
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.	: 4
Instrument 1	: Receiver ESR3(774)		
Instrument 2	: ENH432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B	Phase	: LINE
Environment	: 26°C / 53%	Engineer	: Roy Hung
EUT Model	: 16Z95P	Test Rating	: 120Vac/60Hz
Test Mode	: Operating INPAQ		

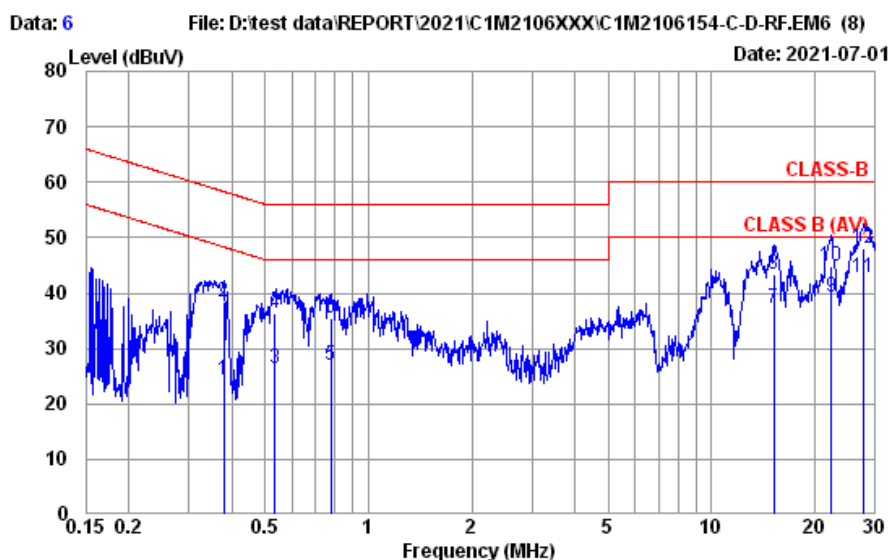
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.153	10.40	0.03	9.85	8.79	29.07	55.82	26.75	Average
2	0.153	10.40	0.03	9.85	22.31	42.59	65.82	23.23	QP
3	0.188	10.39	0.03	9.85	4.52	24.79	54.11	29.32	Average
4	0.188	10.39	0.03	9.85	16.03	36.30	64.11	27.81	QP
5	0.611	10.37	0.03	9.85	-1.58	18.67	46.00	27.33	Average
6	0.611	10.37	0.03	9.85	2.84	23.09	56.00	32.91	QP
7	2.809	10.41	0.07	9.86	-2.32	18.02	46.00	27.98	Average
8	2.809	10.41	0.07	9.86	3.96	24.30	56.00	31.70	QP
9	6.951	10.50	0.12	9.87	1.27	21.76	50.00	28.24	Average
10	6.951	10.50	0.12	9.87	4.85	25.34	60.00	34.66	QP
11	22.896	10.80	0.21	9.96	1.21	22.18	50.00	27.82	Average
12	22.896	10.80	0.21	9.96	7.54	28.51	60.00	31.49	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	2021/07/02	Temp./Hum.	26°C/53%
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. : 6
Instrument 1 : Receiver ESR3(774)
Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B Phase : NEUTRAL
Environment : 26°C / 53% Engineer : Roy Hung
EUT Model : 16Z95P Test Rating : 120Vac/60Hz
Test Mode : Operating
Luxshare

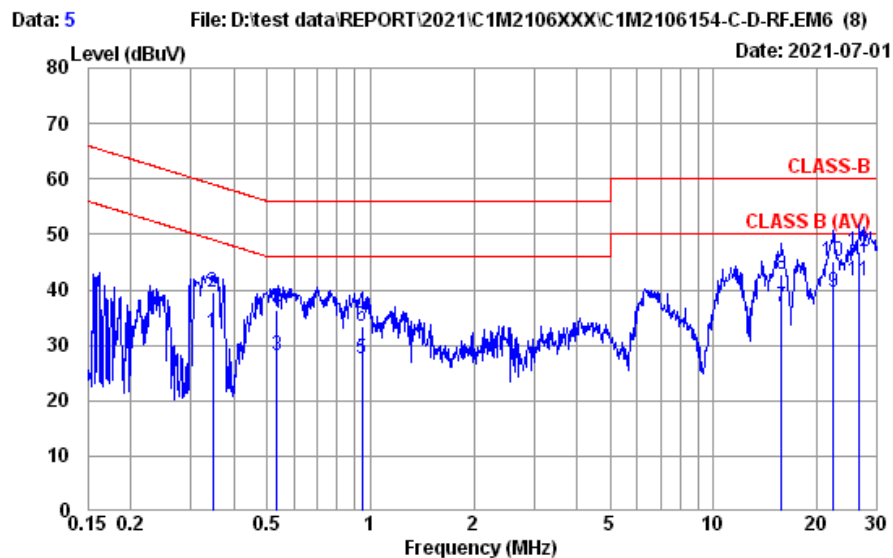
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.379	10.37	0.03	9.85	4.14	24.39	48.30	23.91	Average
2	0.379	10.37	0.03	9.85	18.15	38.40	58.30	19.90	QP
3	0.535	10.37	0.03	9.85	6.22	26.47	46.00	19.53	Average
4	0.535	10.37	0.03	9.85	16.08	36.33	56.00	19.67	QP
5	0.775	10.38	0.04	9.85	6.62	26.89	46.00	19.11	Average
6	0.775	10.38	0.04	9.85	15.21	35.48	56.00	20.52	QP
7	15.146	10.93	0.17	9.91	16.23	37.24	50.00	12.76	Average
8	15.146	10.93	0.17	9.91	22.45	43.46	60.00	16.54	QP
9	22.298	11.17	0.21	9.95	18.00	39.33	50.00	10.67	Average
10	22.298	11.17	0.21	9.95	23.41	44.74	60.00	15.26	QP
11	27.855	11.33	0.23	9.99	21.16	42.71	50.00	7.29	Average
12	27.855	11.33	0.23	9.99	26.46	48.01	60.00	11.99	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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Test Date	2021/07/02	Temp./Hum.	26°C/53%
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. : 5
Instrument 1 : Receiver ESR3(774)
Instrument 2 : EMI432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B Phase : LINE
Environment : 26°C / 53% Engineer : Roy Hung
EUT Model : 16Z95P 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	0.346	10.37	0.03	9.85	12.02	32.27	49.05	16.78	Average
2	0.346	10.37	0.03	9.85	19.35	39.60	59.05	19.45	QP
3	0.535	10.37	0.03	9.85	7.80	28.05	46.00	17.95	Average
4	0.535	10.37	0.03	9.85	16.06	36.31	56.00	19.69	QP
5	0.943	10.38	0.04	9.85	7.32	27.59	46.00	18.41	Average
6	0.943	10.38	0.04	9.85	13.03	33.30	56.00	22.70	QP
7	15.801	10.70	0.18	9.92	16.26	37.06	50.00	12.94	Average
8	15.801	10.70	0.18	9.92	21.93	42.73	60.00	17.27	QP
9	22.298	10.80	0.21	9.95	18.75	39.71	50.00	10.29	Average
10	22.298	10.80	0.21	9.95	24.08	45.04	60.00	14.96	QP
11	26.558	10.84	0.23	9.98	20.68	41.73	50.00	8.27	Average
12	26.558	10.84	0.23	9.98	25.76	46.81	60.00	13.19	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	2021/06/28 ~ 30	Temp./Hum.	23 ~ 27°C/54 ~ 57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Kuper Hsu
Test SKU	SKU #1 (with INPAQ 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 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
84.320	15.08	0.82	32.58	52.20	35.52	40.00	4.48	Peak
126.030	18.24	0.98	32.53	47.59	34.28	43.50	9.22	Peak
320.030	20.53	1.60	32.47	52.08	41.74	46.00	4.26	Peak
508.210	24.34	2.23	32.44	46.39	40.52	46.00	5.48	Peak
847.710	29.15	3.07	31.91	42.32	42.63	46.00	3.37	Peak
967.990	30.33	3.22	31.15	30.29	32.69	54.00	21.31	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
33.880	19.23	0.56	32.66	50.47	37.60	40.00	2.40	Peak
168.710	19.13	1.12	32.48	53.85	41.62	43.50	1.88	Peak
338.460	21.00	1.66	32.46	54.19	44.39	46.00	1.61	Peak
423.820	22.86	1.97	32.44	50.52	42.91	46.00	3.09	Peak
729.370	28.06	2.90	32.24	38.30	37.02	46.00	8.98	Peak
967.020	30.30	3.22	31.15	33.67	36.04	54.00	17.96	Peak

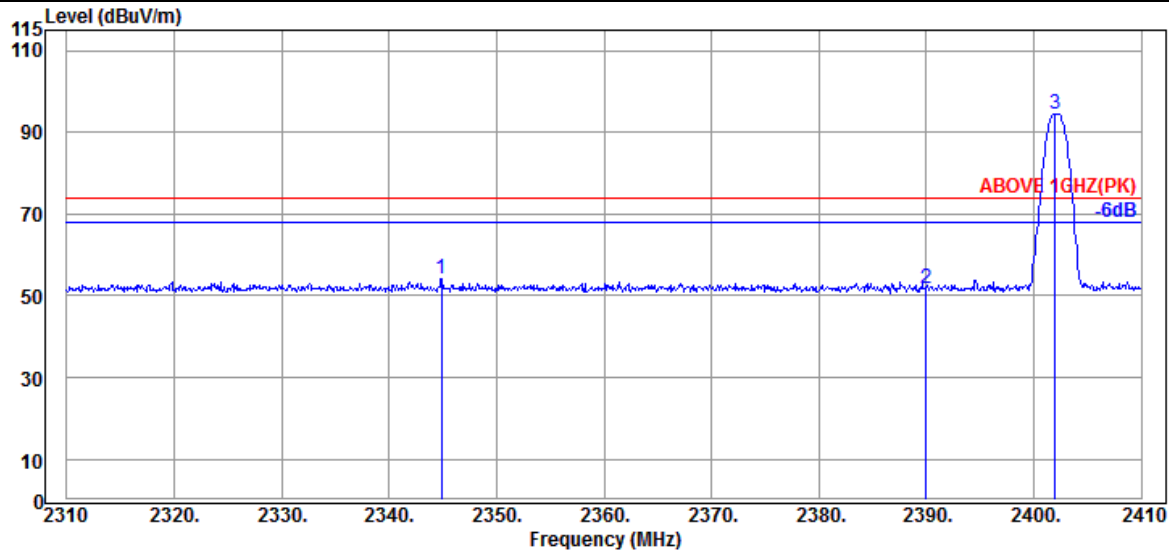
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A.2.1.3 Frequency Above 1 GHz to 10th harmonics

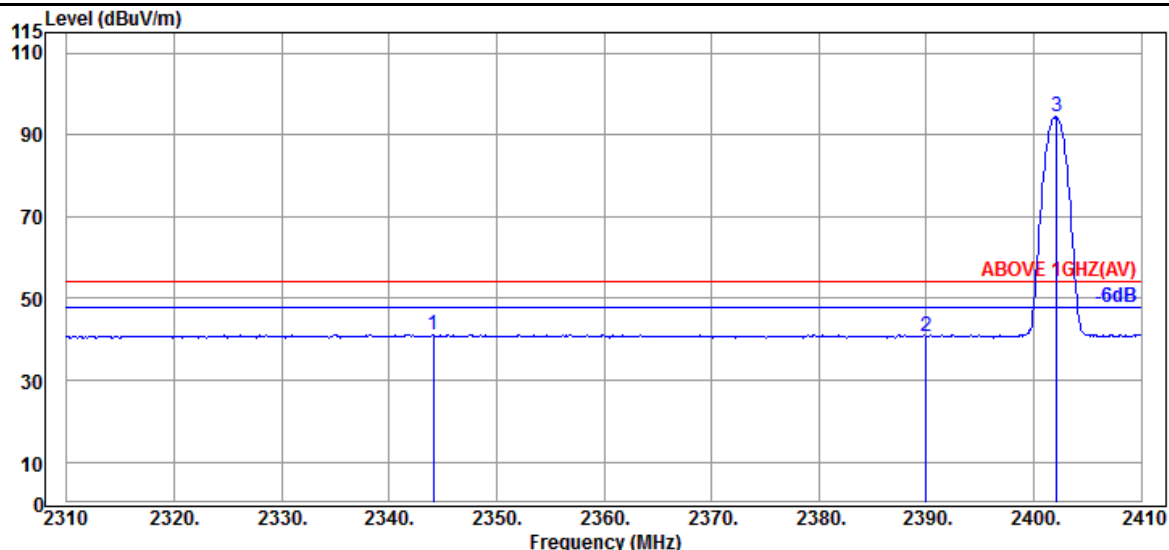
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2344.900	32.07	7.92	34.53	48.52	53.98	74.00	20.02	Peak
2390.000	31.89	7.95	34.54	46.41	51.71	74.00	22.29	Peak
@ 2402.000	31.80	7.95	34.54	89.27	94.48	---	---	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
2344.100	32.07	7.92	34.53	35.66	41.12	54.00	12.88	Average
2390.000	31.89	7.95	34.54	35.44	40.74	54.00	13.26	Average
@ 2402.100	31.80	7.95	34.54	89.15	94.36	---	---	Average

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

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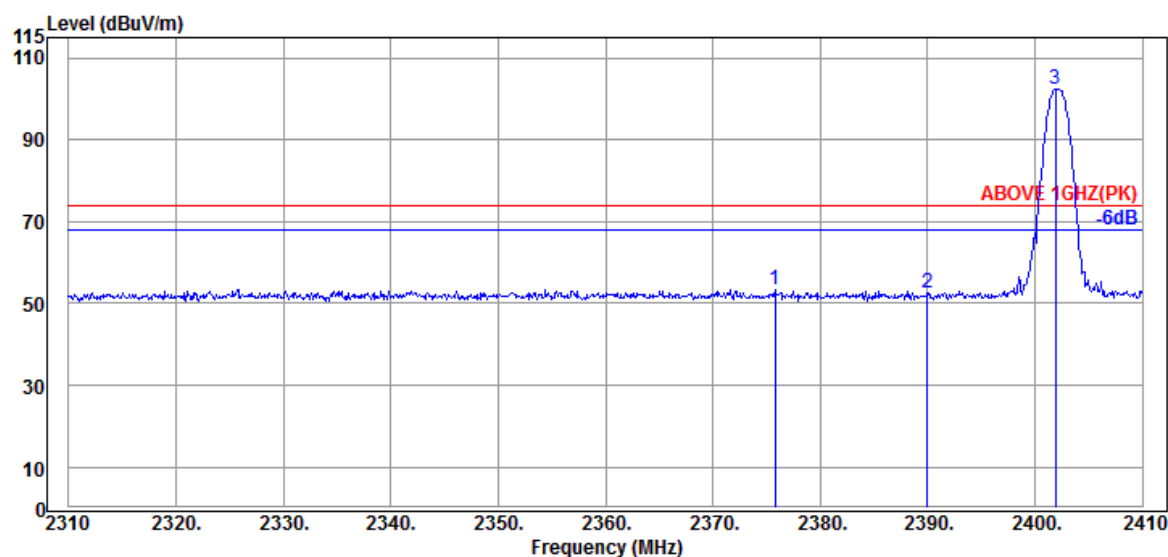
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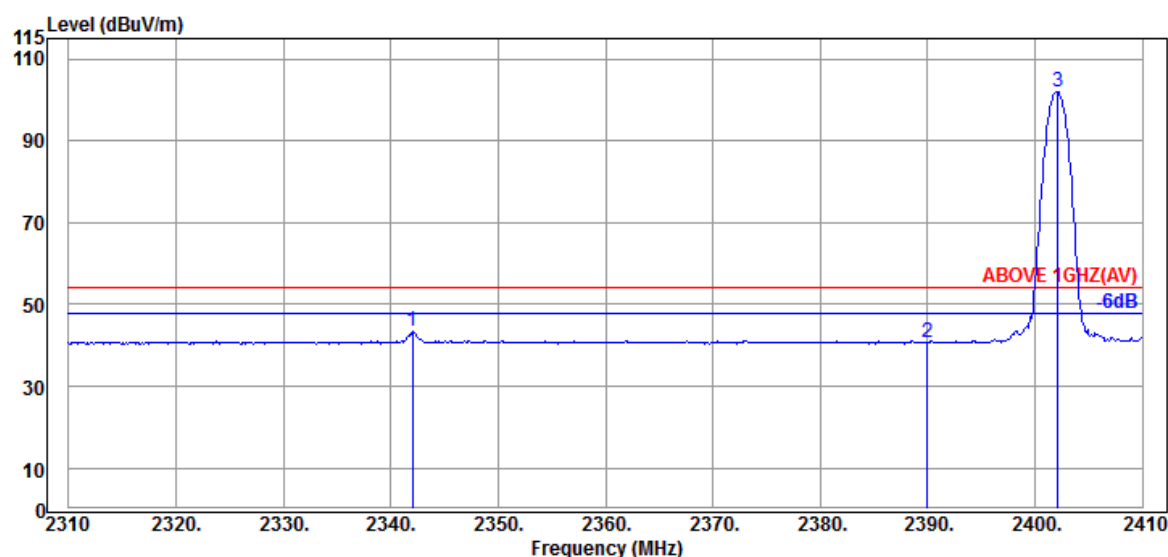
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Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2375.800	31.97	7.94	34.53	47.95	53.33	74.00	20.67	Peak
2390.000	31.89	7.95	34.54	47.26	52.56	74.00	21.44	Peak
@ 2401.900	31.80	7.95	34.54	97.03	102.24	---	---	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2342.000	32.05	7.92	34.53	37.88	43.32	54.00	10.68	Average
2390.000	31.89	7.95	34.54	35.26	40.56	54.00	13.44	Average
@ 2402.100	31.80	7.95	34.54	96.72	101.93	---	---	Average

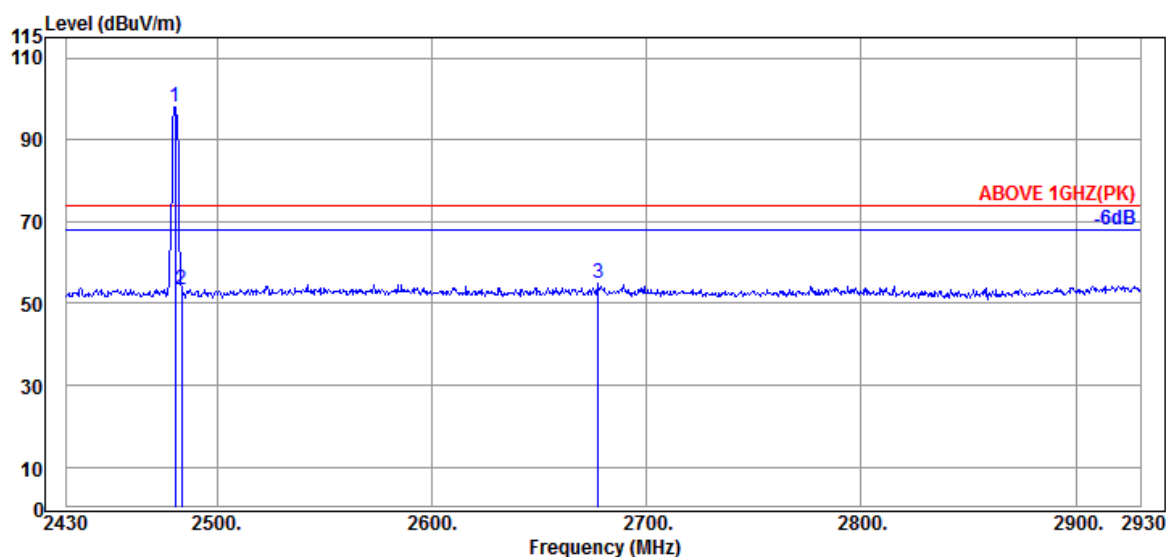
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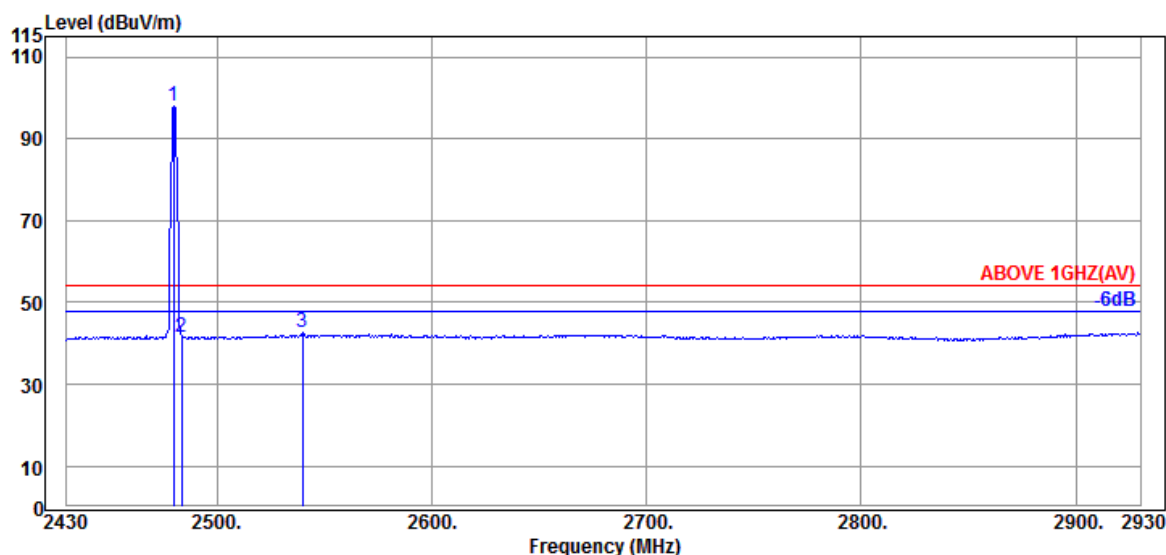
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.500	32.30	7.99	34.55	92.42	98.16	---	---	Peak
2483.500	32.30	7.99	34.55	47.78	53.52	74.00	20.48	Peak
2677.500	32.20	8.08	34.60	49.35	55.03	74.00	18.97	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	32.30	7.99	34.55	92.43	98.17	---	---	Average
2483.500	32.30	7.99	34.55	35.80	41.54	54.00	12.46	Average
2540.000	32.47	8.02	34.57	36.68	42.60	54.00	11.40	Average

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

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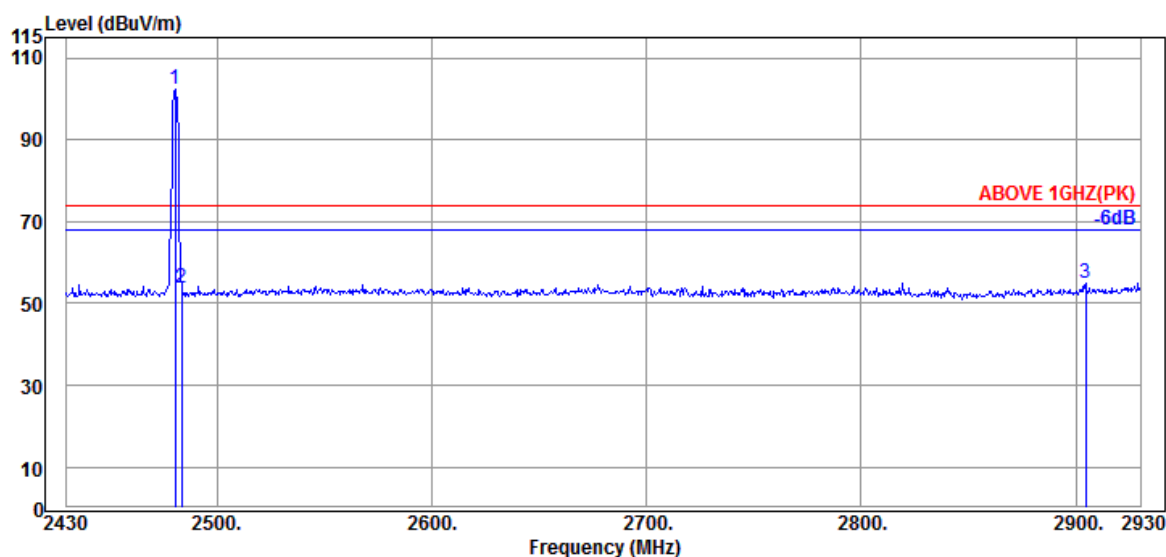
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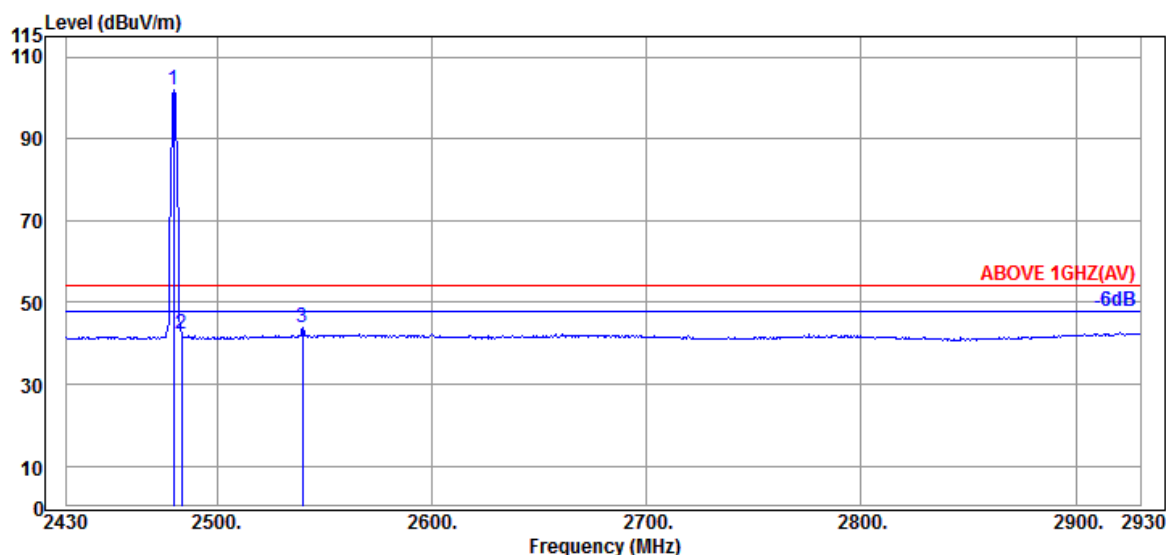
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Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.500	32.30	7.99	34.55	96.58	102.32	---	---	Peak
2483.500	32.30	7.99	34.55	47.87	53.61	74.00	20.39	Peak
2904.500	32.77	8.18	34.64	48.51	54.82	74.00	19.18	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.000	32.30	7.99	34.55	96.19	101.93	---	---	Average
2483.500	32.30	7.99	34.55	36.43	42.17	54.00	11.83	Average
2540.000	32.47	8.02	34.57	37.85	43.77	54.00	10.23	Average

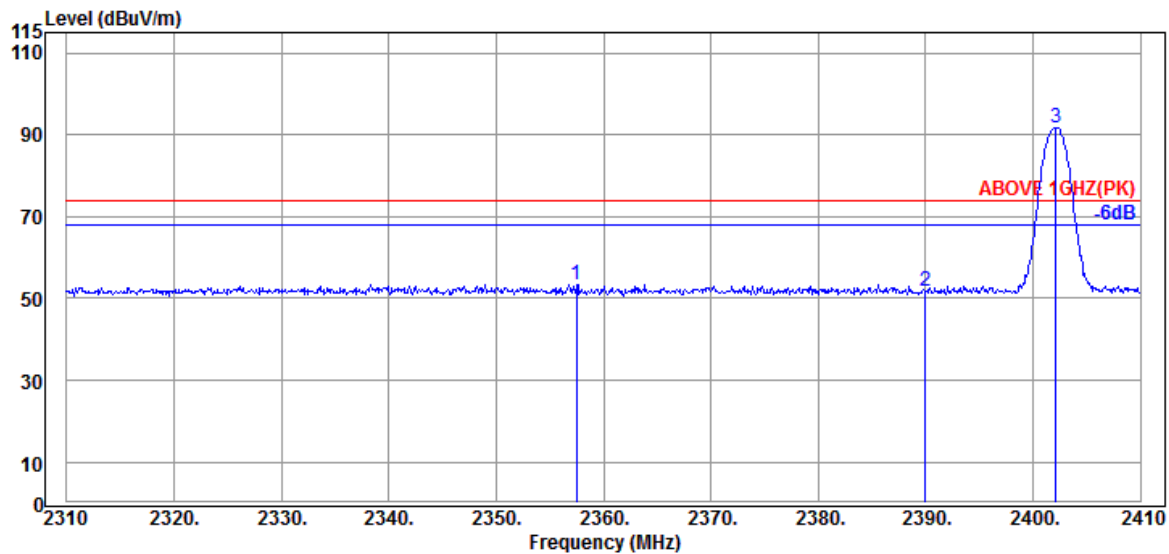
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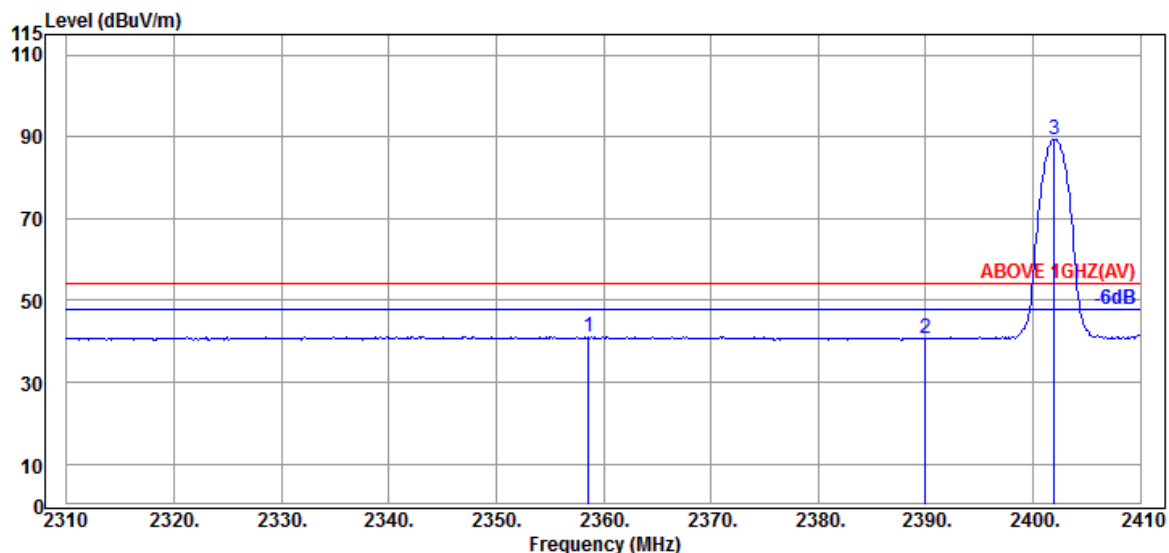
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Mode	8-DPSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

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
2357.500	32.06	7.93	34.53	48.07	53.53	74.00	20.47	Peak
2390.000	31.89	7.95	34.54	46.66	51.96	74.00	22.04	Peak
@ 2402.100	31.80	7.95	34.54	86.51	91.72	---	---	Peak

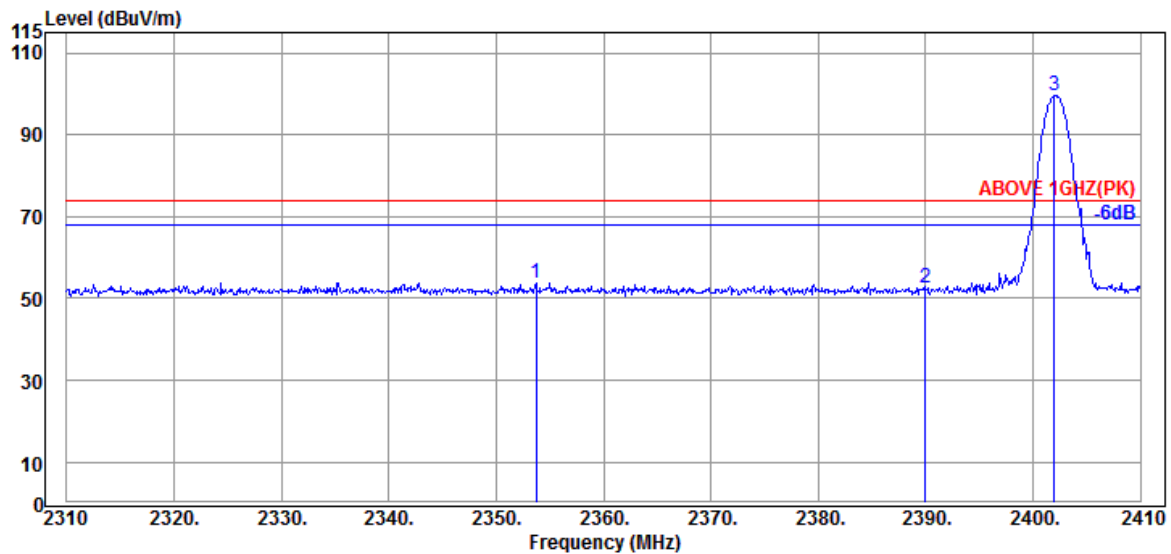


Antenna at Horizontal Polarization

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
2358.600	32.06	7.93	34.53	35.70	41.16	54.00	12.84	Average
2390.000	31.89	7.95	34.54	35.38	40.68	54.00	13.32	Average
@ 2402.000	31.80	7.95	34.54	84.13	89.34	---	---	Average

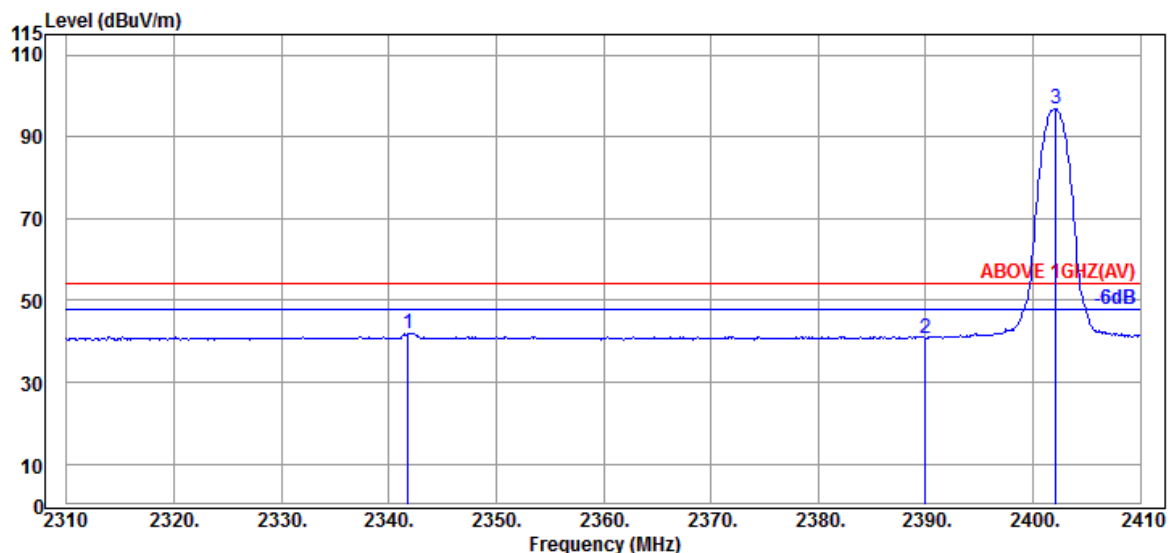
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2353.700	32.10	7.93	34.53	48.43	53.93	74.00	20.07	Peak
2390.000	31.89	7.95	34.54	47.08	52.38	74.00	21.62	Peak
@ 2402.000	31.80	7.95	34.54	94.41	99.62	---	---	Peak



Antenna at Vertical Polarization

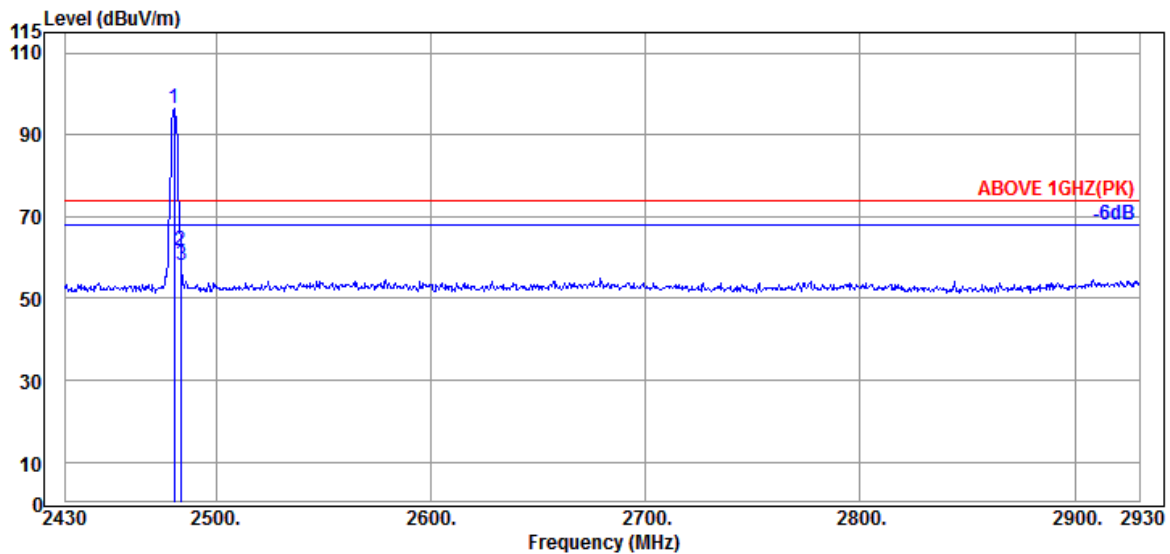
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2341.800	32.05	7.92	34.53	36.63	42.07	54.00	11.93	Average
2390.000	31.89	7.95	34.54	35.54	40.84	54.00	13.16	Average
@ 2402.100	31.80	7.95	34.54	91.63	96.84	---	---	Average

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

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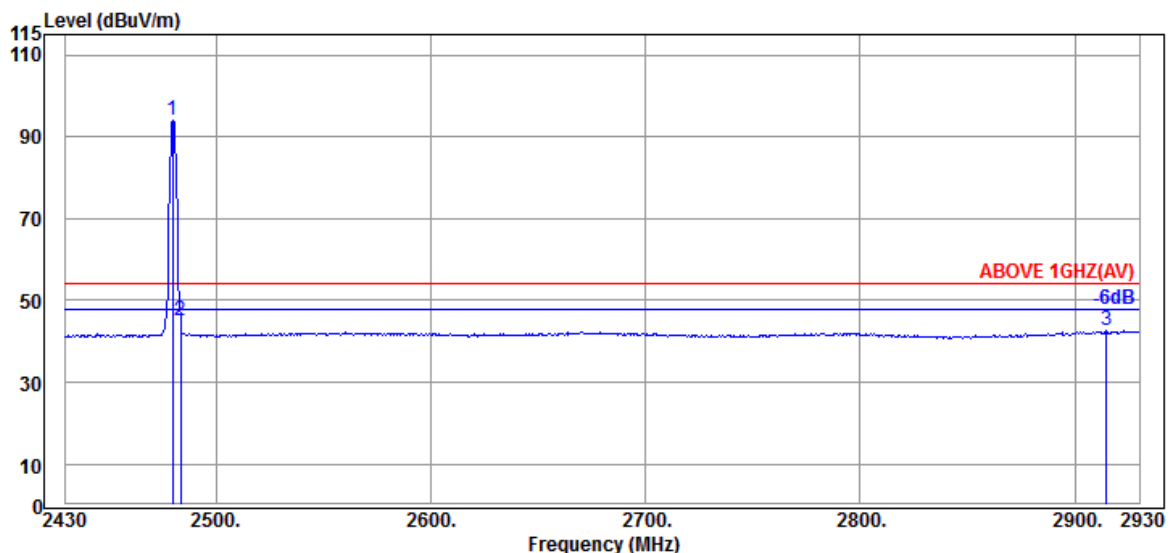
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Fax: +886 2 26099303

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 (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2480.500	32.30	7.99	34.55	90.72	96.46	---	---	Peak
2483.500	32.30	7.99	34.55	56.03	61.77	74.00	12.23	Peak
2484.000	32.30	7.99	34.55	52.51	58.25	74.00	15.75	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
@ 2480.000	32.30	7.99	34.55	88.26	94.00	---	---	Average
2483.500	32.30	7.99	34.55	39.13	44.87	54.00	9.13	Average
2914.500	32.83	8.18	34.64	36.23	42.60	54.00	11.40	Average

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

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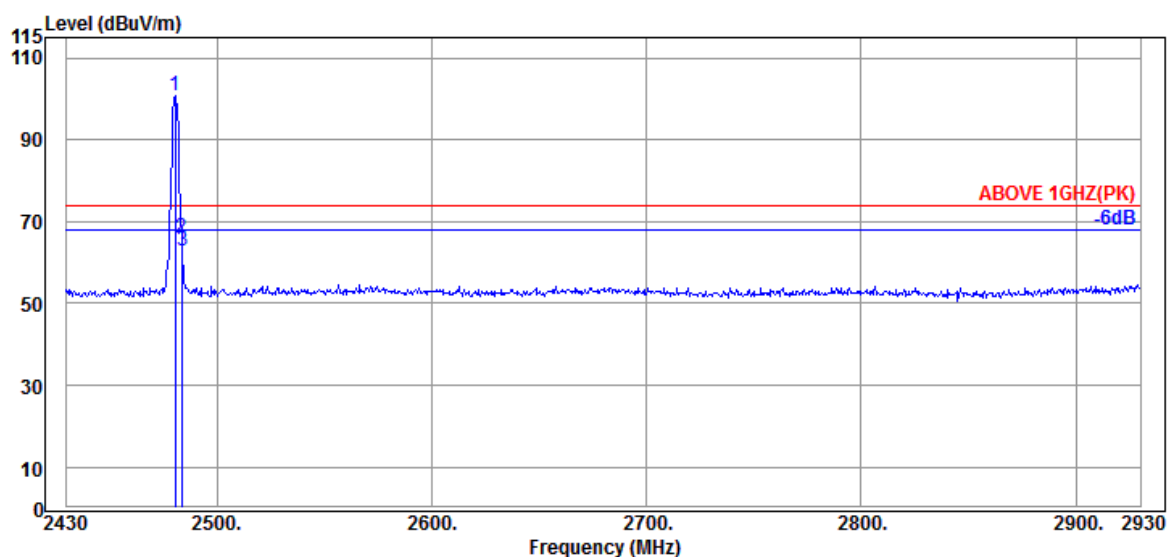
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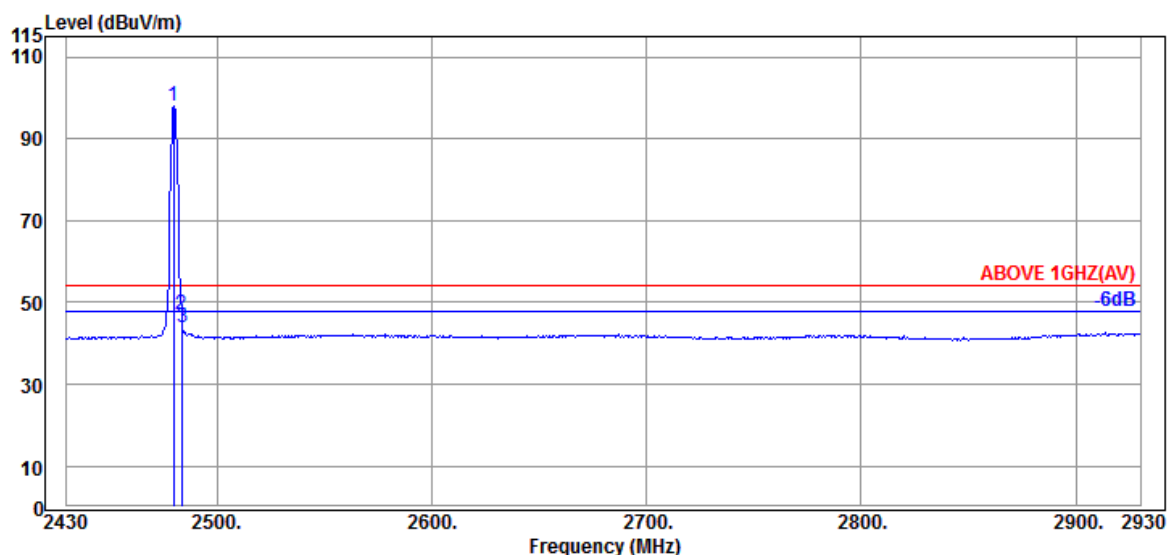
Fax: +886 2 26099303

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



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
@ 2480.500	32.30	7.99	34.55	94.85	100.59	---	---	Peak
2483.500	32.30	7.99	34.55	60.23	65.97	74.00	8.03	Peak
2484.000	32.30	7.99	34.55	56.91	62.65	74.00	11.35	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
@ 2480.000	32.30	7.99	34.55	92.18	97.92	---	---	Average
2483.500	32.30	7.99	34.55	41.19	46.93	54.00	7.07	Average
2484.000	32.30	7.99	34.55	38.09	43.83	54.00	10.17	Average

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

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Report Number: EM-F210481

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.60	10.49	34.44	32.98	42.63	54.00	11.37	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
4804.000	33.60	10.49	34.44	32.61	42.26	54.00	11.74	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.88	10.54	34.43	31.33	41.32	54.00	12.68	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.88	10.54	34.43	31.83	41.82	54.00	12.18	Peak

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

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.83	10.60	34.41	31.74	41.76	54.00	12.24	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.83	10.60	34.41	30.33	40.35	54.00	13.65	Peak

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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)		

A.3.1 20dB Bandwidth Result

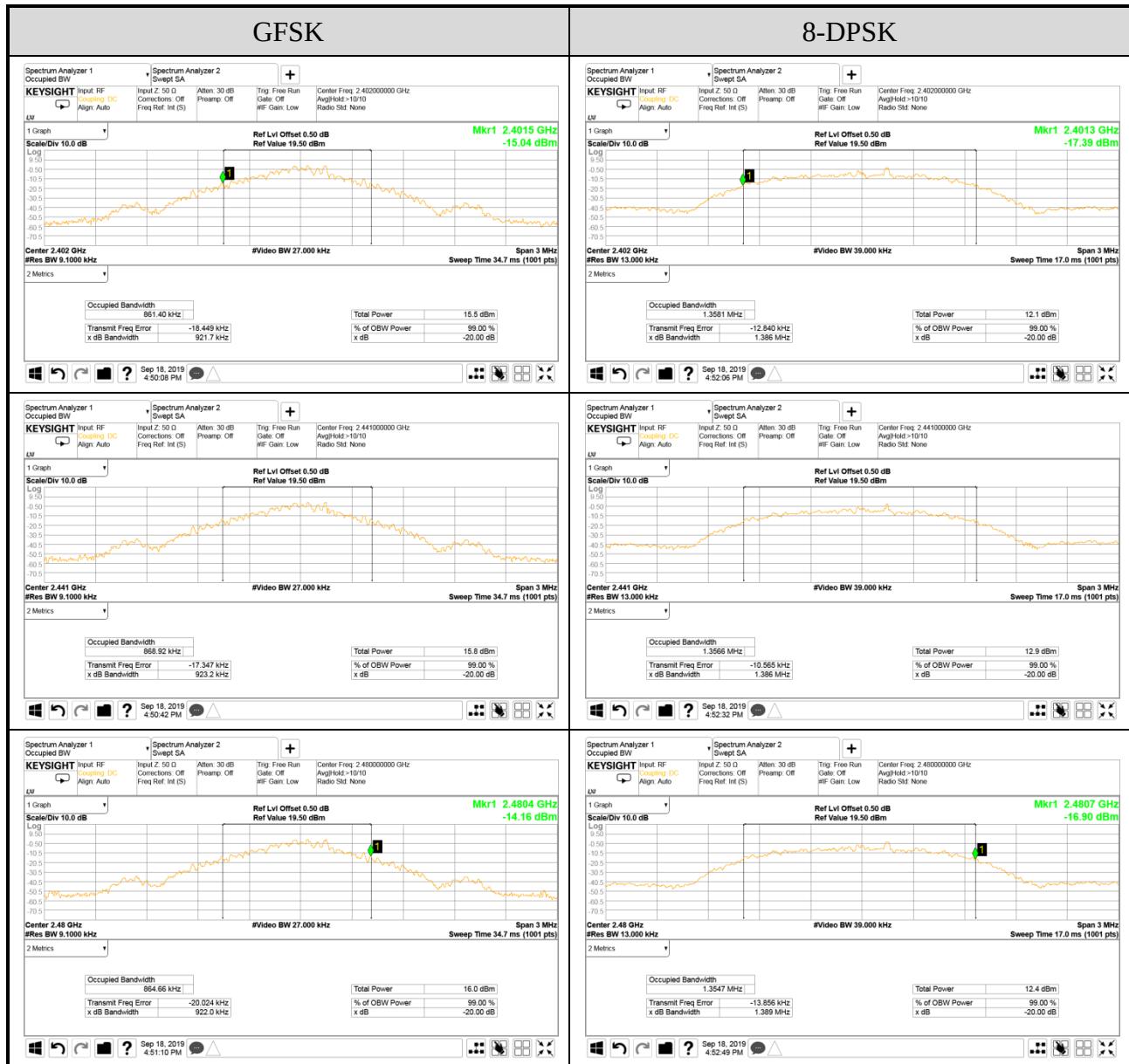
Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99%Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9217	0.86410	0.614
	2441	0.9232	0.86892	0.615
	2480	0.9220	0.86466	0.615
8-DPSK	2402	1.386	1.3581	0.924
	2441	1.386	1.3566	0.924
	2480	1.389	1.3547	0.926

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

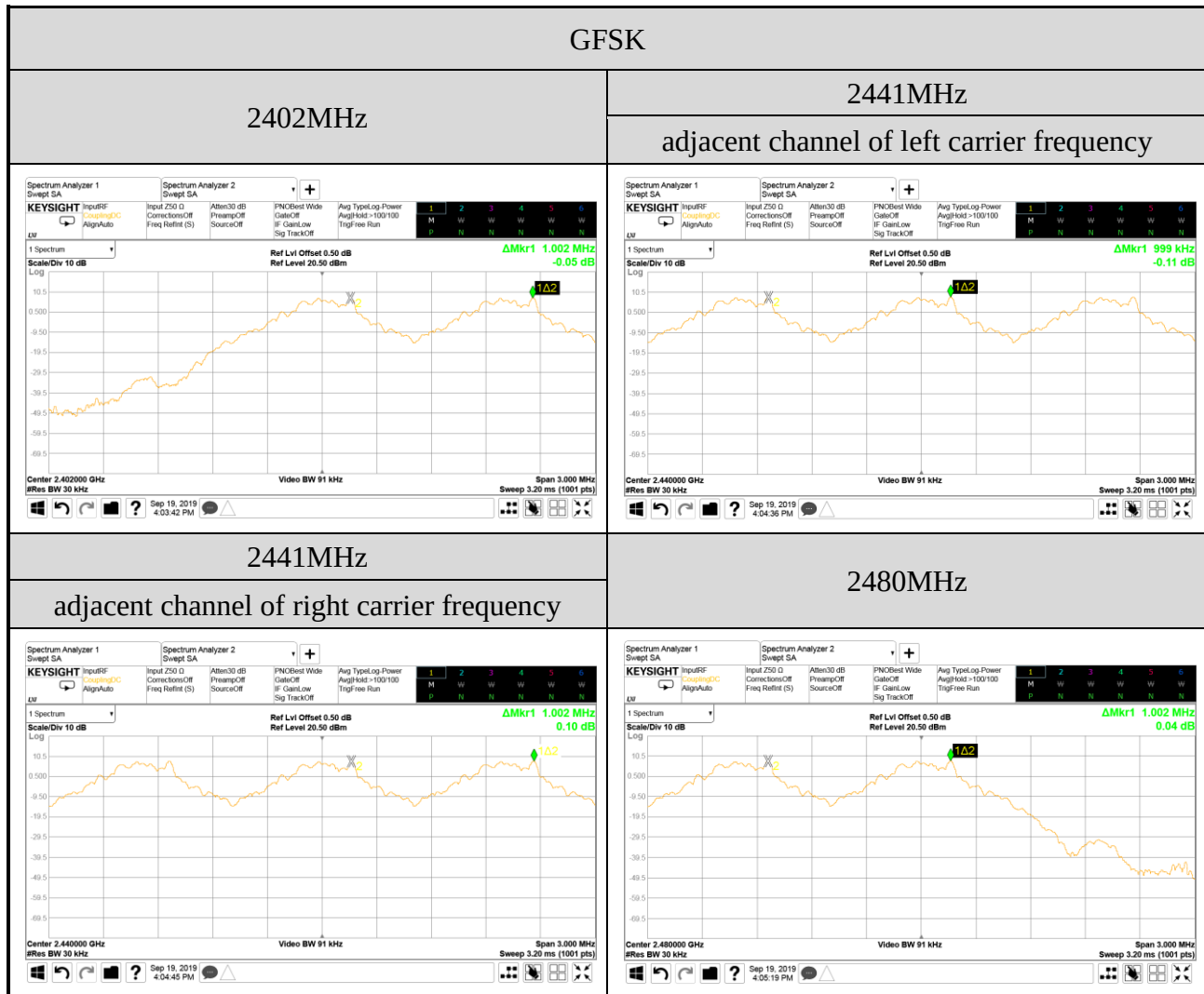


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A.4 CARRIER FREQUENCY SEPARATION

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)		

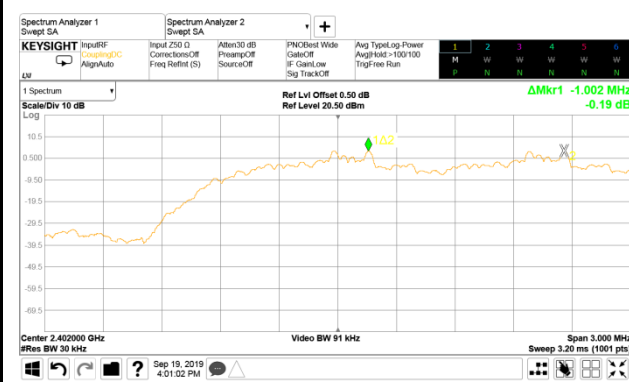


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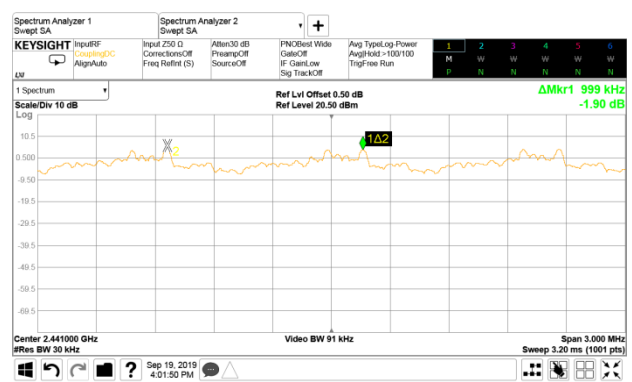
8-DPSK

2402MHz



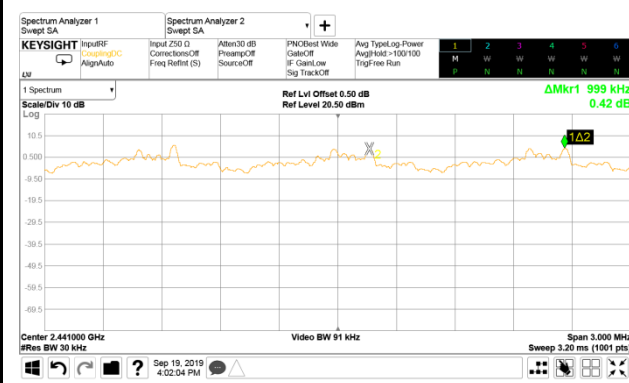
2441MHz

adjacent channel of left carrier frequency

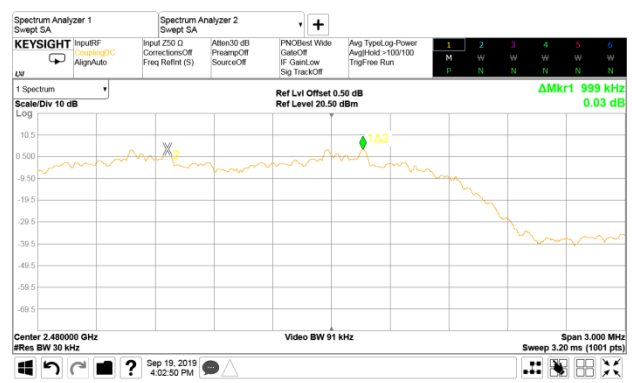


2441MHz

adjacent channel of right carrier frequency



2480MHz



A.5 TIME OF OCCUPANCY

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)		

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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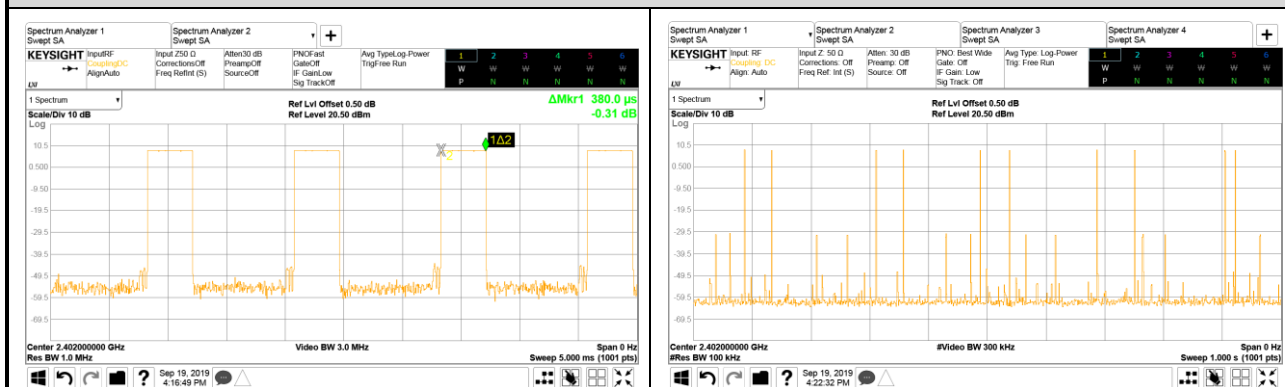
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● Measurement Plots

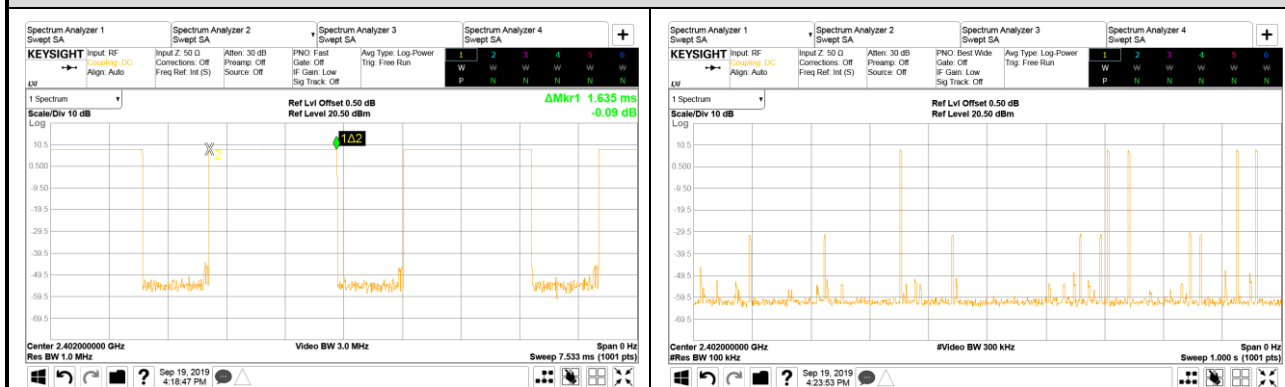
GFSK

2402MHz

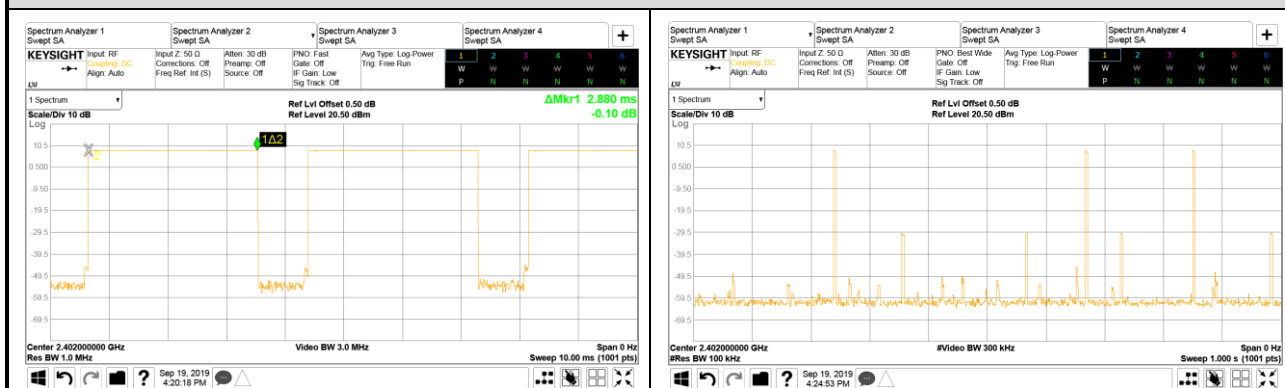
DH1



DH3



DH5



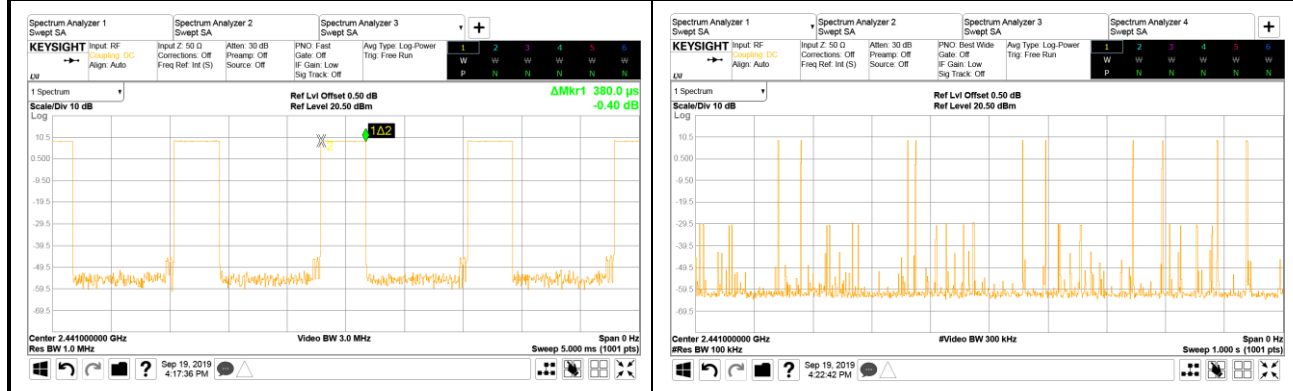
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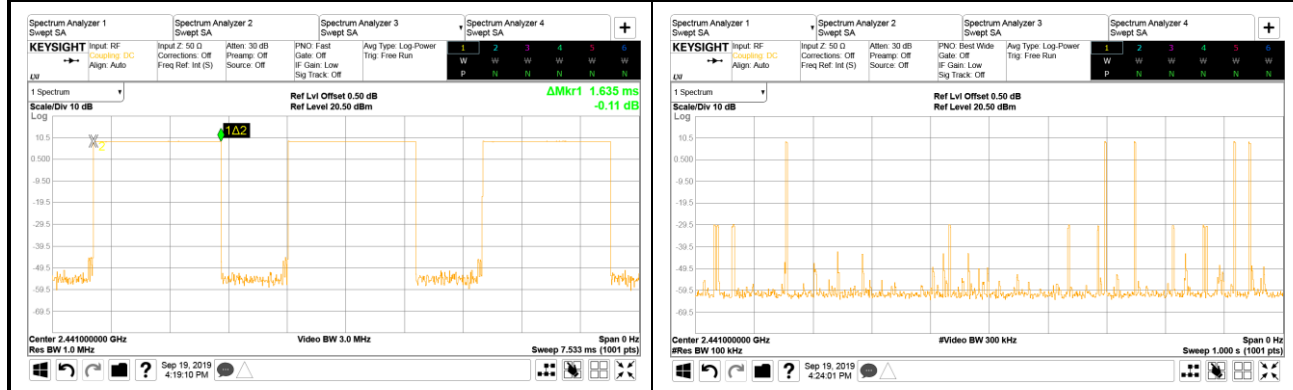
GFSK

2441MHz

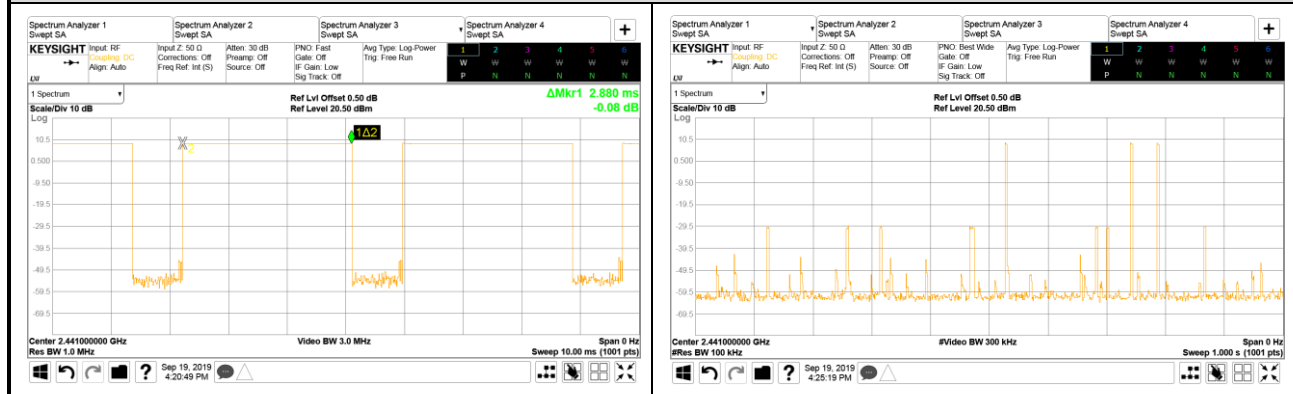
DH1



DH3



DH5



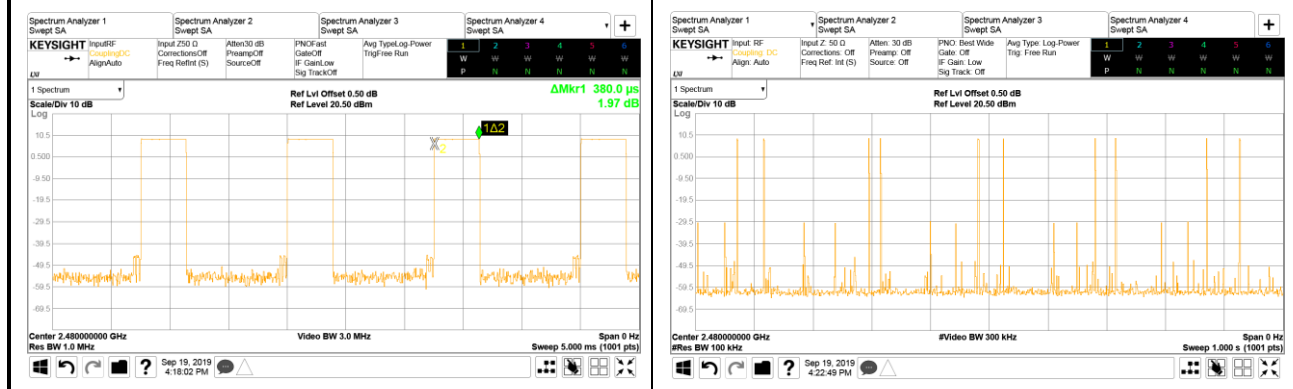
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GFSK

2480MHz

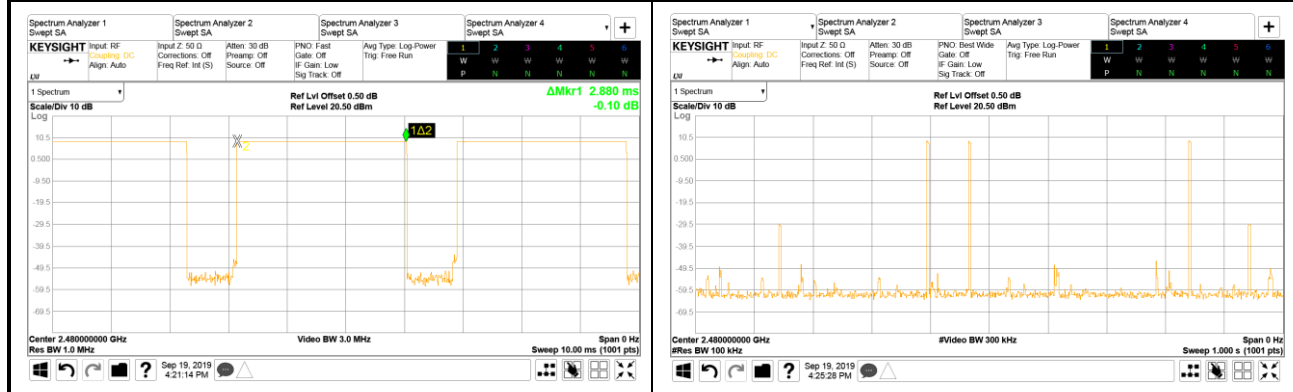
DH1



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:

 $79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$ **3DH1 Mode**

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

 $10 \text{ transmission} * 31.6 \text{ seconds} * 0.390 \text{ ms} = 123.240 \text{ ms} (<400\text{ms})$ **3DH3 Mode**

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

 $5 \text{ transmission} * 31.6 \text{ seconds} * 1.635 \text{ ms} = 258.330 \text{ ms} (<400\text{ms})$ **3DH5 Mode**

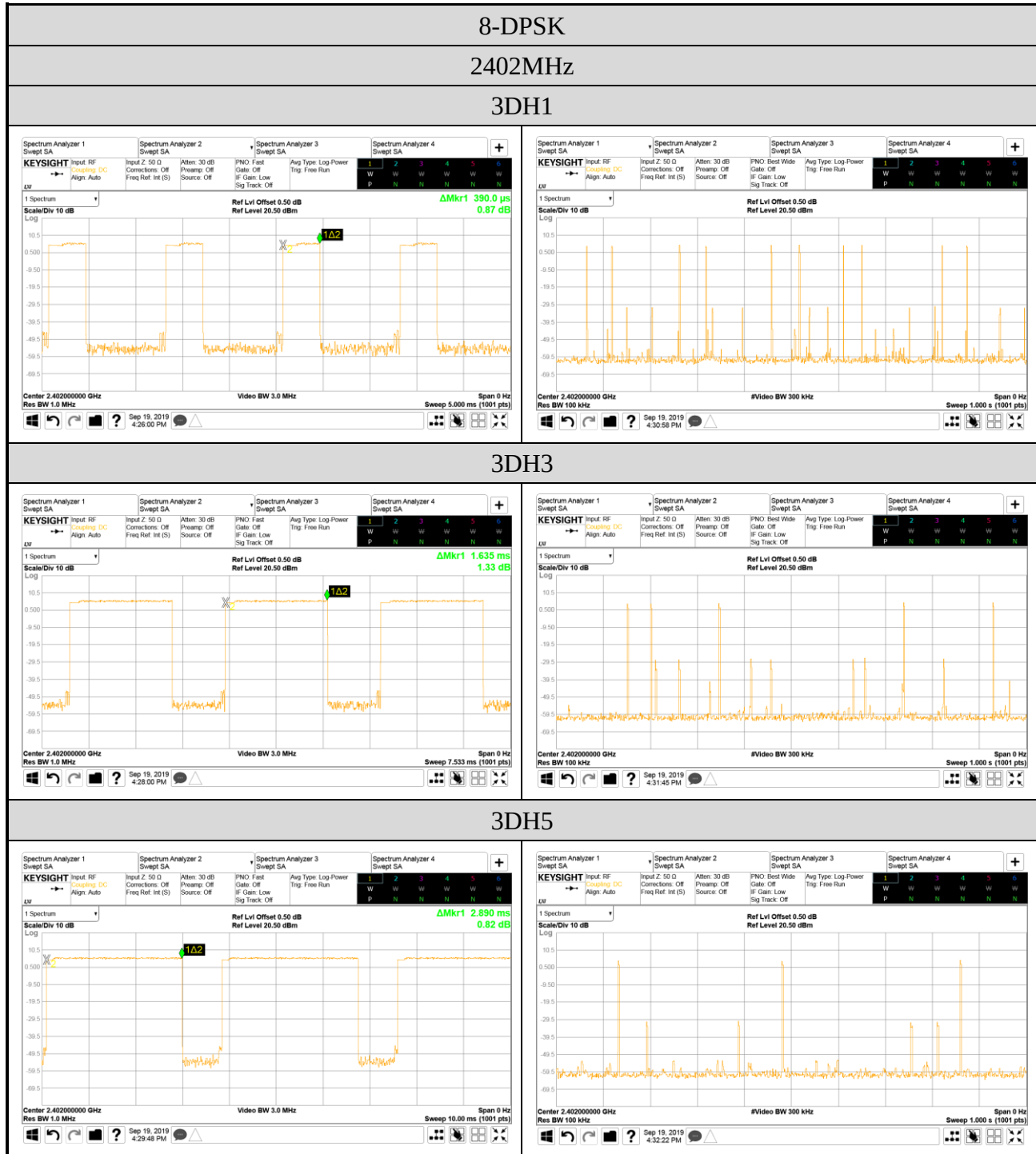
For each second of 3 transmission appearance, the longest time of occupancy is

 $3 \text{ transmission} * 31.6 \text{ seconds} * 2.890 \text{ ms} = 273.972 \text{ ms} (<400\text{ms})$

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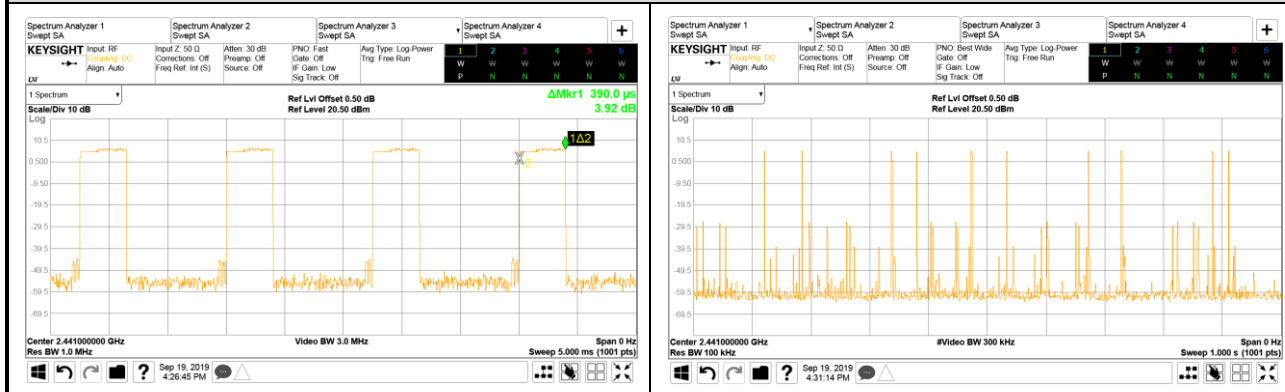
● Measurement Plots



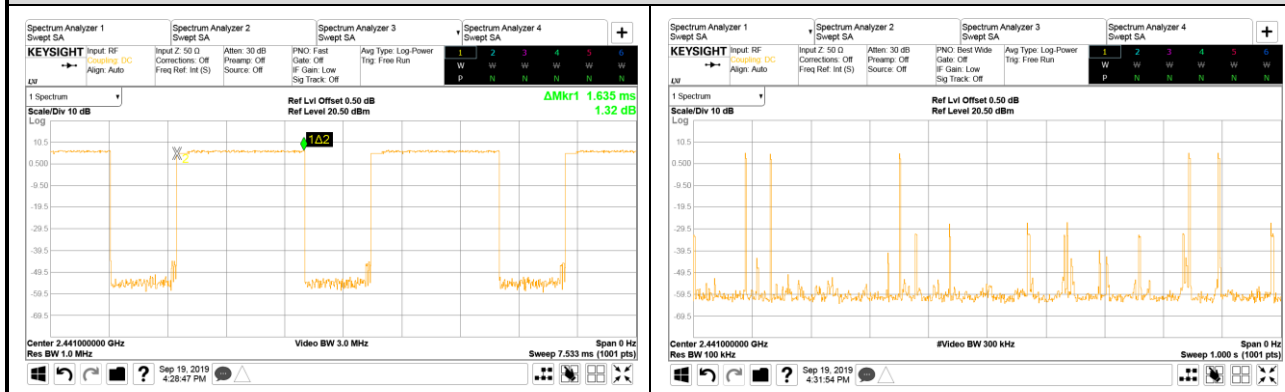
8-DPSK

2441MHz

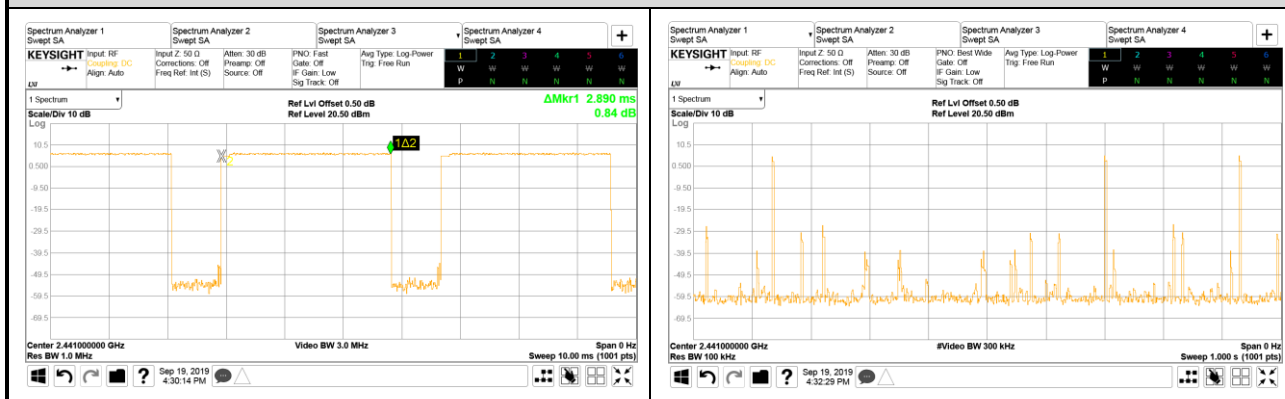
3DH1



3DH3



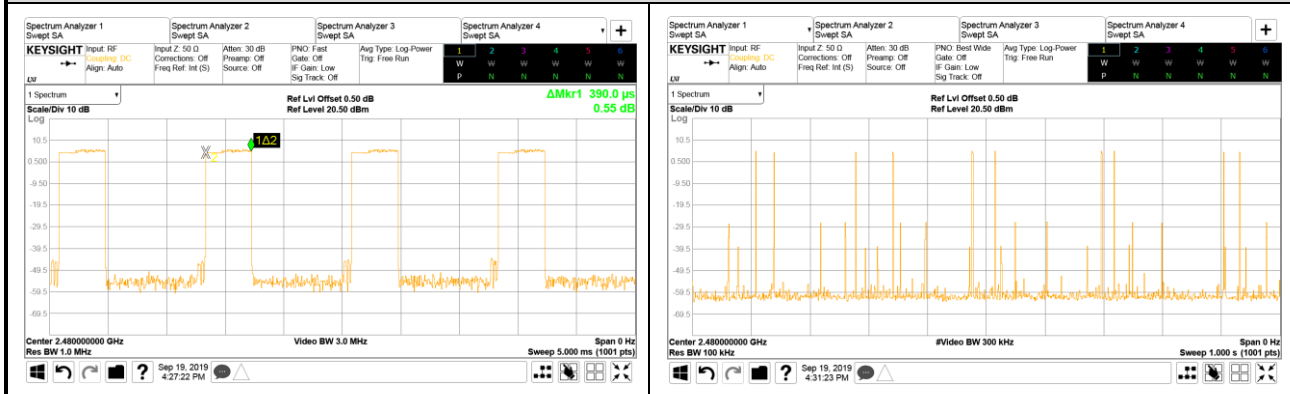
3DH5



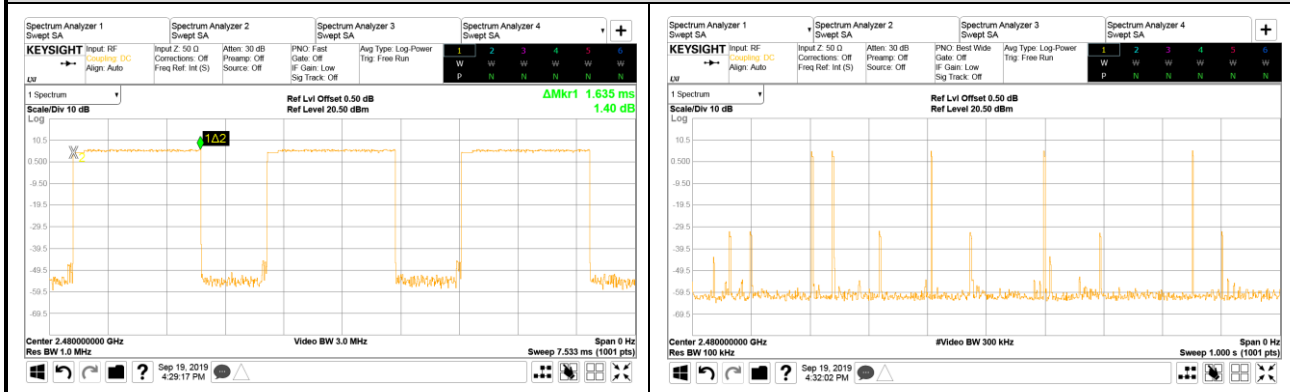
8-DPSK

2480MHz

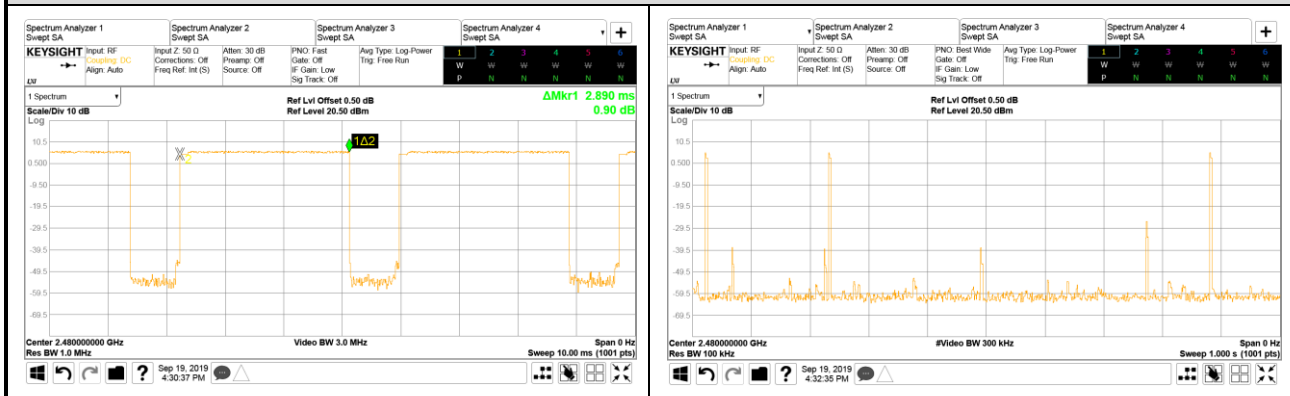
3DH1



3DH3



3DH5

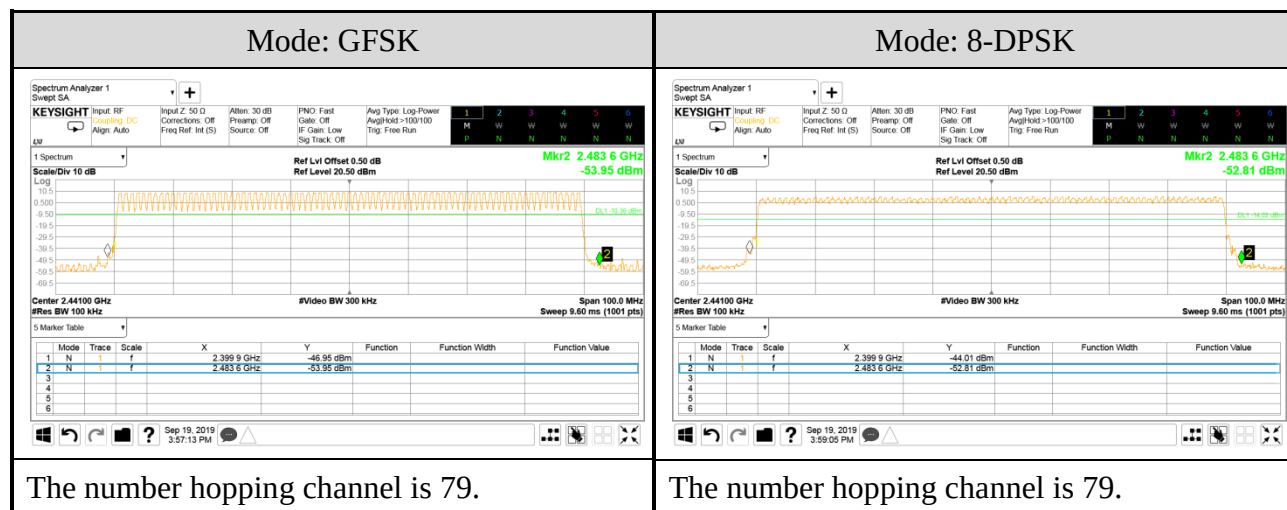


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A.6 NUMBER OF HOPPING CHANNELS

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



A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/18, 2021/06/29	Temp./Hum.	25°C/51%, 23°C/52%
Cable Loss	0.50dB	Tested By	Sean Wang/Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

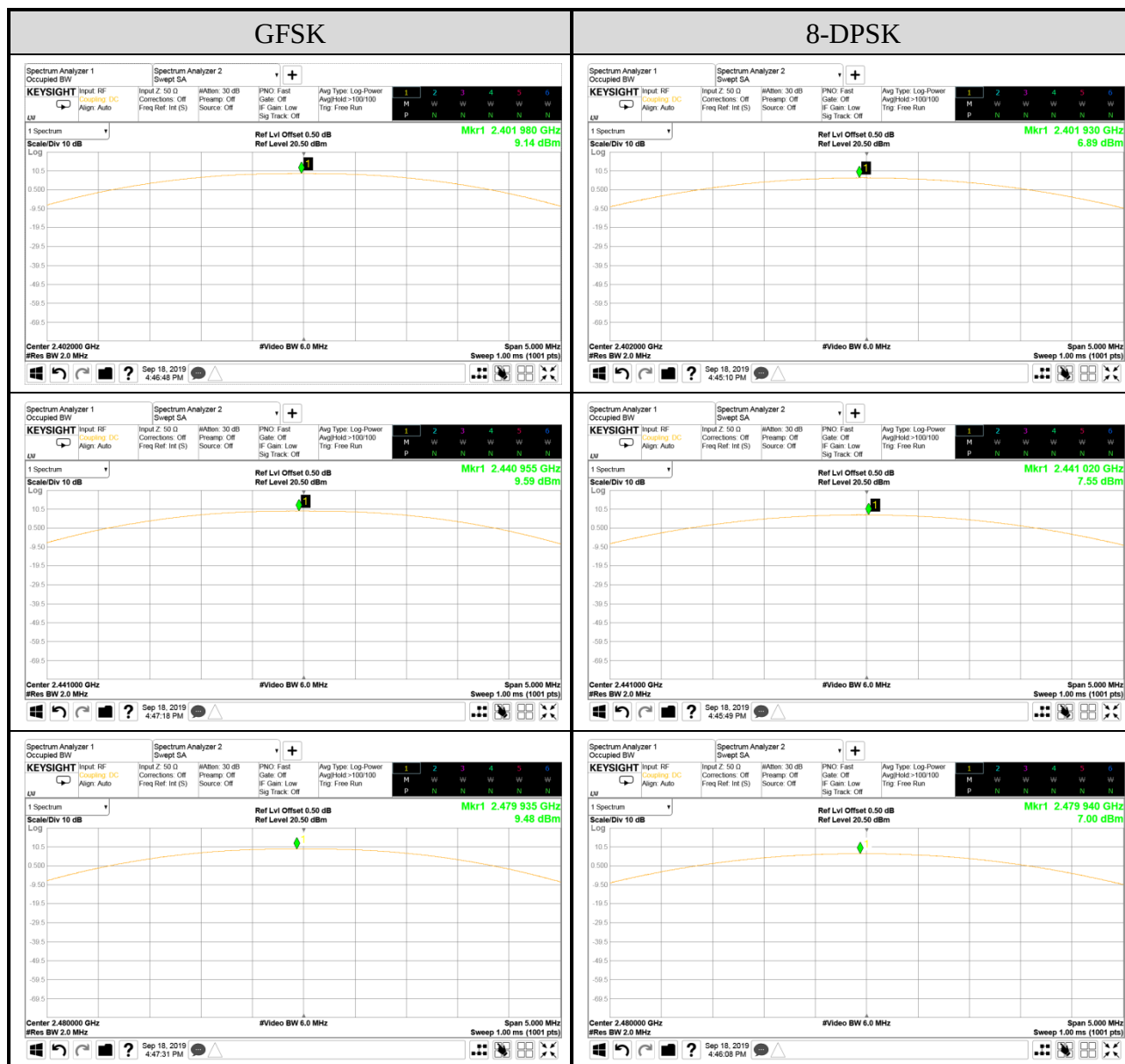
A.7.1 Maximum Peak Output Power

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Limit
		dBm	W	
GFSK	2402	9.14	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	8.77	0.008	21dBm (0.125W)
	2441	9.35	0.009	
	2480	9.48	0.009	
8-DPSK	2402	6.57	0.005	
	2441	7.16	0.005	
	2480	7.28	0.005	

A.7.2 Measurement Plots



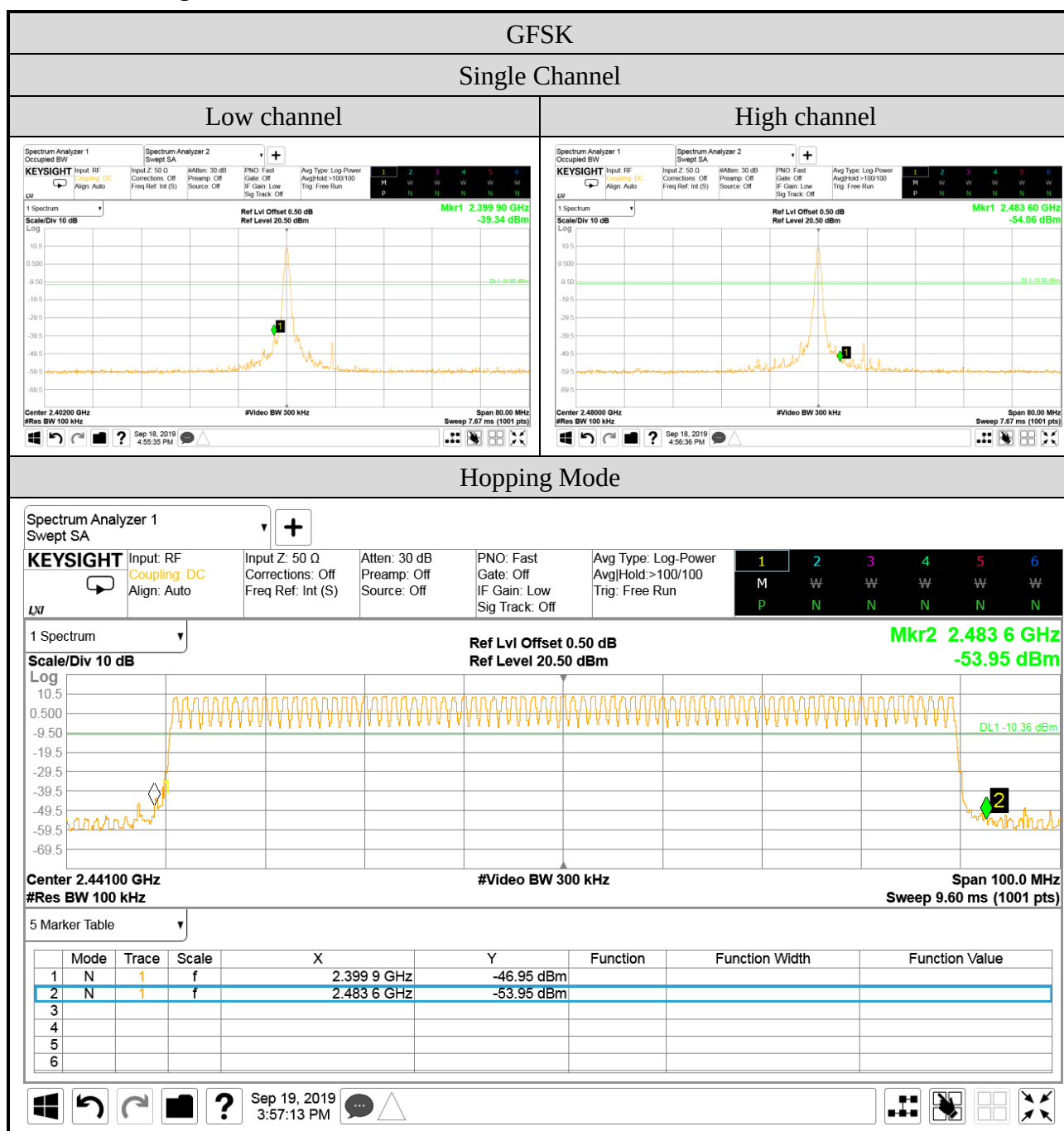
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A.8 EMISSION LIMITATIONS MEASUREMENT

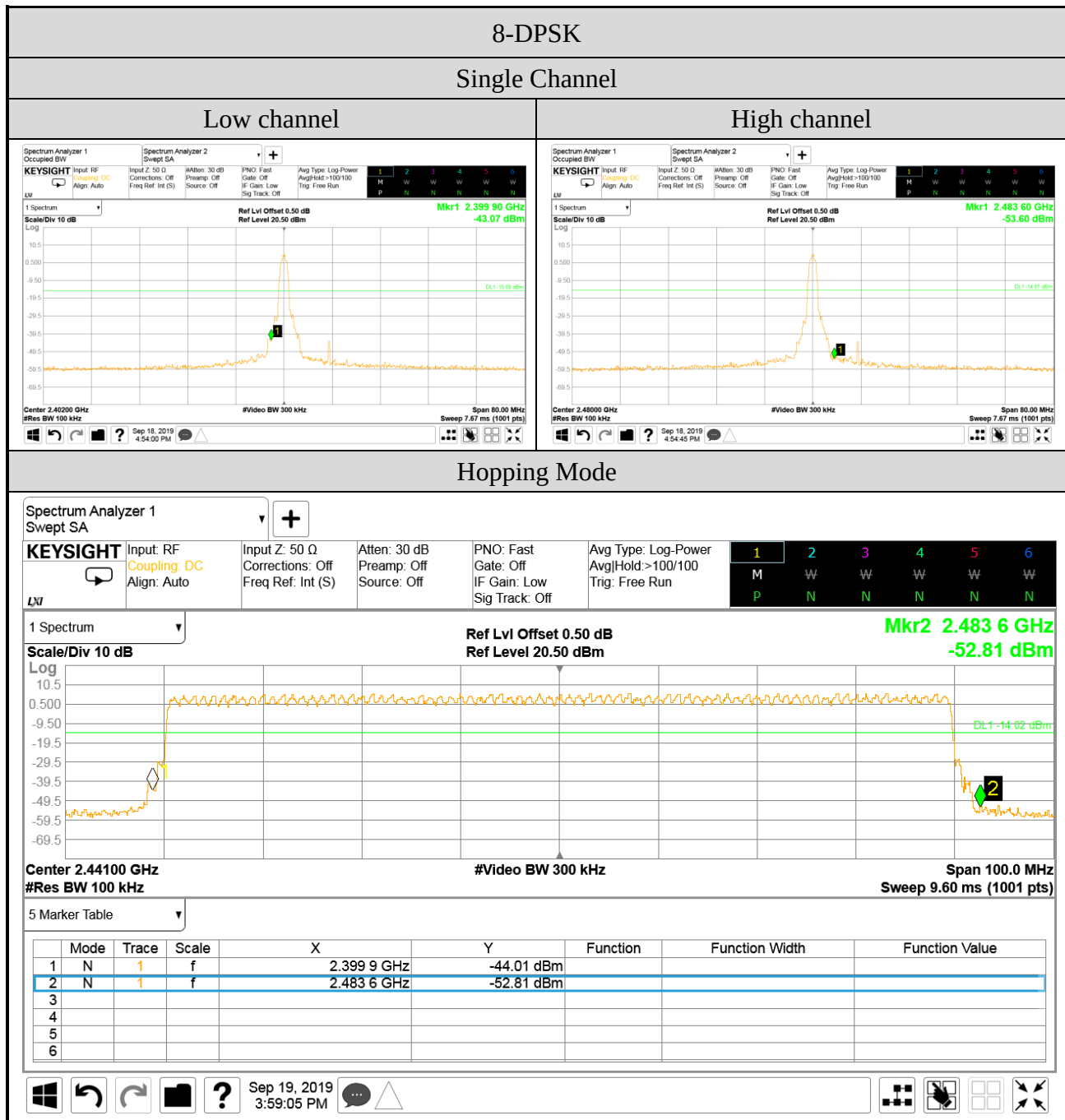
Test Date	2019/09/18 ~ 19	Temp./Hum.	25°C/51 ~ 54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge

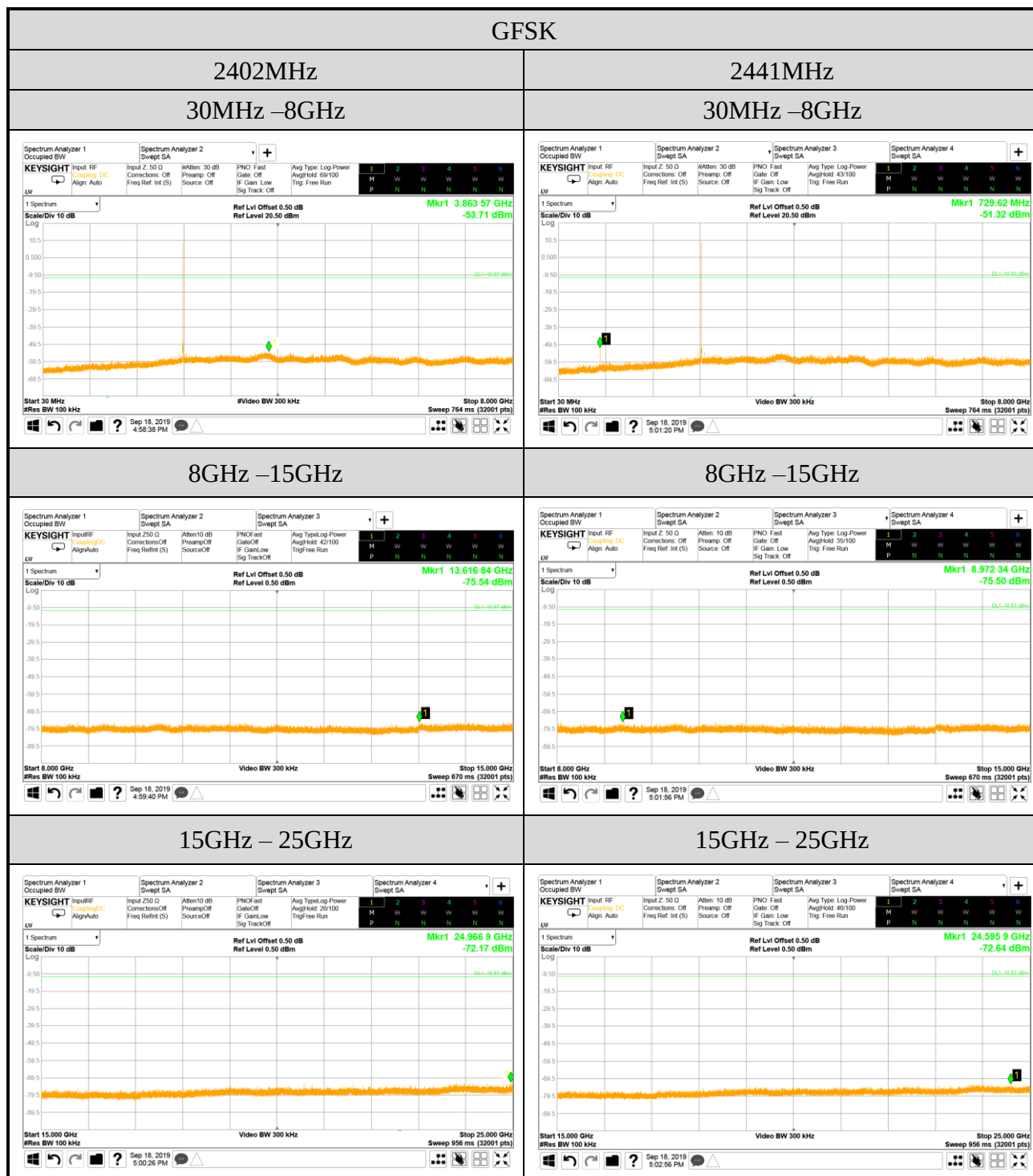


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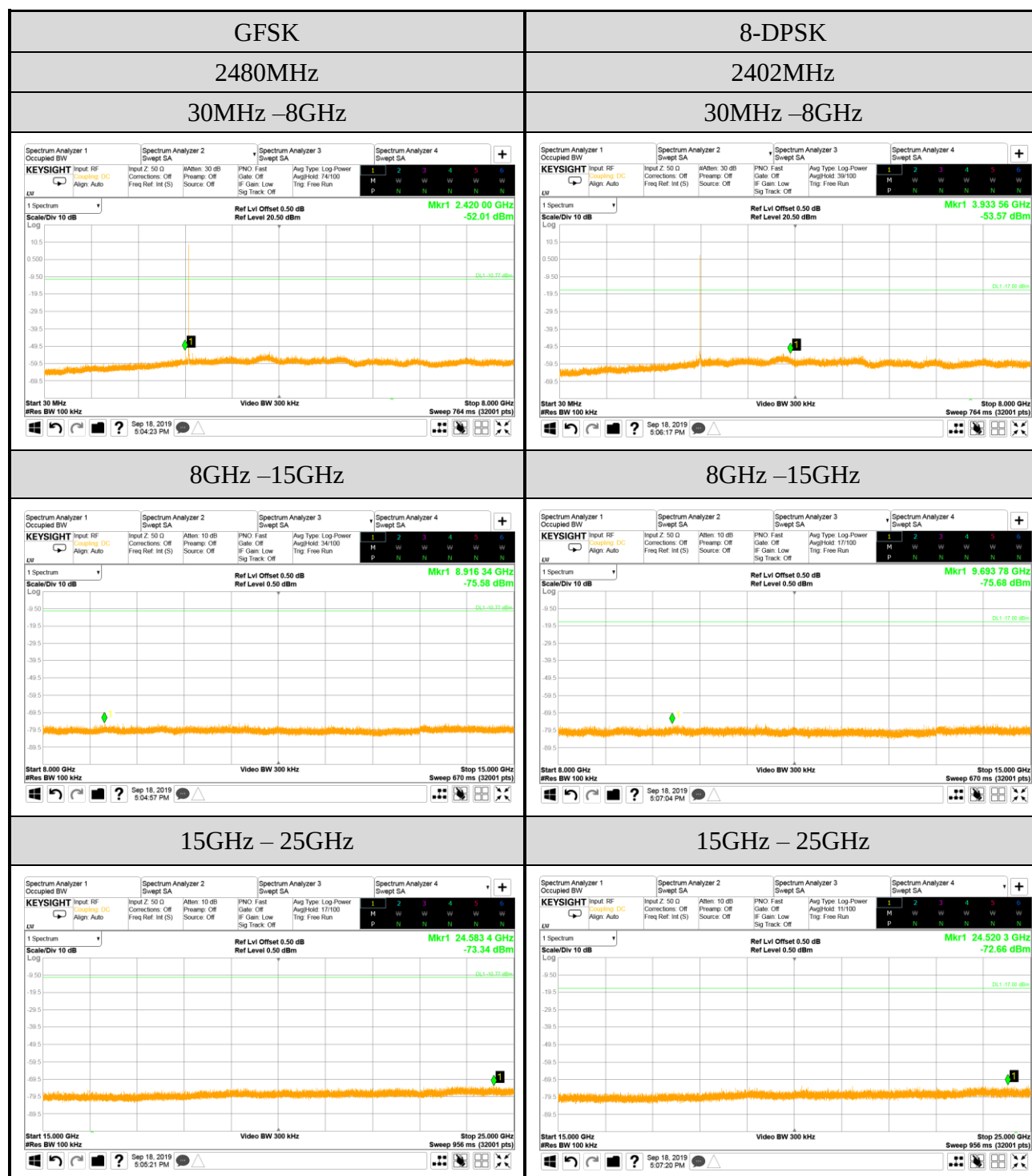
A.8.2 Spurious Emission



Note: All results have been included cable loss.

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Note: All results have been included cable loss.