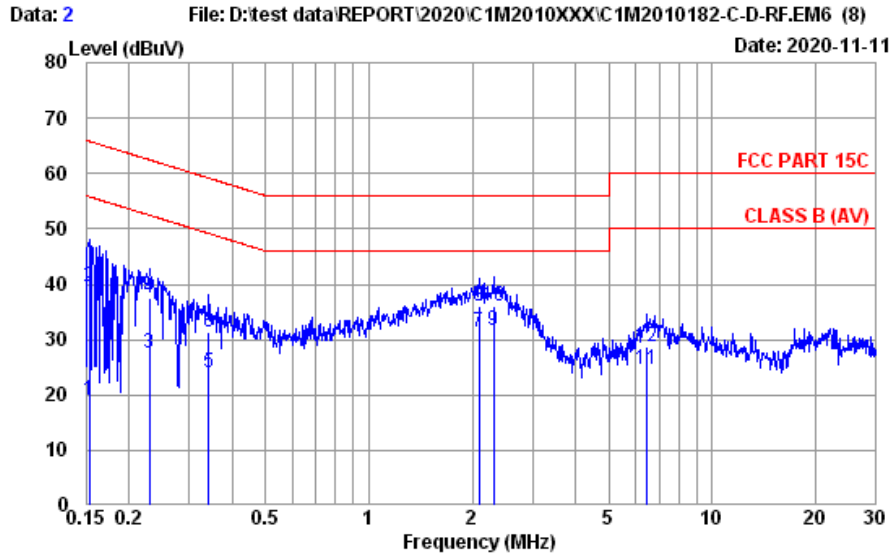


TABLE OF CONTENTS

A.1 CONDUCTED EMISSION	2
A.2 RADIATED EMISSION	2
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

A.1 CONDUCTED EMISSION

Test Date	2020/11/11	Temp./Hum.	24°C/51%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 (with INPAQ Antenna)	Test Model	17Z90P

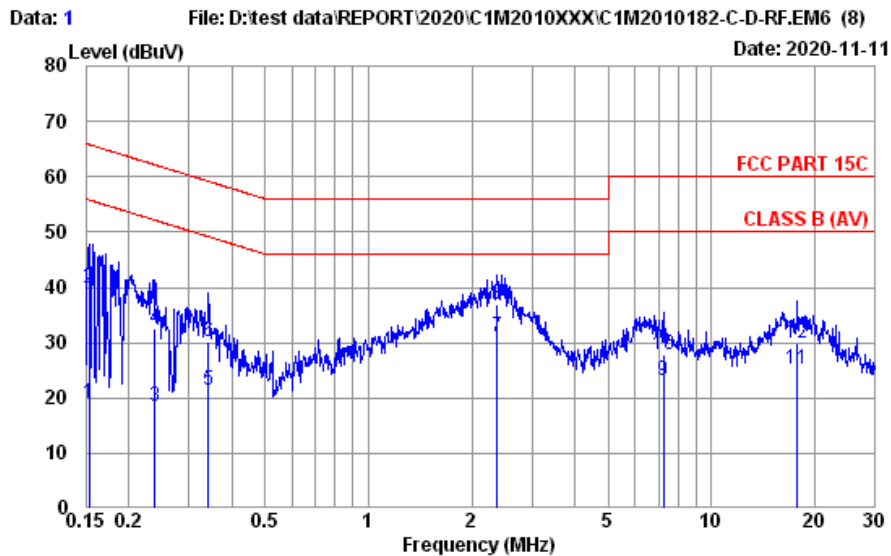


Site No. : No.8 Shielded Room Data No. : 2
 Instrument 1 : Receiver ESR(774)
 Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
 Limit : FCC PART 15C Phase : NEUTRAL
 Environment : 24°C / 51% Engineer : Roy Hung
 EUT Model : 17Z90P Test Rating : 120Vac/60Hz
 Test Mode : Operating
 Inpaq

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.153	10.20	0.03	9.85	-1.06	19.02	55.82	36.80	Average
2	0.153	10.20	0.03	9.85	19.36	39.44	65.82	26.38	QP
3	0.229	10.20	0.03	9.85	7.49	27.57	52.48	24.91	Average
4	0.229	10.20	0.03	9.85	17.41	37.49	62.48	24.99	QP
5	0.341	10.20	0.03	9.85	3.81	23.89	49.18	25.29	Average
6	0.341	10.20	0.03	9.85	11.16	31.24	59.18	27.94	QP
7	2.088	10.30	0.06	9.86	11.00	31.22	46.00	14.78	Average
8	2.088	10.30	0.06	9.86	15.68	35.90	56.00	20.10	QP
9	2.309	10.30	0.07	9.86	11.37	31.60	46.00	14.40	Average
10	2.309	10.30	0.07	9.86	15.89	36.12	56.00	19.88	QP
11	6.454	10.38	0.11	9.89	4.20	24.58	50.00	25.42	Average
12	6.454	10.38	0.11	9.89	8.22	28.60	60.00	31.40	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	2020/11/11	Temp./Hum.	24°C/51%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #1 (with INPAQ Antenna)	Test Model	17Z90P

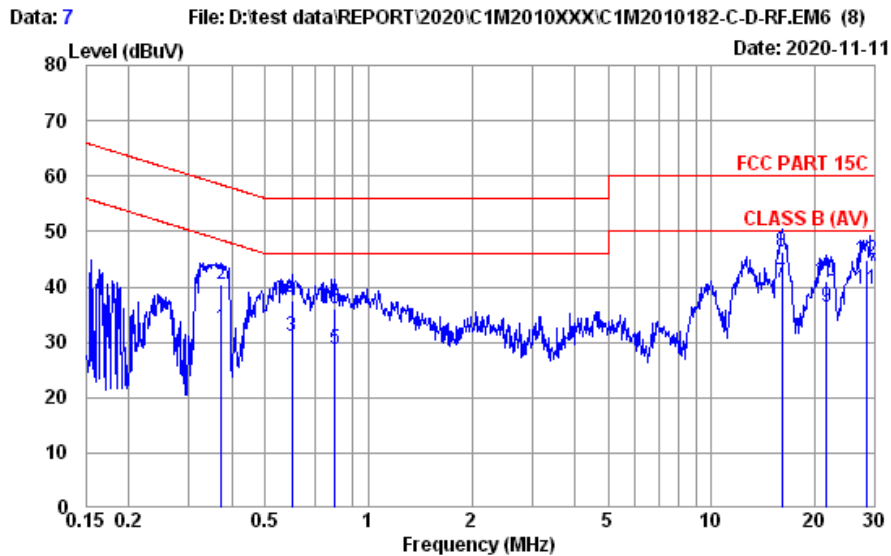


Site No. : No.8 Shielded Room Data No. : 1
 Instrument 1 : Receiver ESR(774)
 Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
 Limit : FCC PART 15C Phase : LINE
 Environment : 24°C / 51% Engineer : Roy Hung
 EUT Model : 17Z90P Test Rating : 120Vac/60Hz
 Test Mode : Operating
 Inpaq

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.153	10.20	0.03	9.85	-0.93	19.15	55.82	36.67	Average
2	0.153	10.20	0.03	9.85	19.76	39.84	65.82	25.98	QP
3	0.238	10.20	0.03	9.85	-1.65	18.43	52.17	33.74	Average
4	0.238	10.20	0.03	9.85	12.45	32.53	62.17	29.64	QP
5	0.341	10.20	0.03	9.85	1.39	21.47	49.18	27.71	Average
6	0.341	10.20	0.03	9.85	10.06	30.14	59.18	29.04	QP
7	2.371	10.30	0.07	9.86	10.92	31.15	46.00	14.85	Average
8	2.371	10.30	0.07	9.86	16.75	36.98	56.00	19.02	QP
9	7.252	10.31	0.12	9.90	2.90	23.23	50.00	26.77	Average
10	7.252	10.31	0.12	9.90	7.55	27.88	60.00	32.12	QP
11	17.755	10.56	0.19	9.95	4.55	25.25	50.00	24.75	Average
12	17.755	10.56	0.19	9.95	9.31	30.01	60.00	29.99	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.

Test Date	2020/11/11	Temp./Hum.	24°C/51%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)	Test Model	17Z90P

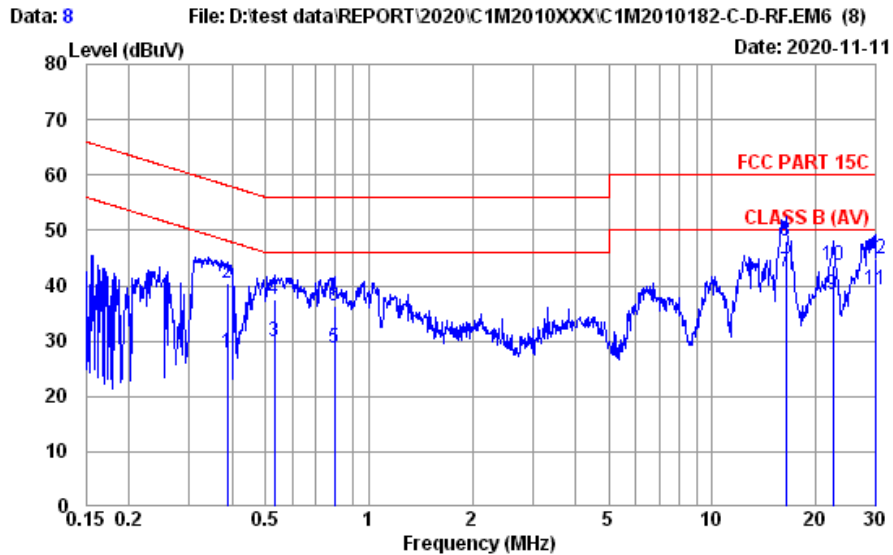


Site No. : No.8 Shielded Room Data No. : 7
 Instrument 1 : Receiver ESR(774)
 Instrument 2 : EHV432 (567)(A)|CE-08|ESH3-Z2 (354)
 Limit : FCC PART 15C Phase : NEUTRAL
 Environment : 24°C / 51% Engineer : Roy Hung
 EUT Model : 17Z90P Test Rating : 120Vac/60Hz
 Test Mode : Operating
 Luxshare

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.373	10.20	0.03	9.85	12.59	32.67	48.43	15.76	Average
2	0.373	10.20	0.03	9.85	20.42	40.50	58.43	17.93	QP
3	0.598	10.20	0.03	9.85	10.84	30.92	46.00	15.08	Average
4	0.598	10.20	0.03	9.85	17.57	37.65	56.00	18.35	QP
5	0.800	10.20	0.04	9.86	8.55	28.65	46.00	17.35	Average
6	0.800	10.20	0.04	9.86	15.87	35.97	56.00	20.03	QP
7	16.055	10.75	0.18	9.94	19.89	40.76	50.00	9.24	Average
8	16.055	10.75	0.18	9.94	25.56	46.43	60.00	13.57	QP
9	21.600	10.94	0.21	9.97	15.26	36.38	50.00	13.62	Average
10	21.600	10.94	0.21	9.97	19.82	40.94	60.00	19.06	QP
11	28.302	11.07	0.23	10.00	18.23	39.53	50.00	10.47	Average
12	28.302	11.07	0.23	10.00	23.58	44.88	60.00	15.12	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	2020/11/11	Temp./Hum.	24°C/51%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Roy Hung
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)	Test Model	17Z90P



Site No. : No.8 Shielded Room Data No. : 8
 Instrument 1 : Receiver ESR(774)
 Instrument 2 : ENH432 (567)(A)|CE-08|ESH3-Z2 (354)
 Limit : FCC PART 15C Phase : LINE
 Environment : 24°C / 51% Engineer : Roy Hung
 EUT Model : 17Z90P 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	0.387	10.20	0.03	9.85	7.62	27.70	48.12	20.42	Average
2	0.387	10.20	0.03	9.85	20.37	40.45	58.12	17.67	QP
3	0.529	10.20	0.03	9.86	9.77	29.86	46.00	16.14	Average
4	0.529	10.20	0.03	9.86	17.56	37.65	56.00	18.35	QP
5	0.792	10.20	0.04	9.86	8.50	28.60	46.00	17.40	Average
6	0.792	10.20	0.04	9.86	16.33	36.43	56.00	19.57	QP
7	16.398	10.53	0.18	9.95	21.91	42.57	50.00	7.43	Average
8	16.398	10.53	0.18	9.95	27.48	48.14	60.00	11.86	QP
9	22.416	10.60	0.21	9.97	17.50	38.28	50.00	11.72	Average
10	22.416	10.60	0.21	9.97	22.89	43.67	60.00	16.33	QP
11	29.841	10.60	0.24	10.01	18.47	39.32	50.00	10.68	Average
12	29.841	10.60	0.24	10.01	23.94	44.79	60.00	15.21	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	2020/10/23 ~ 11/06	Temp./Hum.	23~24°C /61~62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Kuper Hsu
Test SKU	SKU #1 (with INPAQ Antenna)	Test Model	17Z90P

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
30.970	23.78	1.23	26.53	28.89	27.37	40.00	12.63	Peak
101.780	16.92	2.45	26.31	31.53	24.59	43.50	18.91	Peak
215.270	16.44	3.69	25.84	35.70	29.99	43.50	13.51	Peak
408.300	22.01	6.10	26.61	29.65	31.15	46.00	14.85	Peak
845.770	26.44	8.40	27.28	28.89	36.45	46.00	9.55	Peak
978.660	27.28	9.07	26.90	28.61	38.06	54.00	15.94	Peak

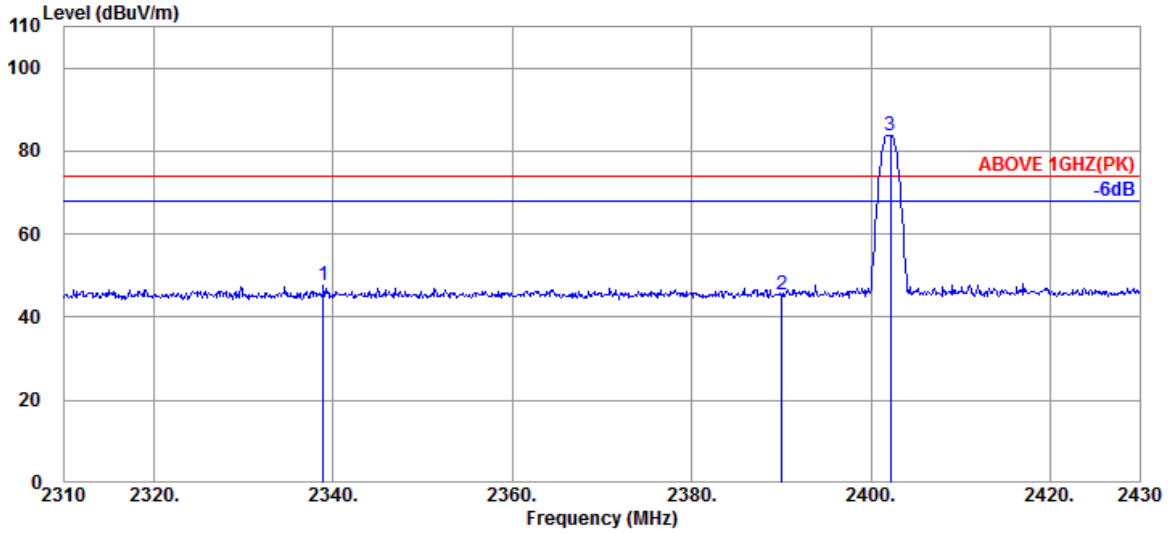
Antenna at Vertical Polarization

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
36.790	20.99	1.40	26.52	35.71	31.58	40.00	8.42	Peak
87.230	14.21	2.26	26.35	38.30	28.42	40.00	11.58	Peak
208.480	15.96	3.63	25.85	33.04	26.78	43.50	16.72	Peak
540.220	24.04	6.97	27.33	29.68	33.36	46.00	12.64	Peak
737.130	25.42	7.81	27.47	29.76	35.52	46.00	10.48	Peak
982.540	27.30	9.08	26.90	28.63	38.11	54.00	15.89	Peak

A.2.1.3 Frequency Above 1 GHz to 10th harmonics

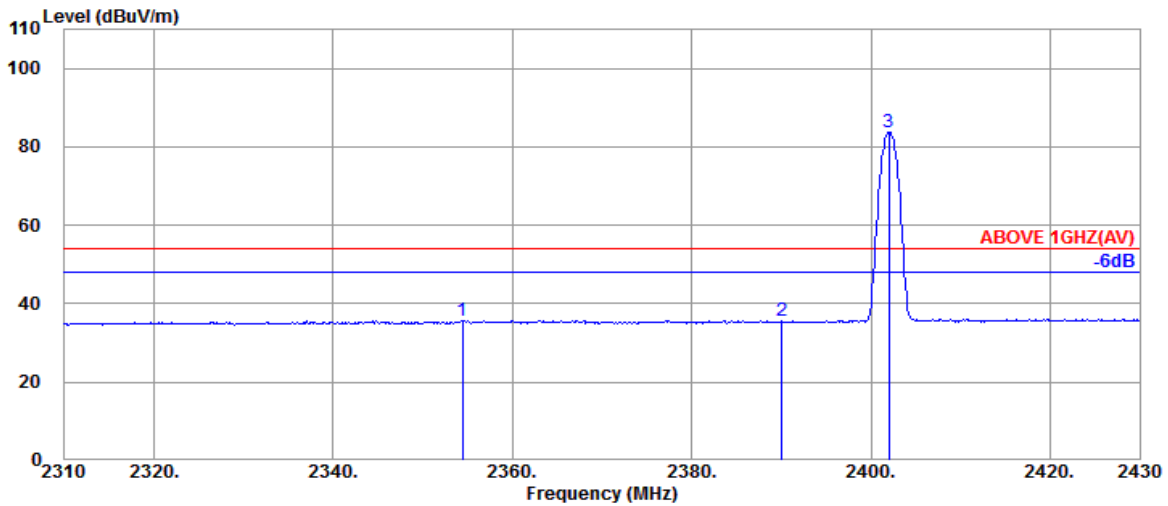
Band Edge:

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2338.920	28.18	5.62	39.91	53.89	47.78	74.00	26.22	Peak
2390.040	28.27	5.70	39.91	51.53	45.59	74.00	28.41	Peak
@ 2402.160	28.30	5.70	39.91	89.77	83.86	---	---	Peak

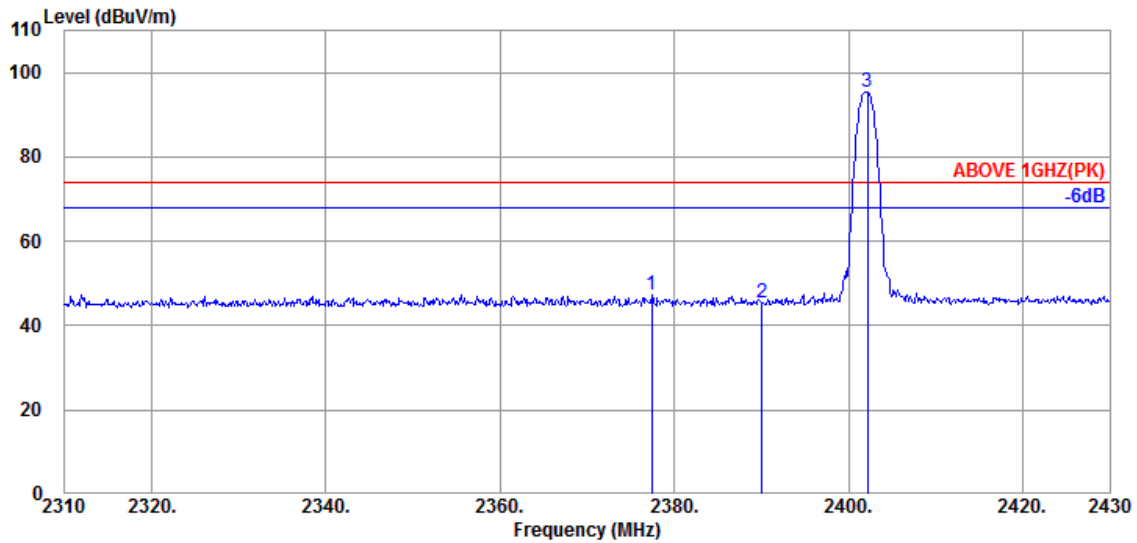


Antenna at Horizontal Polarization

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
2354.400	28.20	5.65	39.91	41.86	35.80	54.00	18.20	Average
2390.040	28.27	5.70	39.91	41.53	35.59	54.00	18.41	Average
@ 2402.040	28.30	5.70	39.91	89.56	83.65	---	---	Average

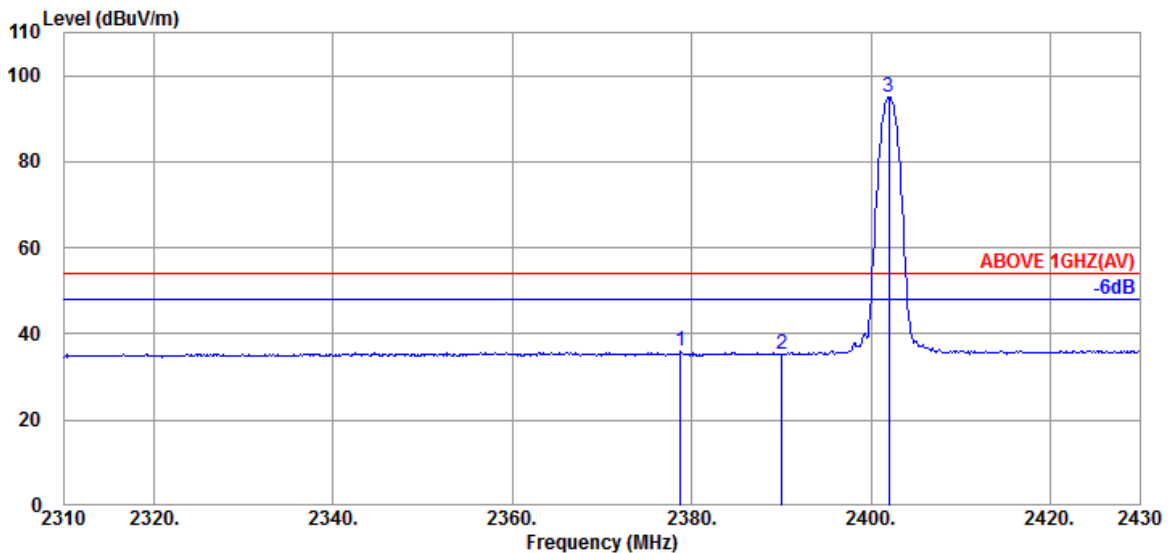
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2377.440	28.26	5.68	39.91	53.22	47.25	74.00	26.75	Peak
2390.040	28.27	5.70	39.91	51.26	45.32	74.00	28.68	Peak
@ 2402.160	28.30	5.70	39.91	101.23	95.32	---	---	Peak

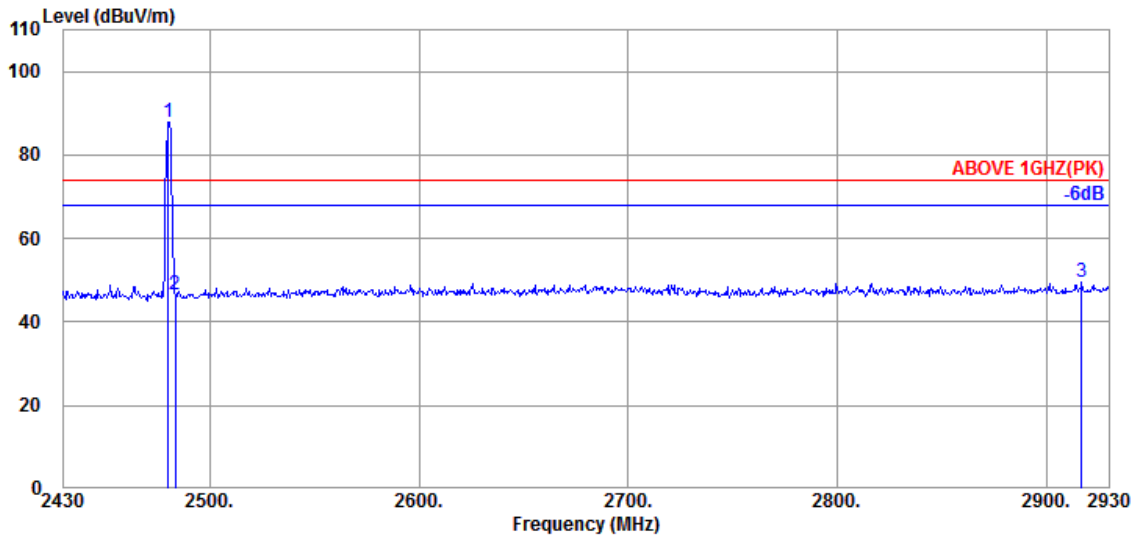


Antenna at Vertical Polarization

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
2378.760	28.26	5.68	39.91	41.83	35.86	54.00	15.85	Average
2390.040	28.27	5.70	39.91	41.13	35.19	54.00	18.57	Average
@ 2402.040	28.30	5.70	39.91	101.00	95.09	---	---	Average

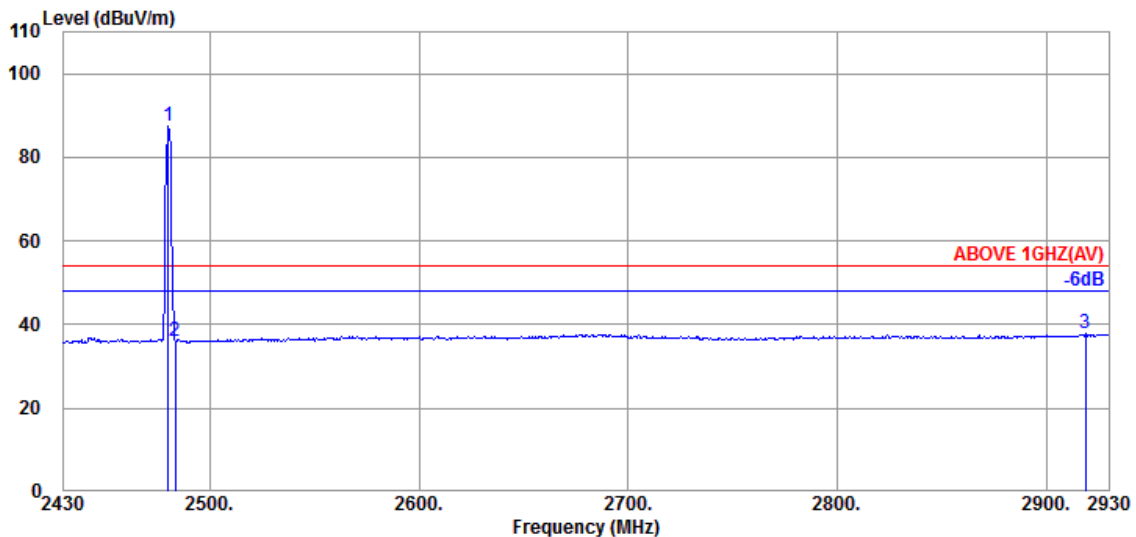
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	93.29	87.81	---	---	Peak
2483.500	28.60	5.83	39.91	52.20	46.72	74.00	27.28	Peak
2917.000	29.70	6.38	40.01	53.37	49.44	74.00	24.56	Peak

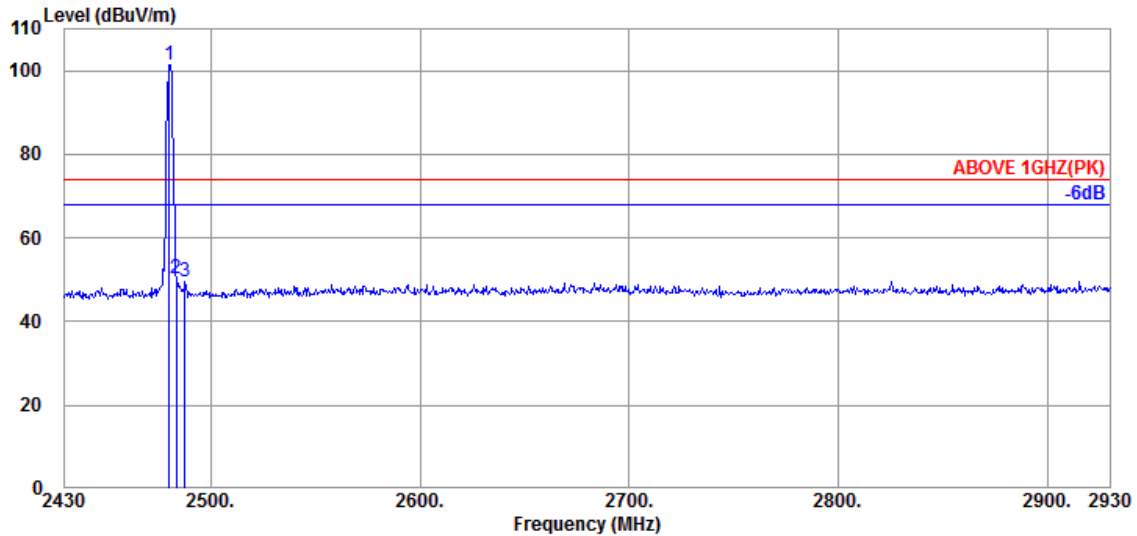


Antenna at Horizontal Polarization

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
@ 2480.000	28.60	5.83	39.91	92.82	87.34	---	---	Average
2483.500	28.60	5.83	39.91	41.69	36.21	54.00	17.79	Average
2919.000	29.75	6.38	40.01	41.61	37.73	54.00	16.27	Average

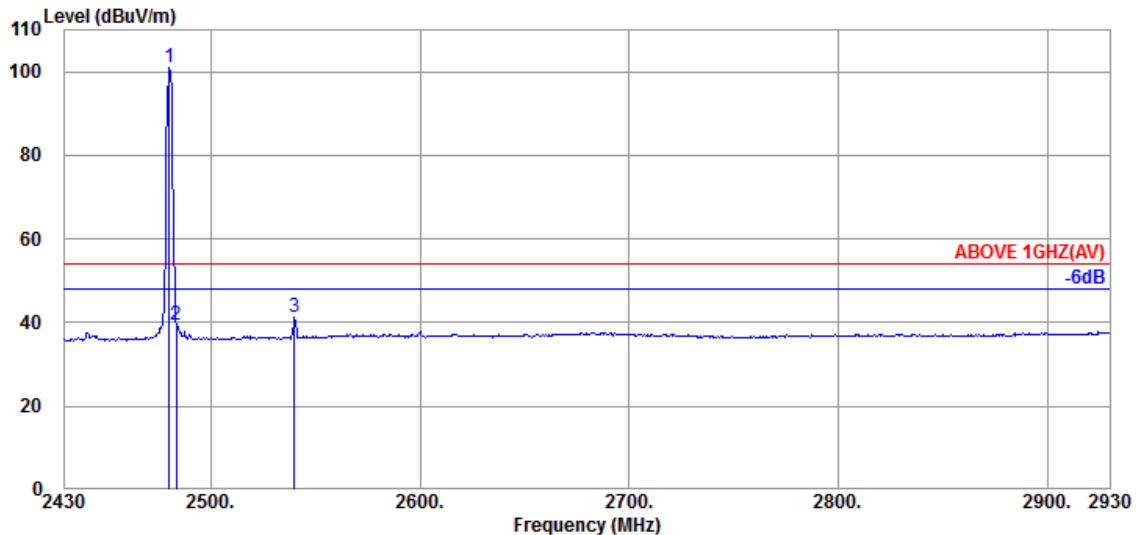
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	106.75	101.27	---	---	Peak
2483.500	28.60	5.83	39.91	55.76	50.28	74.00	23.72	Peak
2487.500	28.60	5.86	39.91	55.02	49.57	74.00	24.43	Peak

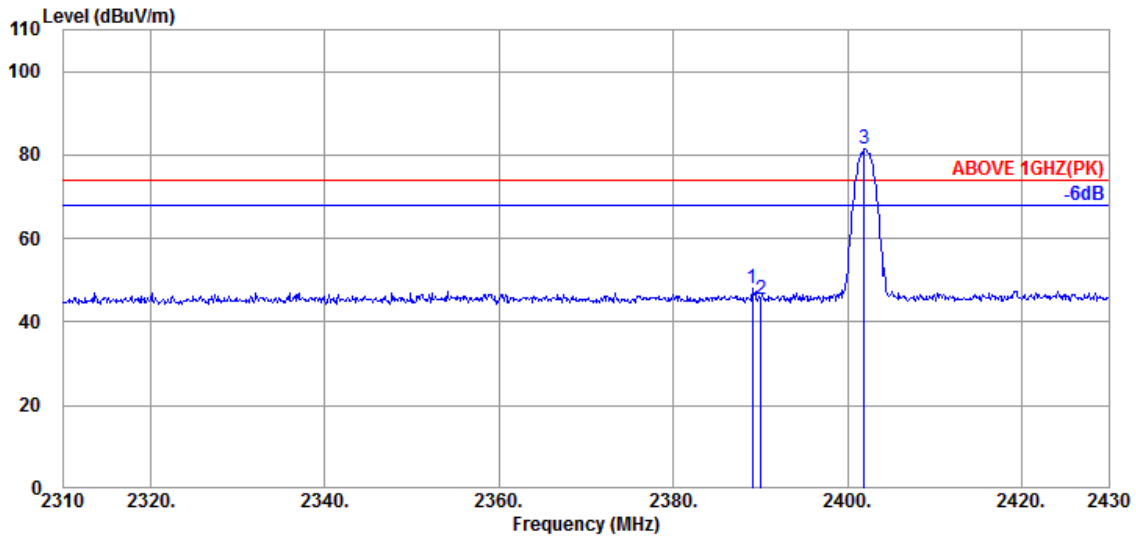


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	106.44	100.96	---	---	Average
2483.500	28.60	5.83	39.91	44.88	39.40	54.00	14.60	Average
2540.000	28.69	5.92	39.92	46.72	41.41	54.00	12.59	Average

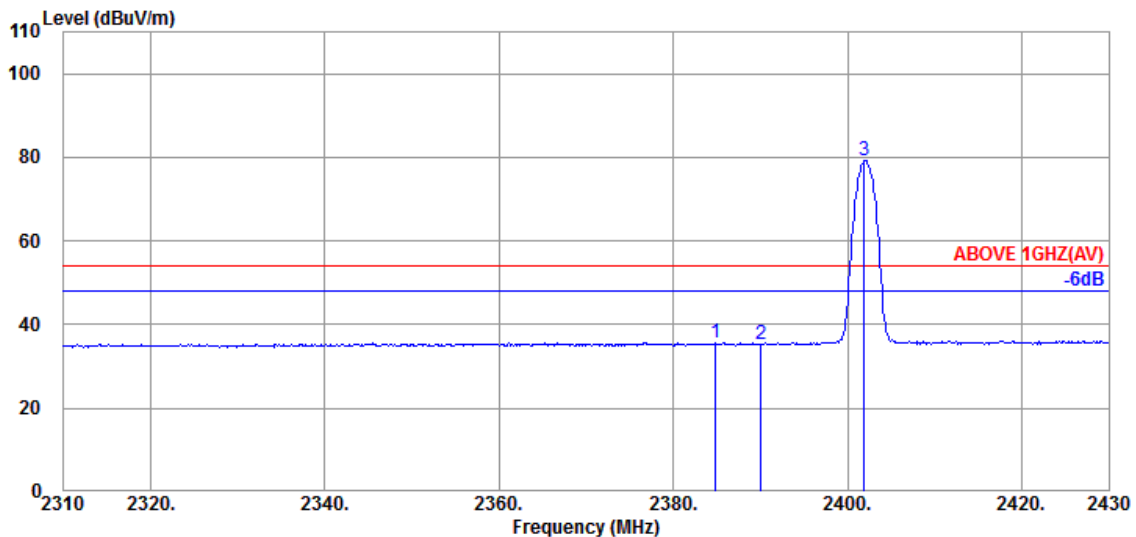
Remark: The "@" means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.080	28.27	5.70	39.91	53.98	48.04	74.00	25.96	Peak
2390.040	28.27	5.70	39.91	51.42	45.48	74.00	28.52	Peak
@ 2401.920	28.30	5.70	39.91	87.28	81.37	---	---	Peak

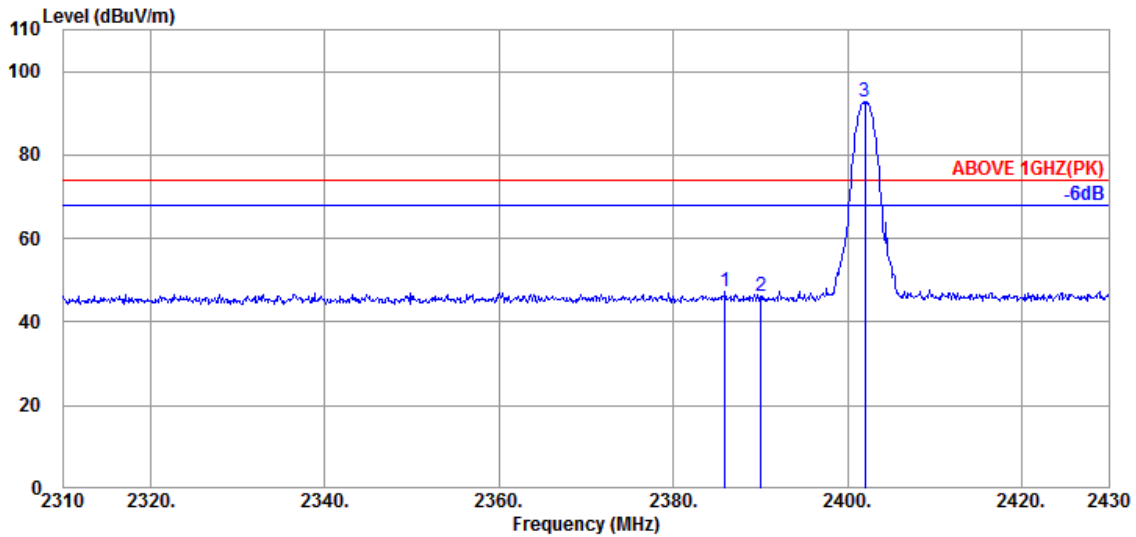


Antenna at Horizontal Polarization

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
2384.880	28.27	5.68	39.91	41.71	35.75	54.00	18.25	Average
2390.040	28.27	5.70	39.91	41.20	35.26	54.00	18.74	Average
@ 2401.920	28.30	5.70	39.91	85.01	79.10	---	---	Average

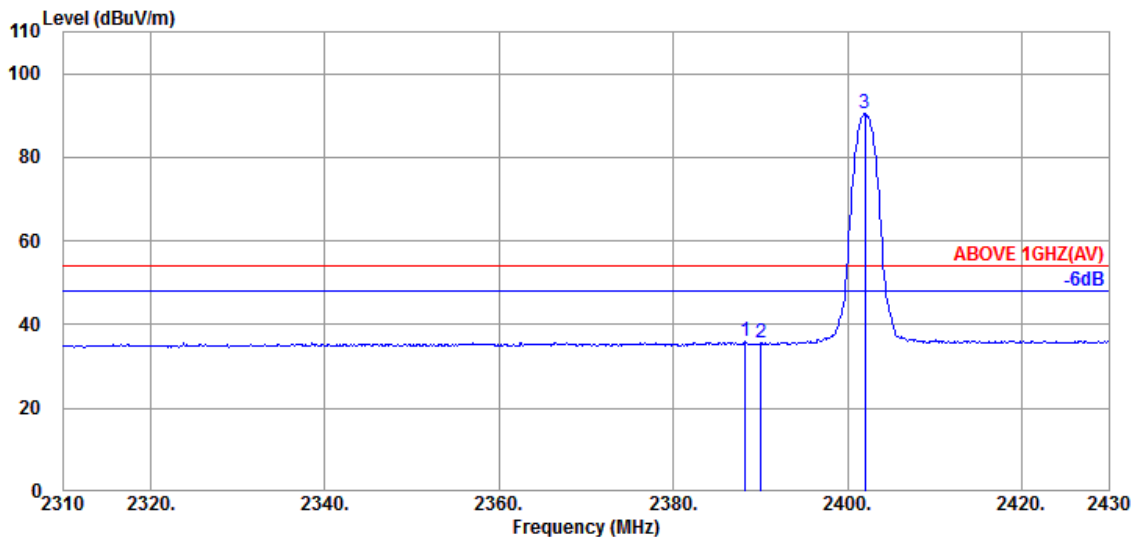
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2385.960	28.27	5.70	39.91	53.10	47.16	74.00	26.84	Peak
2390.040	28.27	5.70	39.91	52.13	46.19	74.00	27.81	Peak
@ 2402.040	28.30	5.70	39.91	98.70	92.79	---	---	Peak

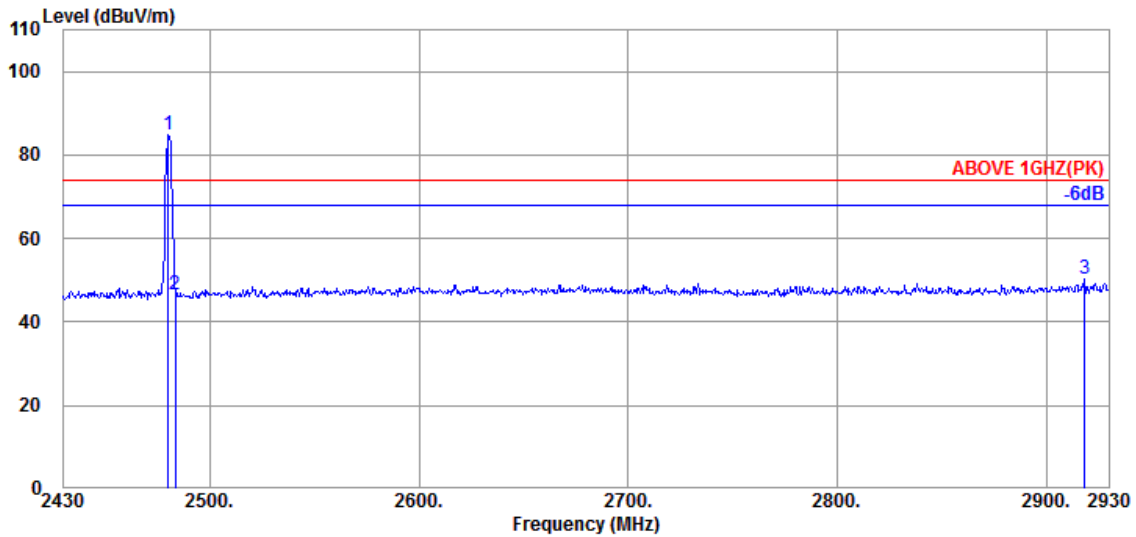


Antenna at Vertical Polarization

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
2388.240	28.27	5.70	39.91	41.83	35.89	54.00	18.11	Average
2390.040	28.27	5.70	39.91	41.61	35.67	54.00	18.33	Average
@ 2402.040	28.30	5.70	39.91	96.27	90.36	---	---	Average

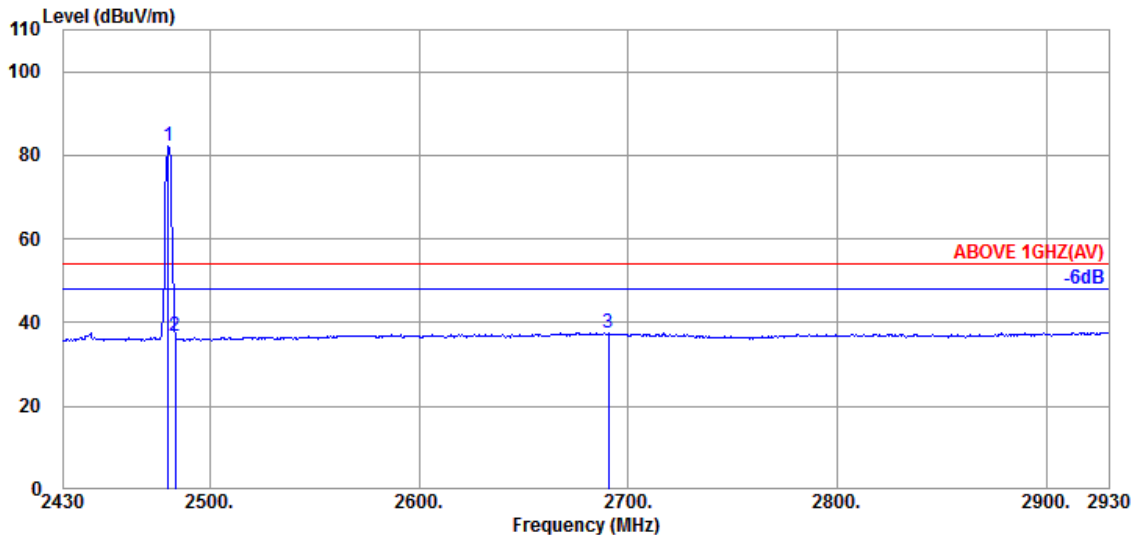
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	90.17	84.69	---	---	Peak
2483.500	28.60	5.83	39.91	51.92	46.44	74.00	27.56	Peak
2918.500	29.75	6.38	40.01	54.08	50.20	74.00	23.80	Peak

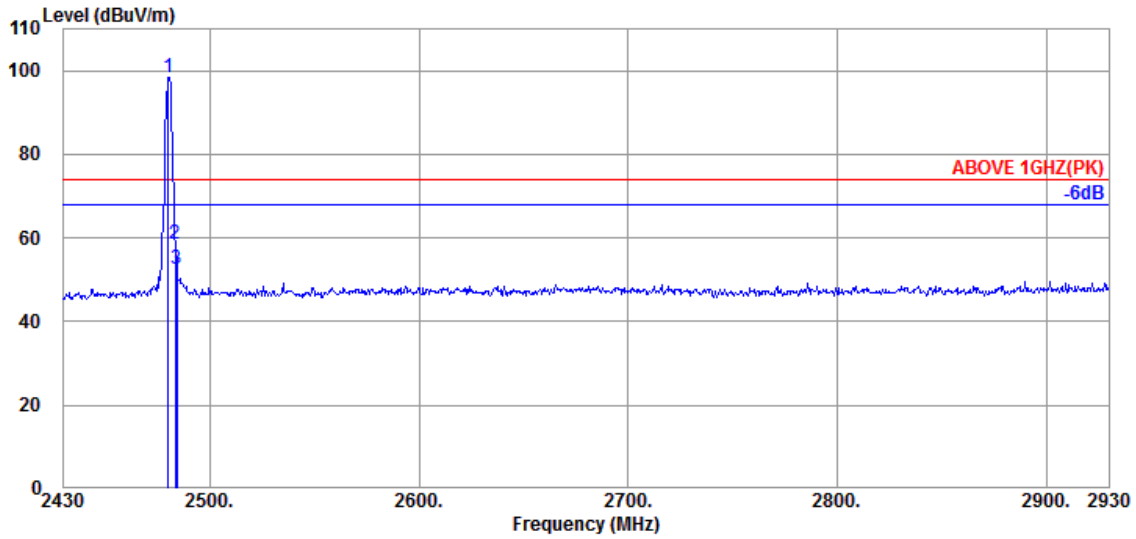


Antenna at Horizontal Polarization

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
@ 2480.000	28.60	5.83	39.91	87.80	82.32	---	---	Average
2483.500	28.60	5.83	39.91	42.31	36.83	54.00	17.17	Average
2690.500	29.04	6.09	39.96	42.54	37.71	54.00	16.29	Average

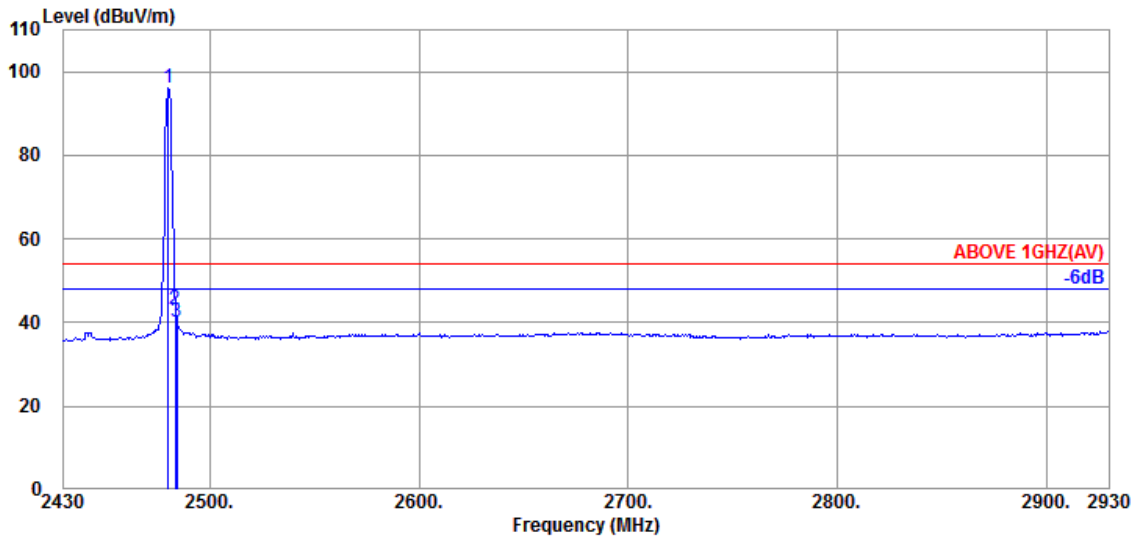
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	103.97	98.49	---	---	Peak
2483.500	28.60	5.83	39.91	63.99	58.51	74.00	15.49	Peak
2484.000	28.60	5.83	39.91	57.97	52.49	74.00	21.51	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.000	28.60	5.83	39.91	101.57	96.09	---	---	Average
2483.500	28.60	5.83	39.91	48.74	43.26	54.00	10.74	Average
2484.000	28.60	5.83	39.91	45.54	40.06	54.00	13.94	Average

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

A.2.2 Emissions outside the frequency band:

The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	GFSK	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.40	8.17	39.33	43.95	46.19	54.00	7.81	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	33.40	8.17	39.33	43.68	45.92	54.00	8.08	Peak

Mode	GFSK	Frequency	TX 2441MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.52	8.20	39.29	43.77	46.20	54.00	7.80	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	33.52	8.20	39.29	44.80	47.23	54.00	6.77	Peak

Mode	GFSK	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.72	8.24	39.25	45.72	48.43	54.00	5.57	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	33.72	8.24	39.25	44.87	47.58	54.00	6.42	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

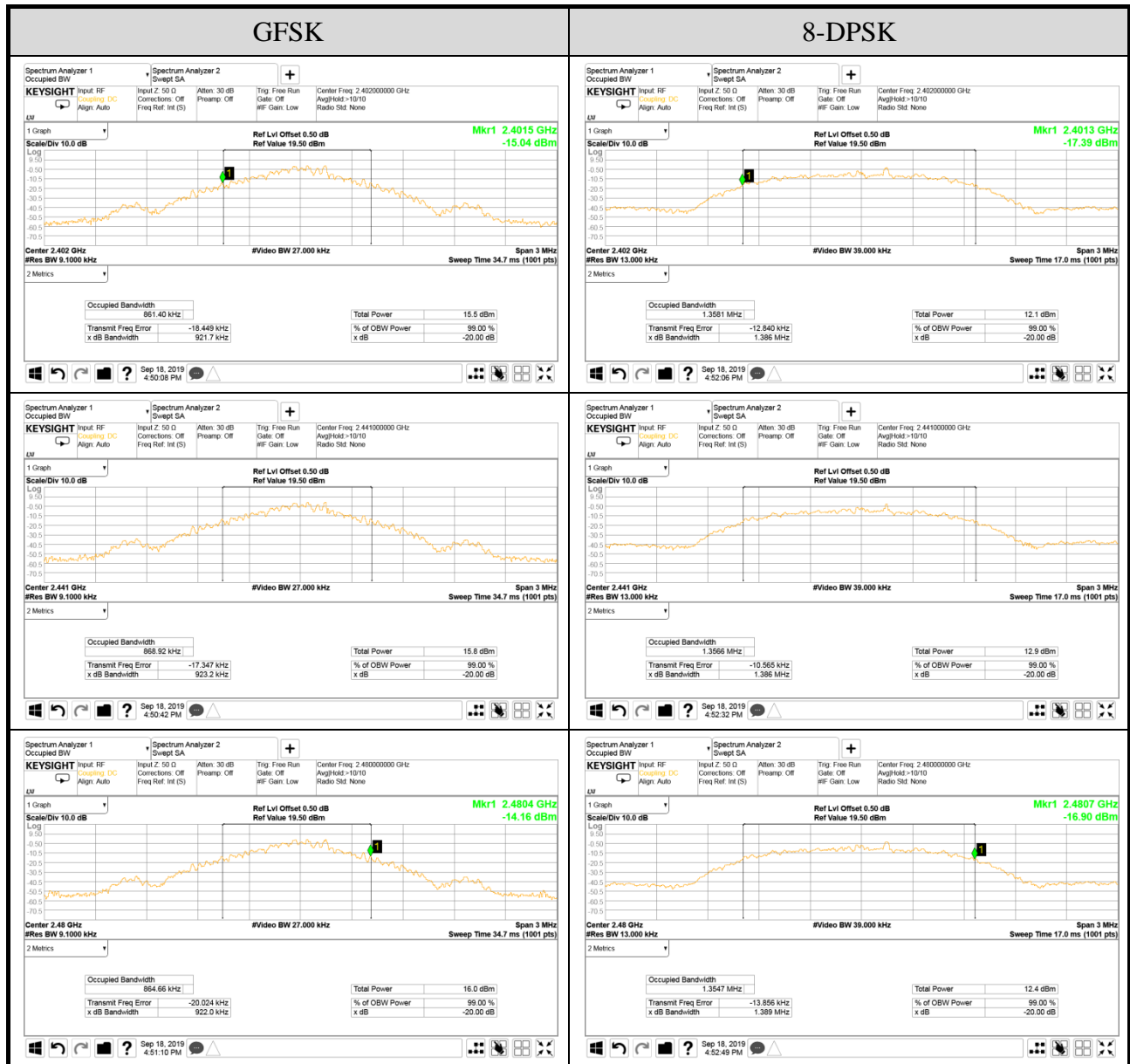
Test Date	2019/09/18	Temp./Hum.	25°C/51%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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

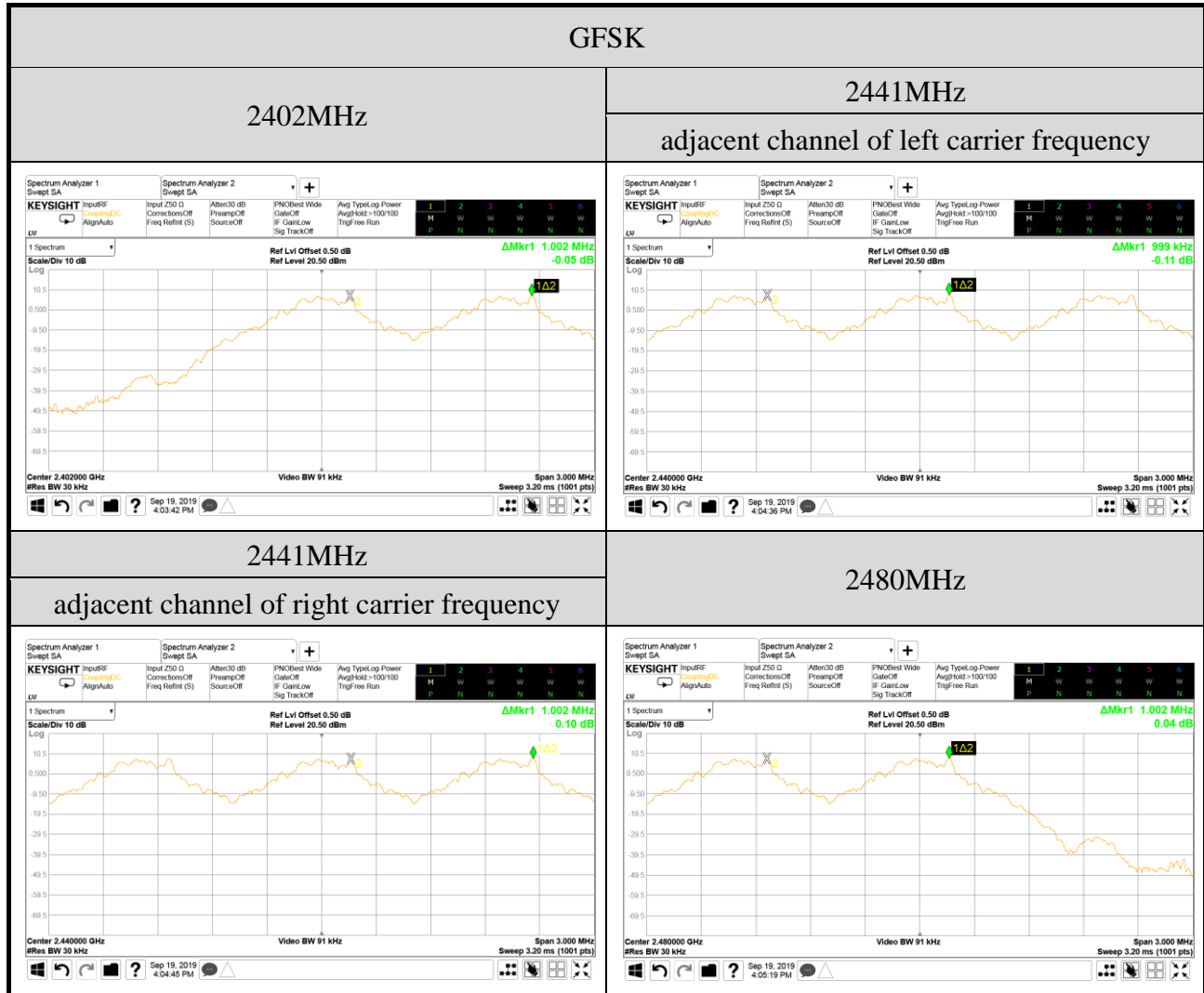
Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

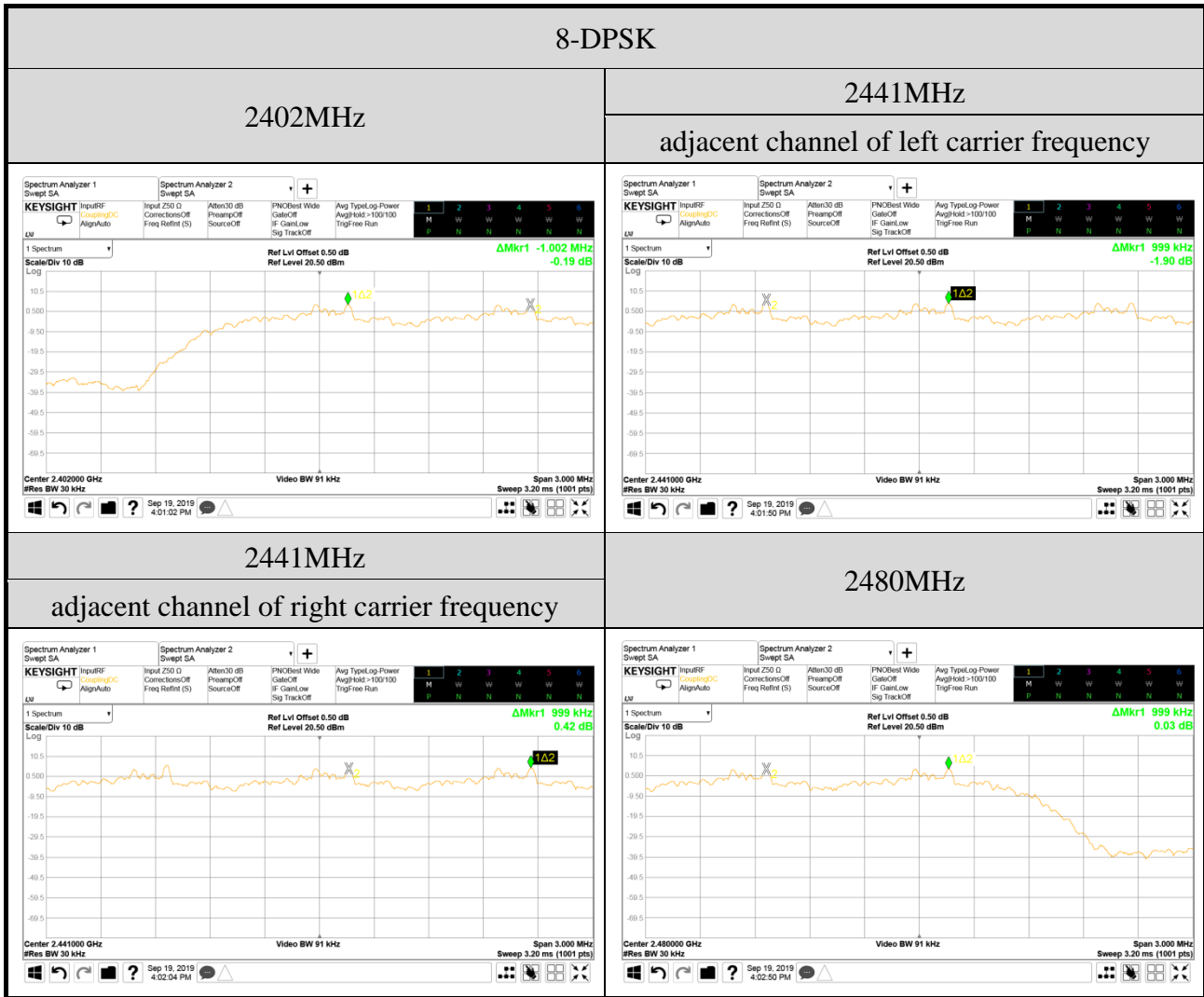
A.3.2 Measurement Plots



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)		





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:

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

DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is
 10 transmission * 31.6 seconds * 0.380 ms = 120.080 ms (<400ms)

DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is
 5 transmission * 31.6 seconds * 1.635 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:

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

DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is
 10 transmission * 31.6 seconds * 0.380 ms = 120.080 ms (<400ms)

DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is
 5 transmission * 31.6 seconds * 1.635 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	2480	DH1	10	0.380	120.080	<400
		DH3	5	1.635	258.330	<400
		DH5	3	2.880	273.024	<400

Observation Period:

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

DH1 Mode

For each second of **10** transmission appearance, the longest time of occupancy is
10 transmission * **31.6** seconds * **0.380** ms = **120.080** ms (<400ms)

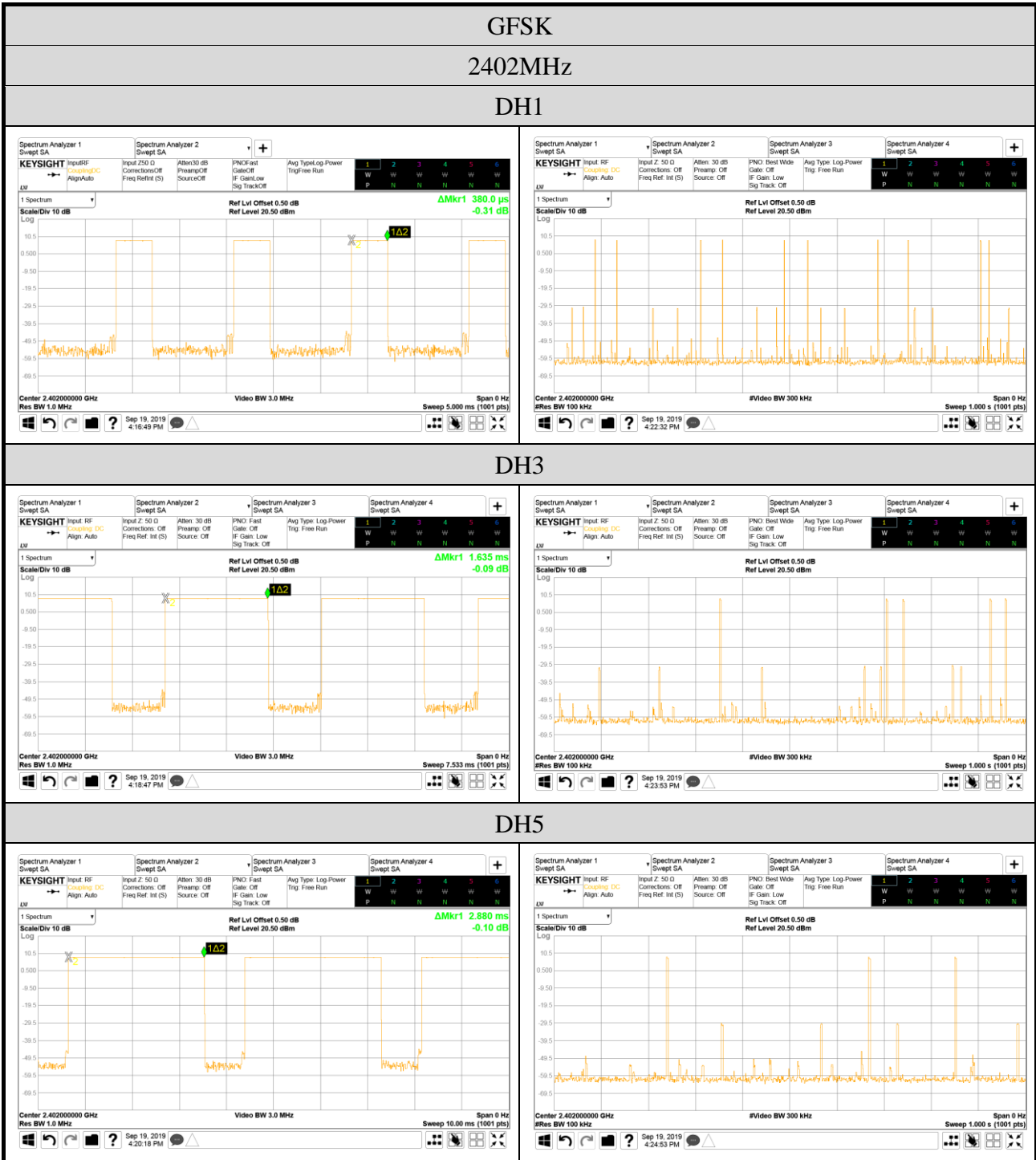
DH3 Mode

For each second of **5** transmission appearance, the longest time of occupancy is
5 transmission * **31.6** seconds * **1.635** ms = **258.330** ms (<400ms)

DH5 Mode

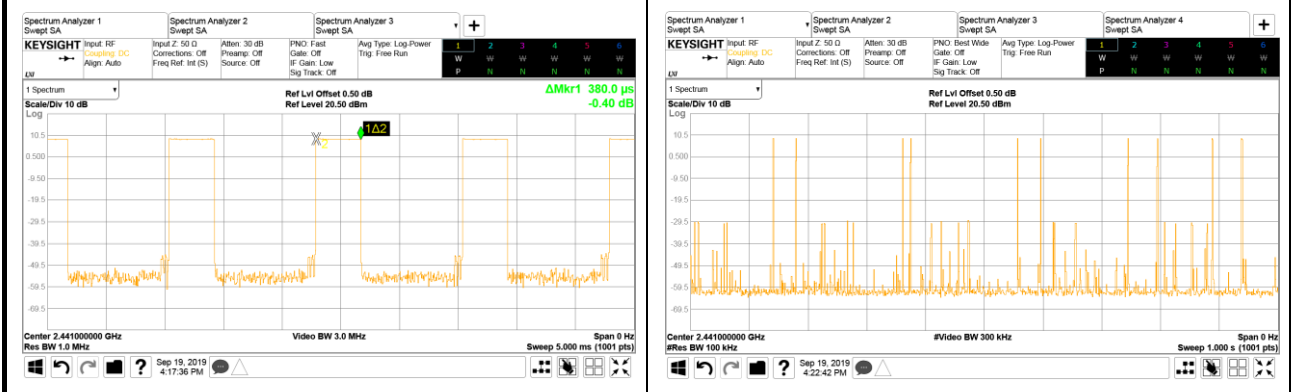
For each second of **3** transmission appearance, the longest time of occupancy is
3 transmission * **31.6** seconds * **2.880** ms = **273.024** ms (<400ms)

● Measurement Plots



GFSK
 2441MHz

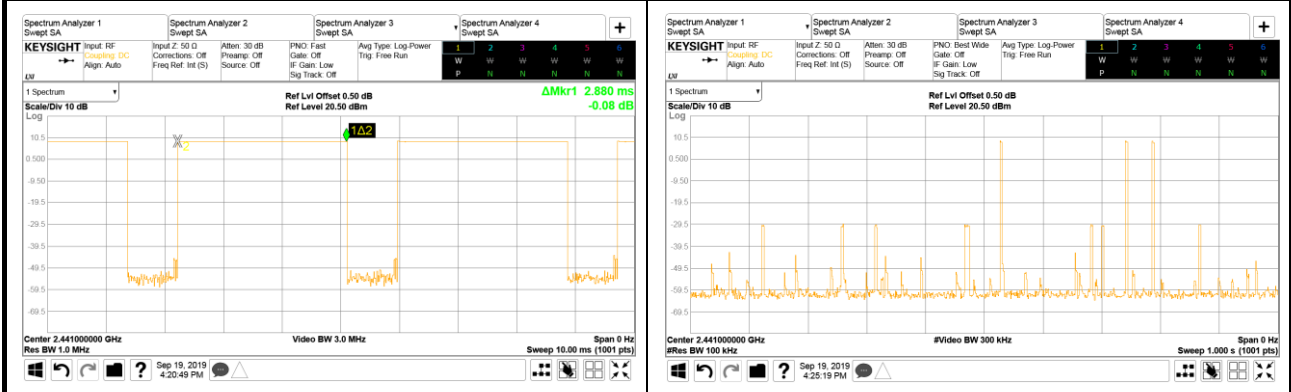
DH1



DH3

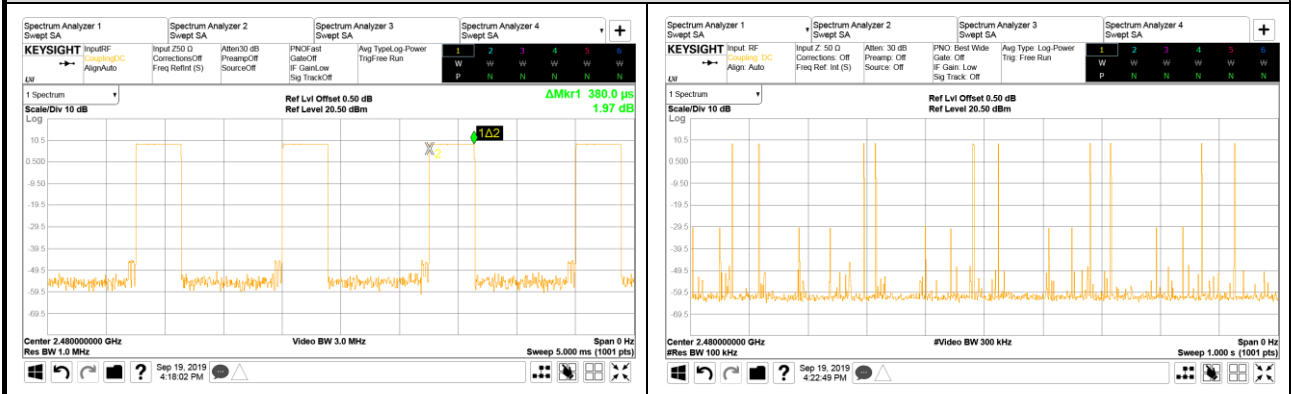


DH5

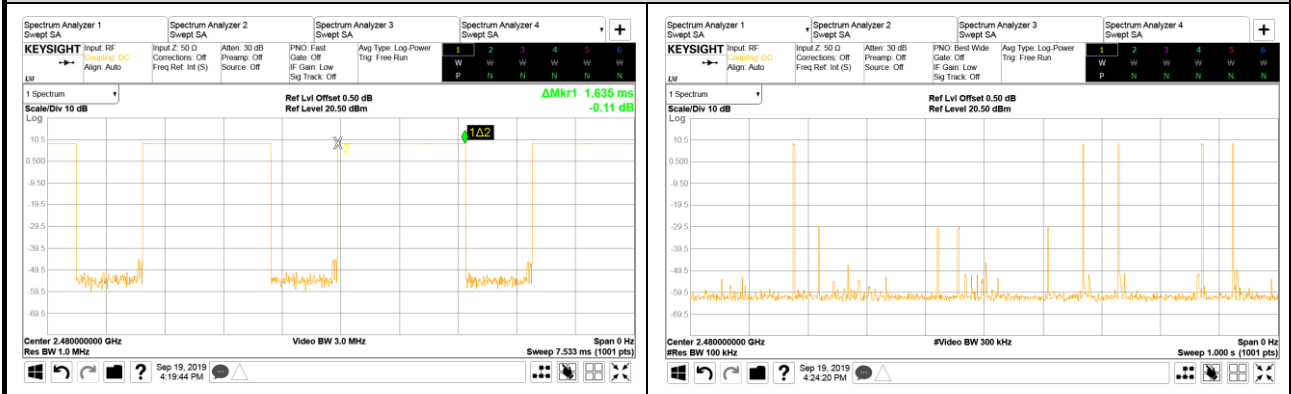


GFSK
2480MHz

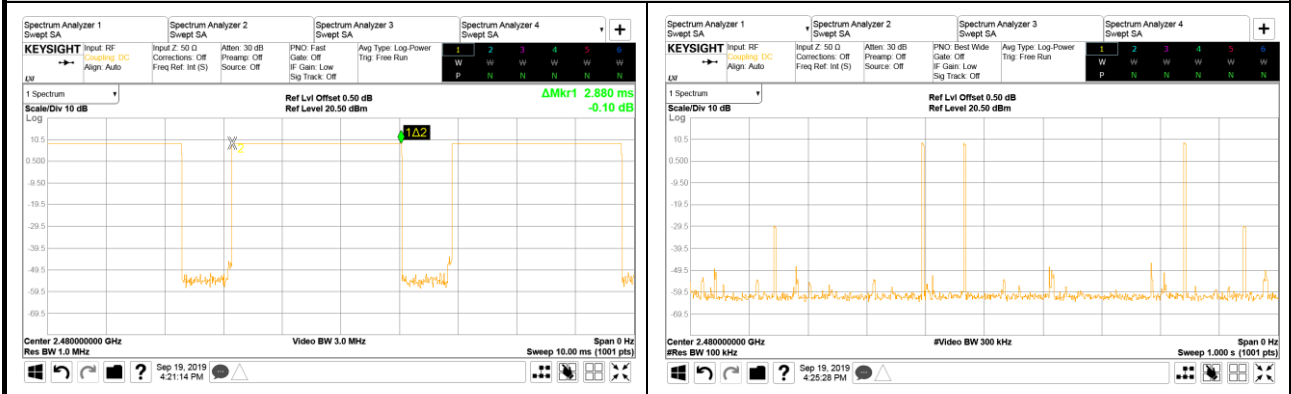
DH1



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	0.390	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)

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 transmission * **31.6** seconds * **0.390** ms = **123.240** ms (<400ms)

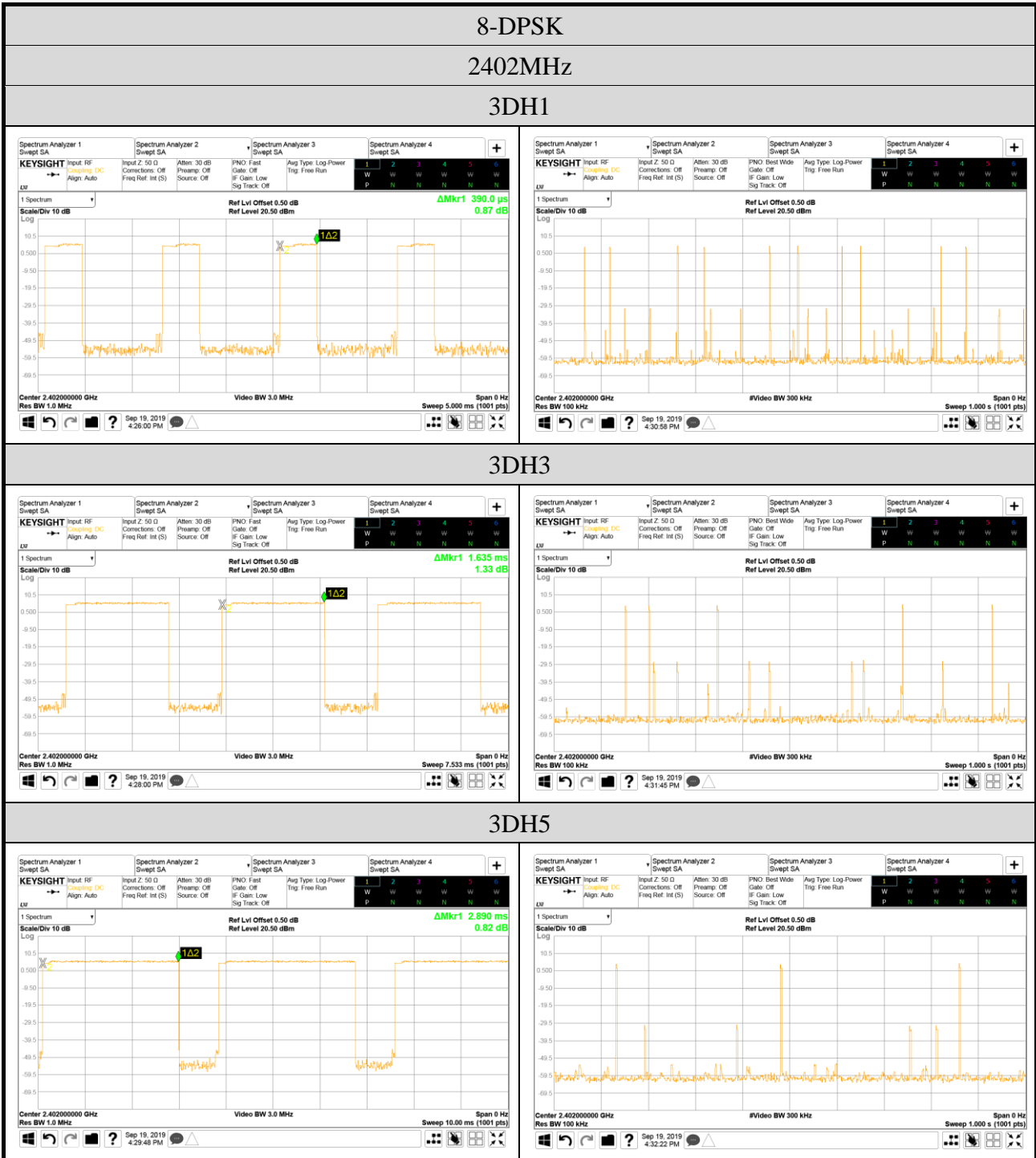
3DH3 Mode

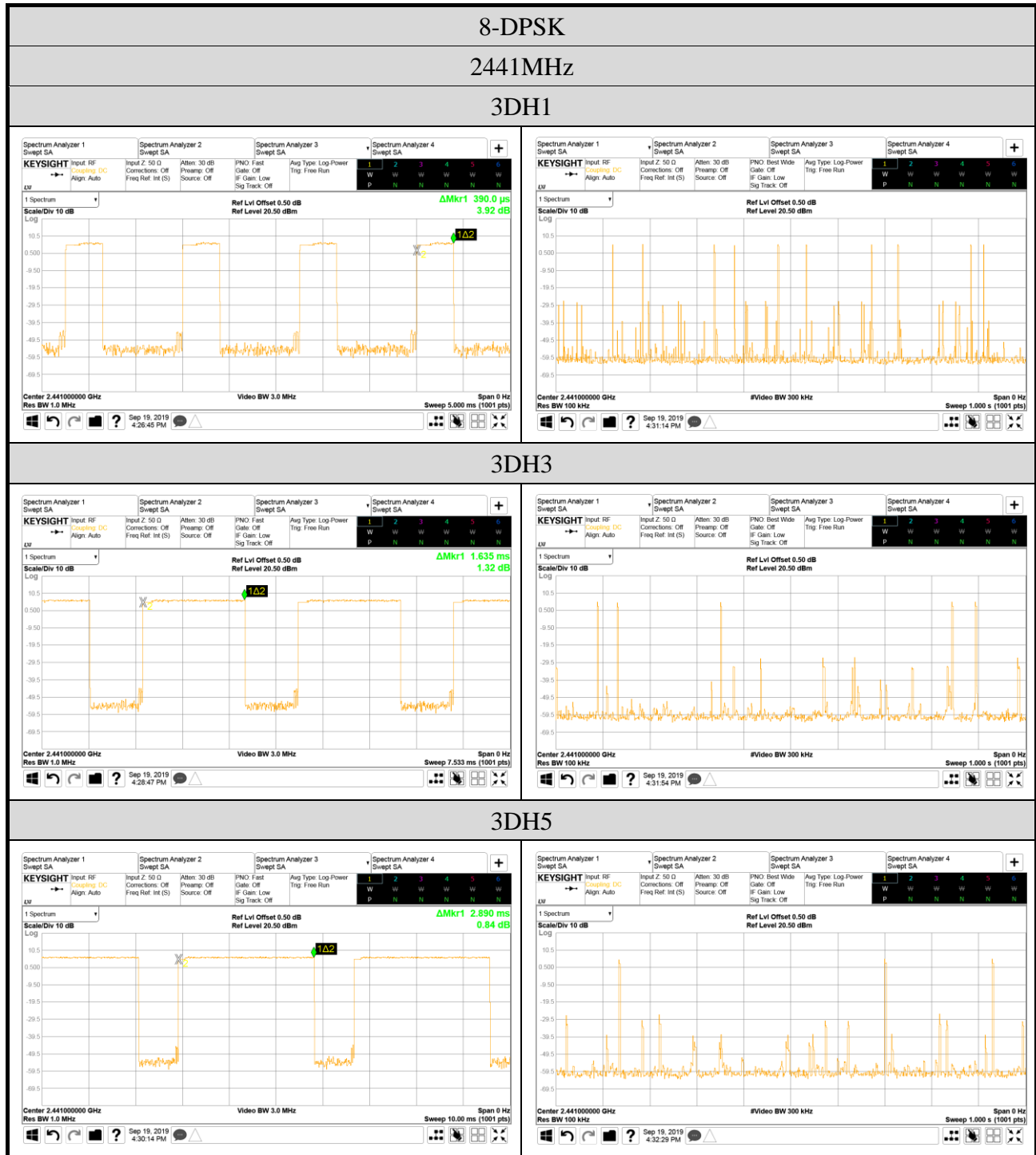
For each second of **5** transmission appearance, the longest time of occupancy is
5 transmission * **31.6** seconds * **1.635** ms = **258.330** ms (<400ms)

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)

● Measurement Plots

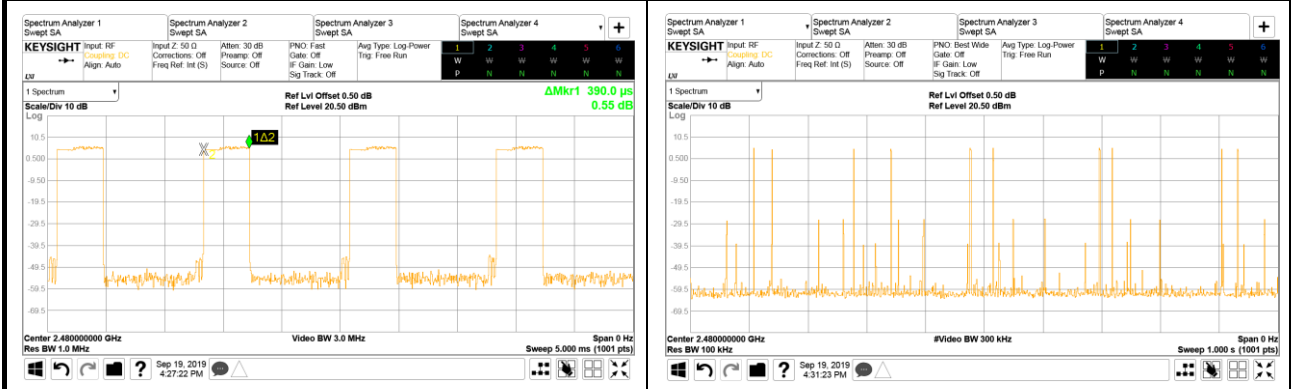




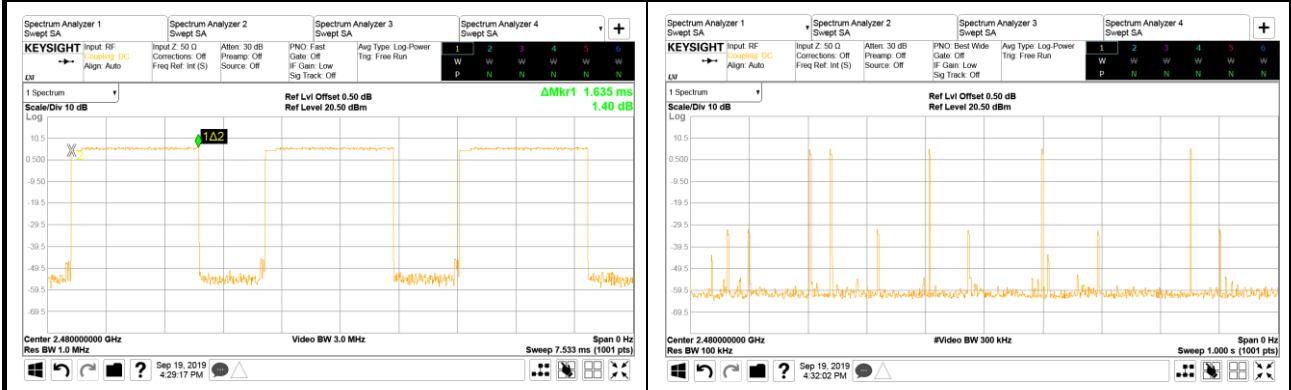
8-DPSK

2480MHz

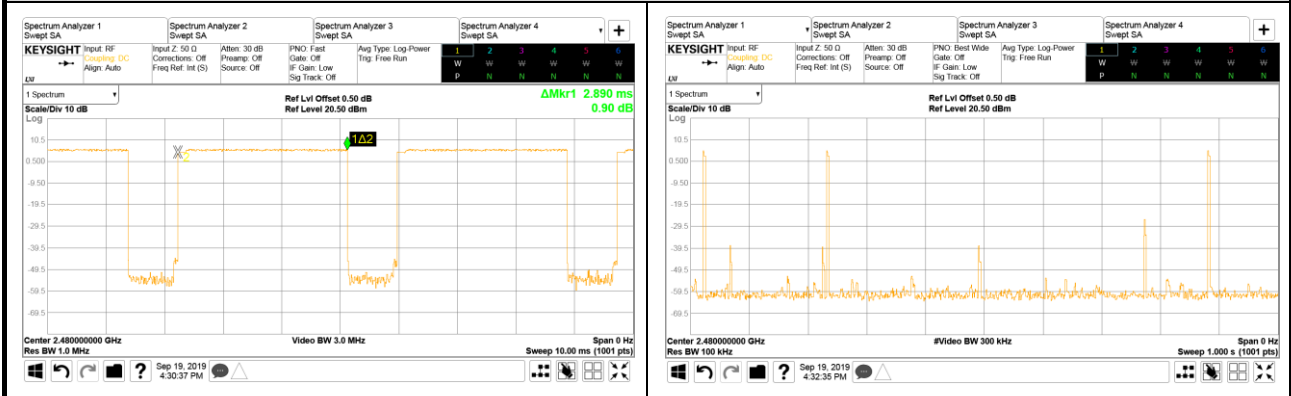
3DH1



3DH3

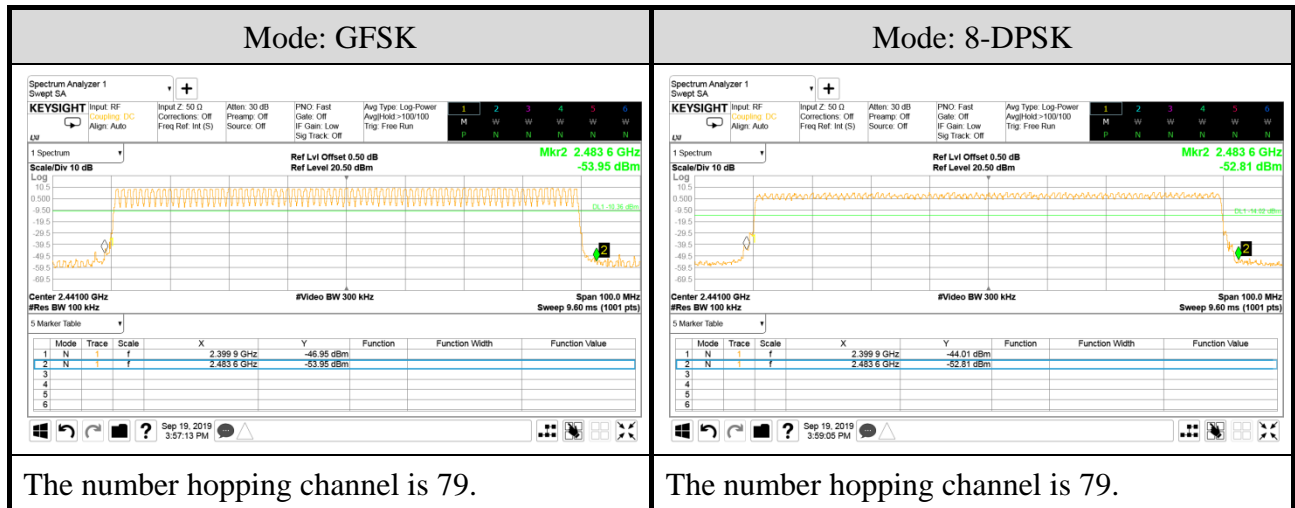


3DH5



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, 2020/10/30	Temp./Hum.	25°C/51%, 23°C/51%
Cable Loss	0.50dB	Tested By	Sean Wang/Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

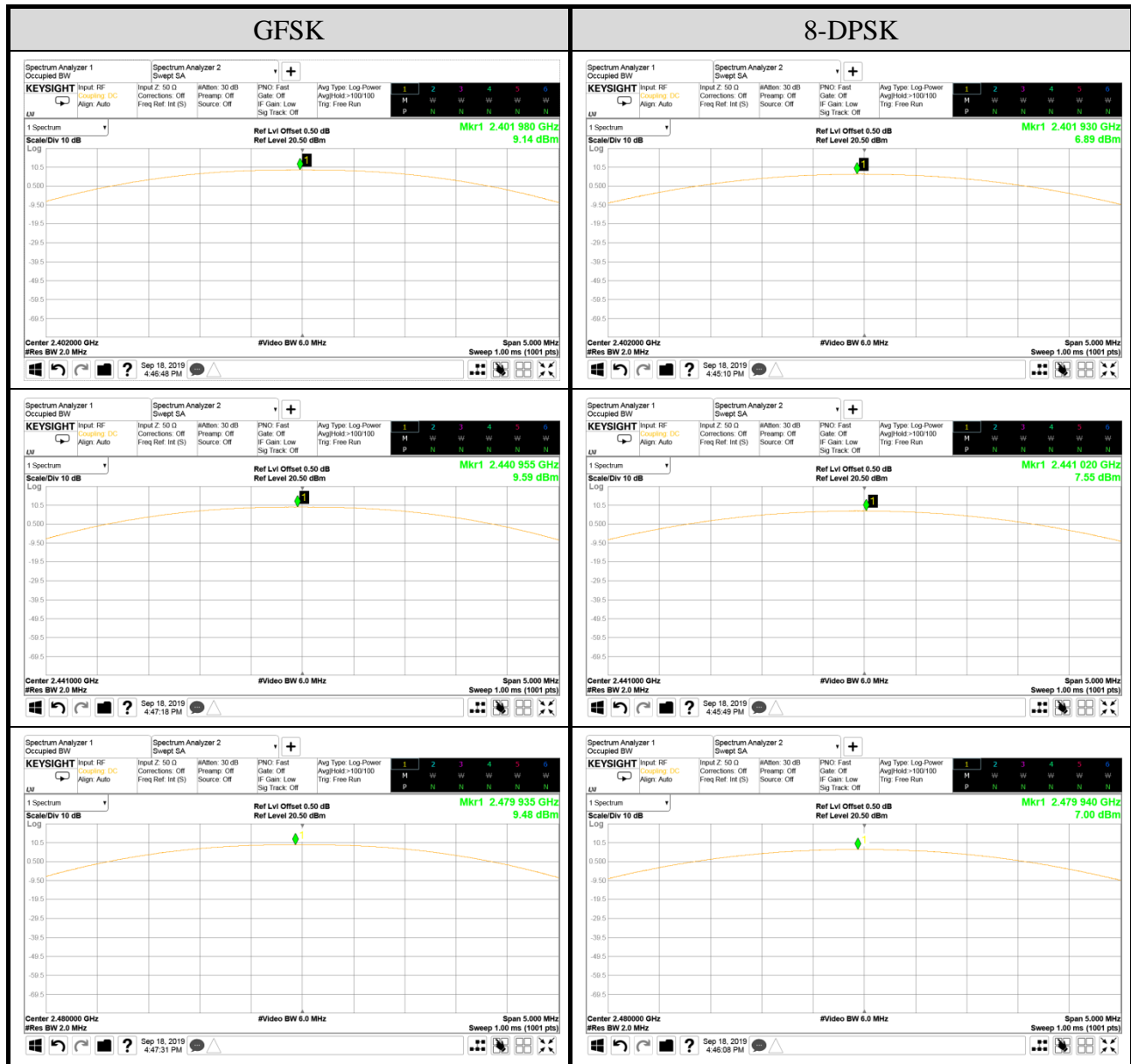
A.7.1 Maximum Peak Output Power

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	8.81	0.008	21dBm (0.125W)
	2441	9.42	0.009	
	2480	9.75	0.009	
8-DPSK	2402	6.74	0.005	
	2441	7.24	0.005	
	2480	7.62	0.006	

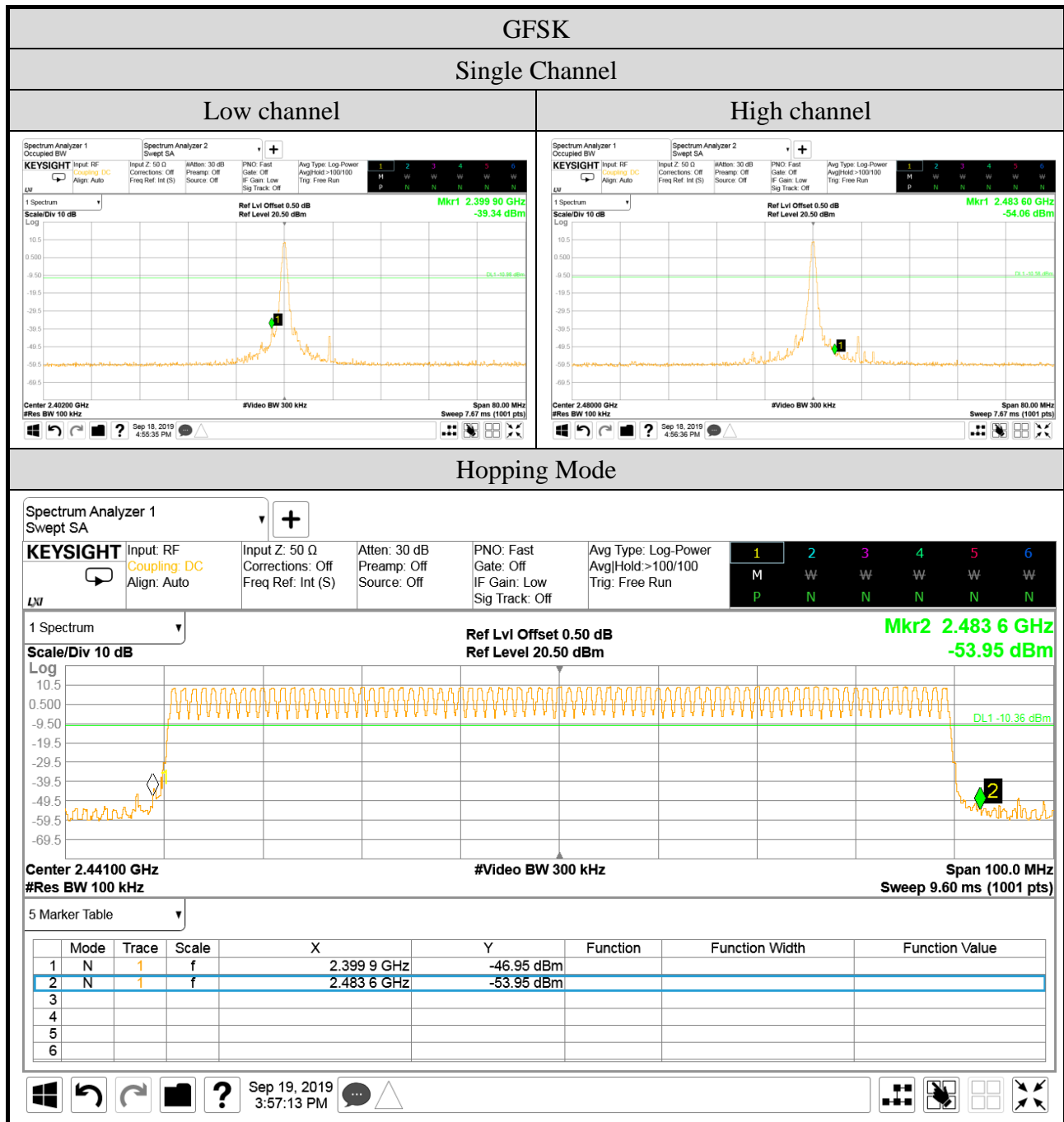
A.7.2 Measurement Plots

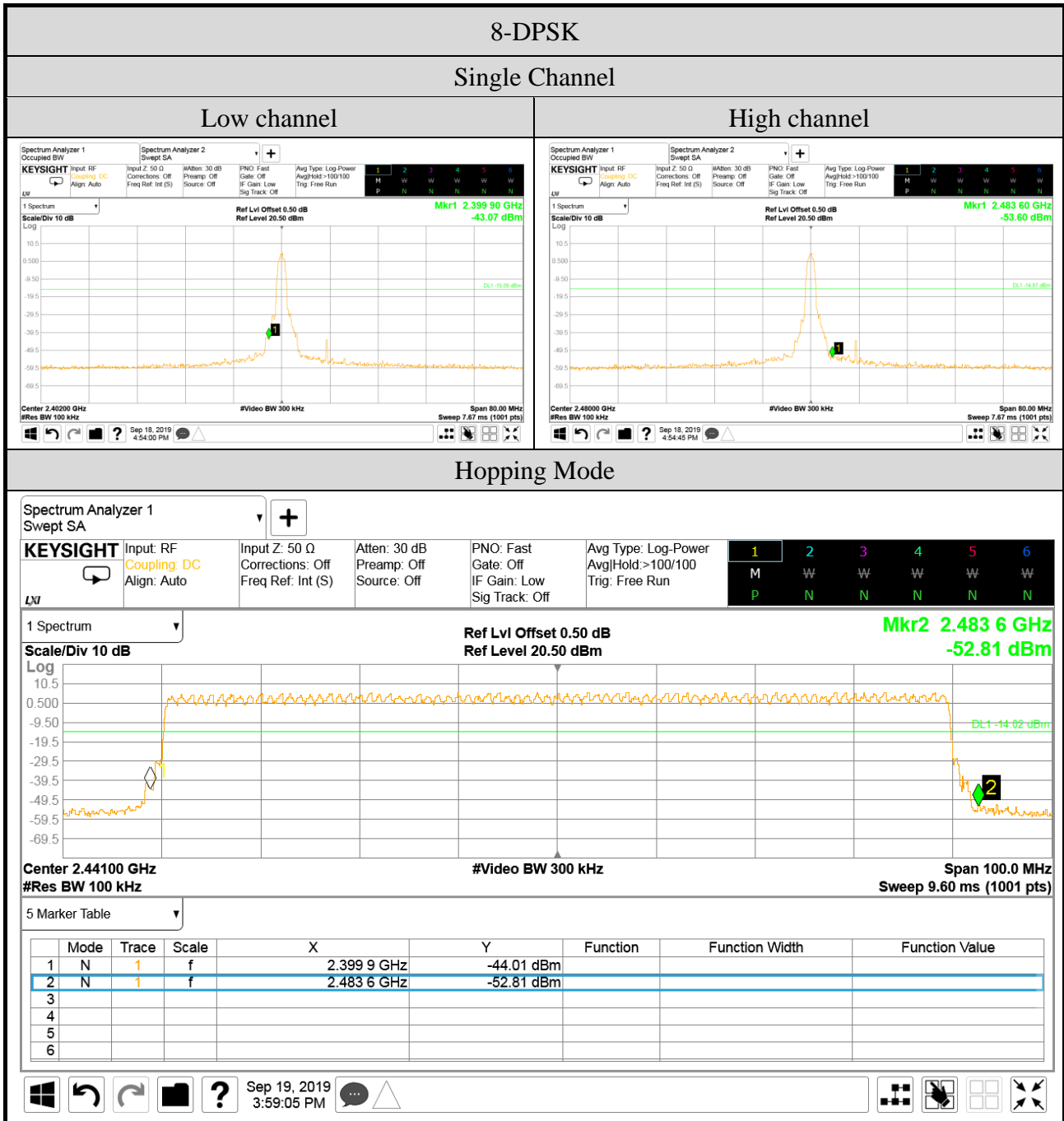


A.8 EMISSION LIMITATIONS MEASUREMENT

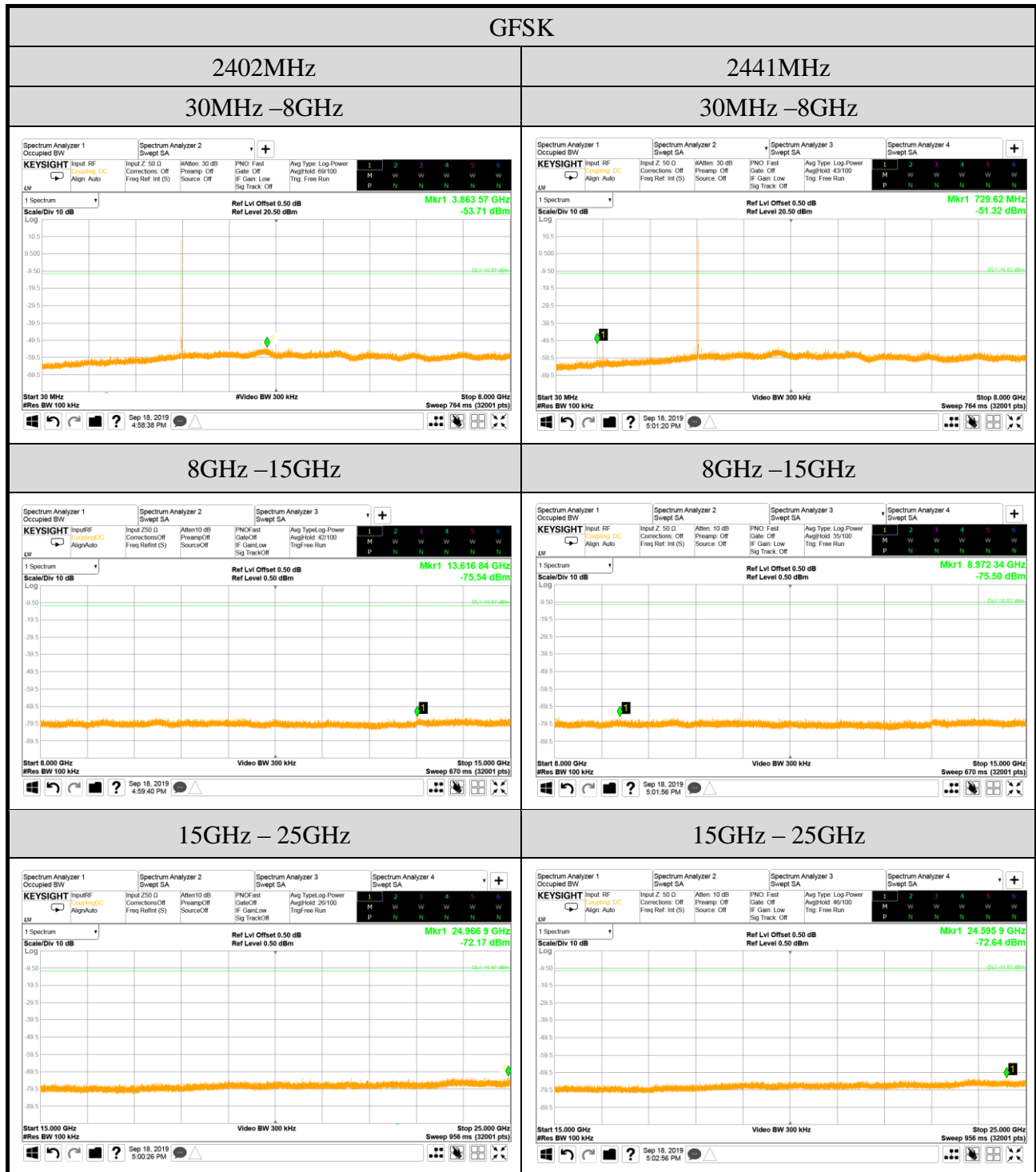
Test Date	2019/09/18 ~ 19	Temp./Hum.	25°C/51 ~ 54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge

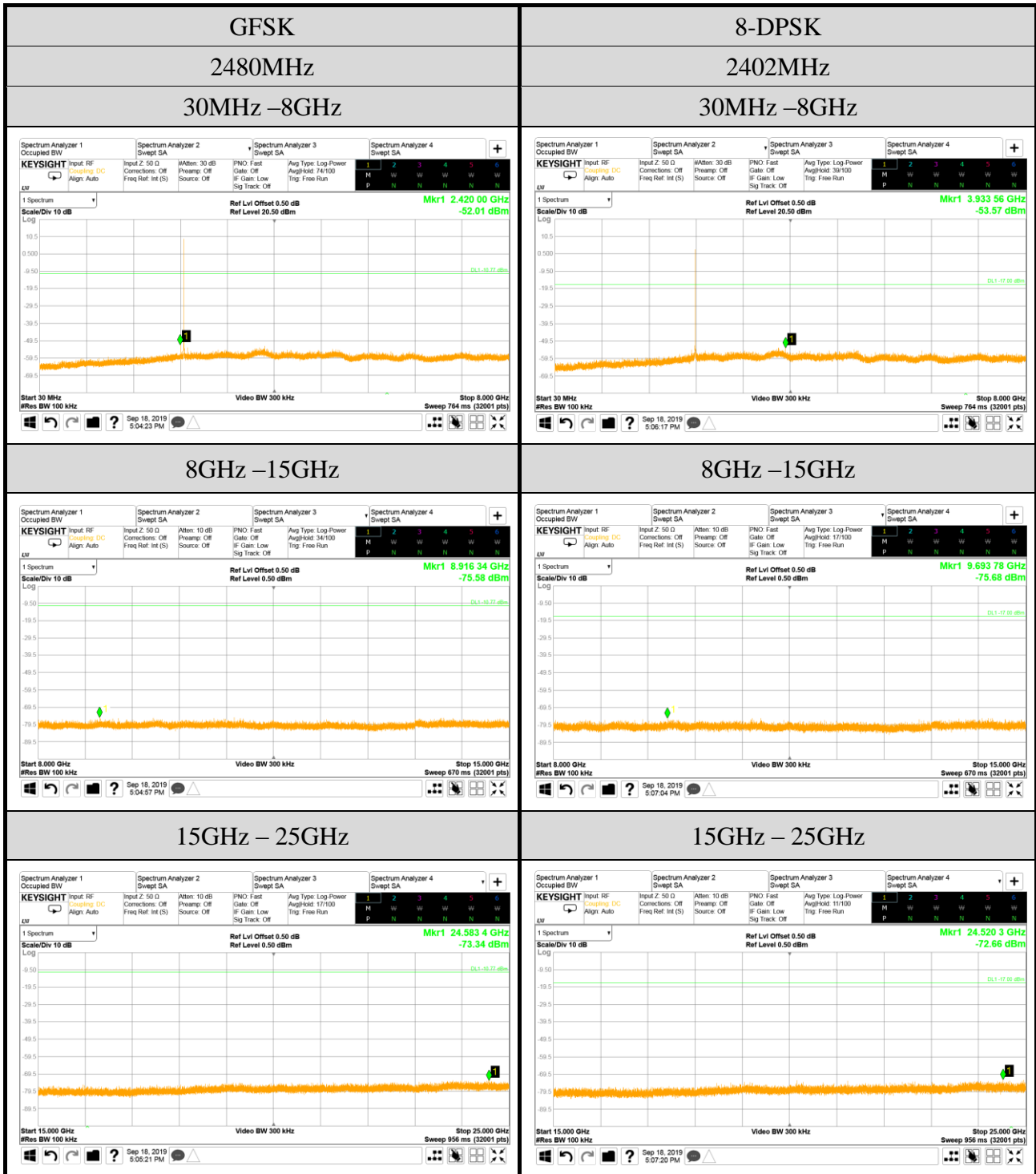




A.8.2 Spurious Emission



Note: All results have been included cable loss.



Note: All results have been included cable loss.