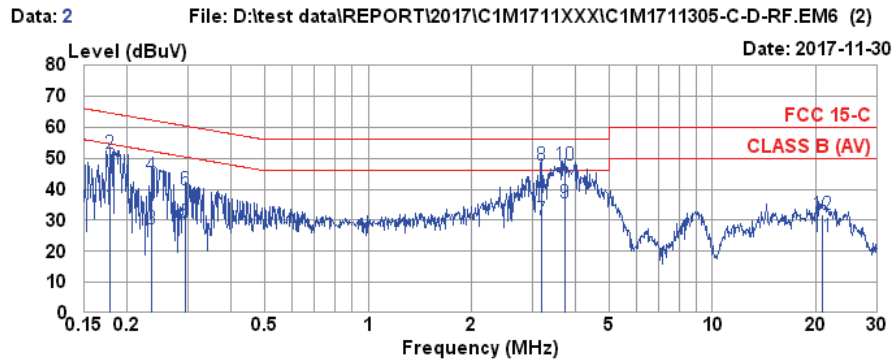


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## A.1 CONDUCTED EMISSION

Test Date	2017/11/30	Temp./Hum.	24°C/57%
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

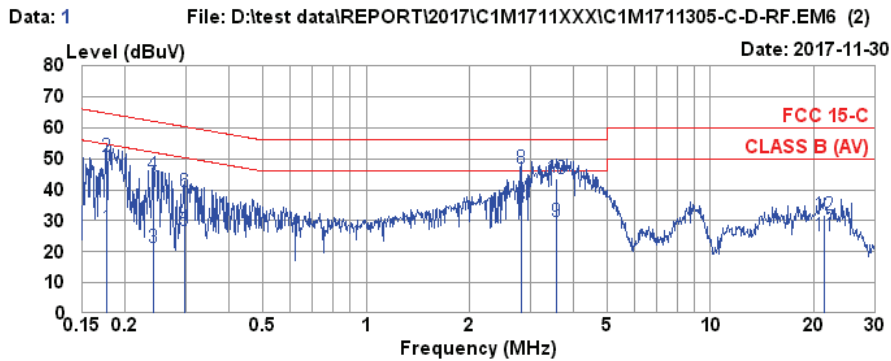


Site no. : No.7 Shielded Room Data no. : 2  
 Condition : ESH2-Z5 366(ADAPTER) Phase : NEUTRAL  
 Limit : FCC 15-C  
 Env. / Ins. : 24°C / 57% ESCI(1276) Engineer : Nick Du  
 EUT : 15Z980  
 Power Rating : 120Vac/60Hz  
 Test Mode : Operaing

	AMN	Cable	Pulse	Emission		Limits	Margin	Remark	
Freq. (MHz)	Factor (dB)	Loss (dB)	Att. (dB)	Reading (dBμV)	Level (dBμV)	(dBμV)	(dB)		
1	0.179	0.18	0.04	9.86	24.28	34.36	54.55	20.19	Average
2	0.179	0.18	0.04	9.86	41.31	51.39	64.55	13.16	QP
3	0.235	0.17	0.04	9.86	17.19	27.26	52.26	25.00	Average
4	0.235	0.17	0.04	9.86	34.41	44.48	62.26	17.78	QP
5	0.296	0.18	0.04	9.86	19.37	29.45	50.37	20.92	Average
6	0.296	0.18	0.04	9.86	29.68	39.76	60.37	20.61	QP
7	3.190	0.30	0.15	9.87	19.96	30.28	46.00	15.72	Average
8	3.190	0.30	0.15	9.87	37.26	47.58	56.00	8.42	QP
9	3.720	0.31	0.16	9.87	25.28	35.62	46.00	10.38	Average
10	3.720	0.31	0.16	9.87	37.32	47.66	56.00	8.34	QP
11	20.814	0.98	0.30	9.95	13.58	24.81	50.00	25.19	Average
12	20.814	0.98	0.30	9.95	20.48	31.71	60.00	28.29	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	2017/11/30	Temp./Hum.	24°C/57%
Test Voltage	AC 120V, 60Hz (via AC Adapter)		



Site no. : No.7 Shielded Room Data no. : 1  
 Condition : ESH2-Z5 366(ADAPTER) Phase : LINE  
 Limit : FCC 15-C  
 Env. / Ins. : 24°C / 57% ESCI(1276) Engineer : Nick Du  
 EUT : 15Z980  
 Power Rating : 120Vac/60Hz  
 Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.176	0.17	0.04	9.86	17.60	27.67	54.68	27.01	Average
2	0.176	0.17	0.04	9.86	40.66	50.73	64.68	13.95	QP
3	0.242	0.17	0.04	9.86	11.47	21.54	52.04	30.50	Average
4	0.242	0.17	0.04	9.86	34.74	44.81	62.04	17.23	QP
5	0.297	0.17	0.04	9.86	16.81	26.88	50.32	23.44	Average
6	0.297	0.17	0.04	9.86	29.34	39.41	60.32	20.91	QP
7	2.824	0.29	0.14	9.87	21.55	31.85	46.00	14.15	Average
8	2.824	0.29	0.14	9.87	36.68	46.98	56.00	9.02	QP
9	3.584	0.32	0.16	9.87	19.48	29.83	46.00	16.17	Average
10	3.584	0.32	0.16	9.87	33.29	43.64	56.00	12.36	QP
11	21.373	1.15	0.31	9.95	13.88	25.29	50.00	24.71	Average
12	21.373	1.15	0.31	9.95	20.38	31.79	60.00	28.21	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	2017/11/30	Temp./Hum.	24°C/51%
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

### 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 1 GHz

Mode	GFSK	Frequency	TX 2441MHz
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### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
139.61	17.82	2.72	22.40	42.94	43.50	0.56	Peak
216.24	16.92	3.50	19.92	40.34	46.00	5.66	Peak
303.54	19.58	4.36	17.60	41.54	46.00	4.46	Peak
349.13	20.84	4.97	15.51	41.32	46.00	4.68	Peak
504.33	23.23	6.44	11.90	41.57	46.00	4.43	Peak
800.18	25.91	7.60	9.16	42.67	46.00	3.33	Peak

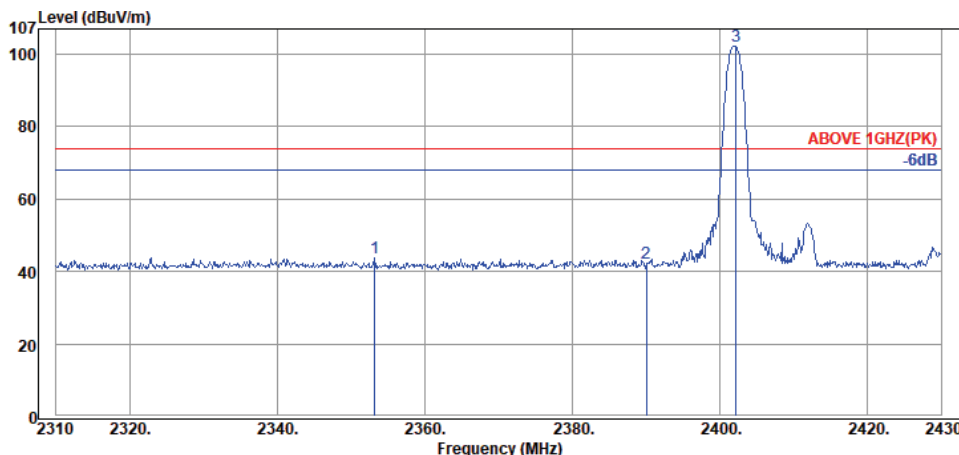
### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
54.25	13.77	1.64	21.42	36.83	40.00	3.17	Peak
279.29	19.36	4.11	20.69	44.16	46.00	1.84	Peak
359.80	21.09	5.09	17.33	43.51	46.00	2.49	Peak
418.97	22.29	5.74	14.74	42.77	46.00	3.23	Peak
488.81	23.04	6.34	15.02	44.40	46.00	1.60	Peak
769.14	25.61	7.45	8.33	41.39	46.00	4.61	Peak

A.2.1.3 Frequency Above 1 GHz to 10<sup>th</sup> harmonics

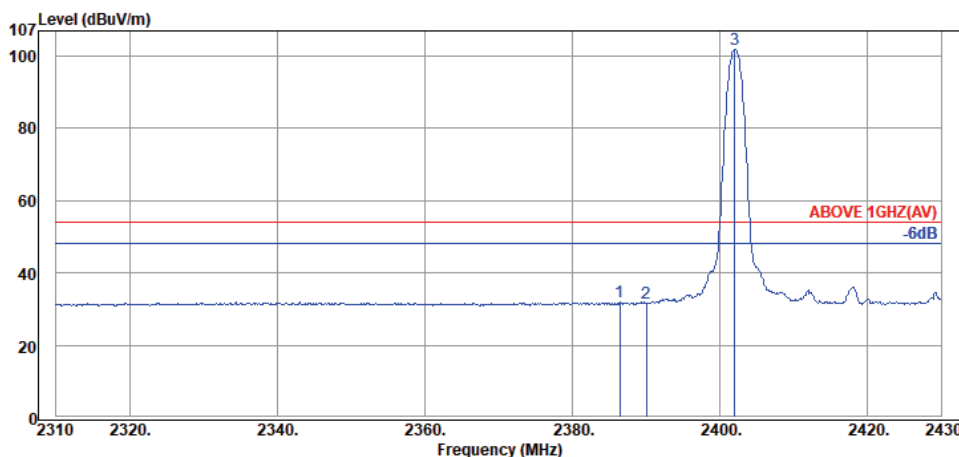
**Band Edge:**

Mode	GFSK	Frequency	TX 2402MHz
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**Antenna at Horizontal Polarization**

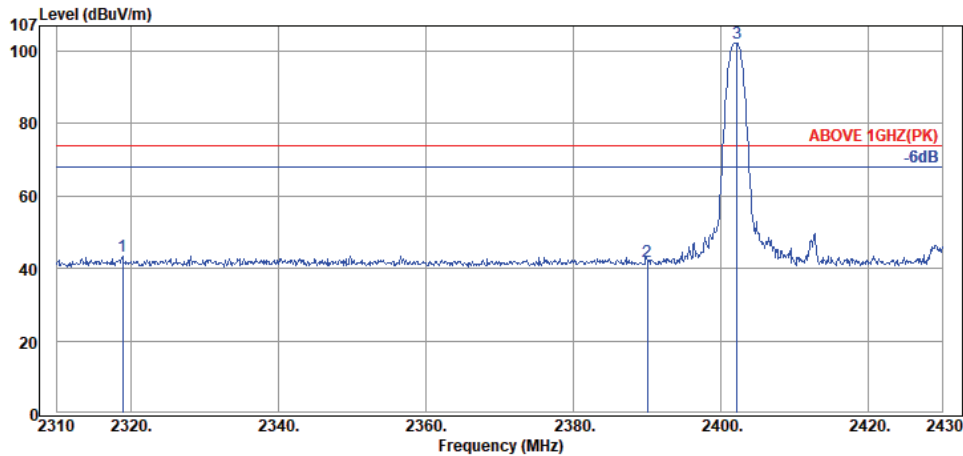
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2353.20	32.11	6.53	5.25	43.89	74.00	30.11	Peak
2390.04	32.16	6.57	3.38	42.11	74.00	31.89	Peak
2402.16	32.16	6.57	63.36	102.09	---	---	Peak



**Antenna at Horizontal Polarization**

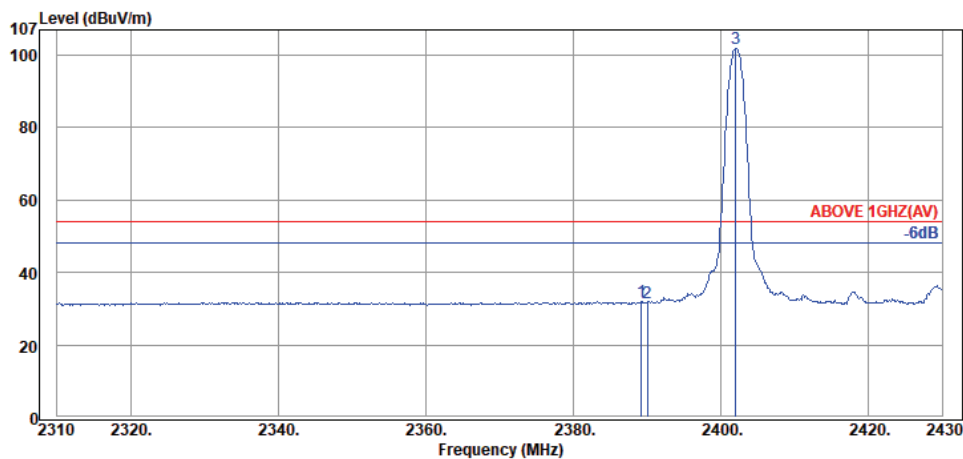
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.44	32.16	6.57	-6.83	31.90	54.00	22.10	Average
2390.04	32.16	6.57	-7.09	31.64	54.00	22.36	Average
2402.04	32.16	6.57	63.24	101.97	---	---	Average

Mode	GFSK	Frequency	TX 2402MHz
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**Antenna at Vertical Polarization**

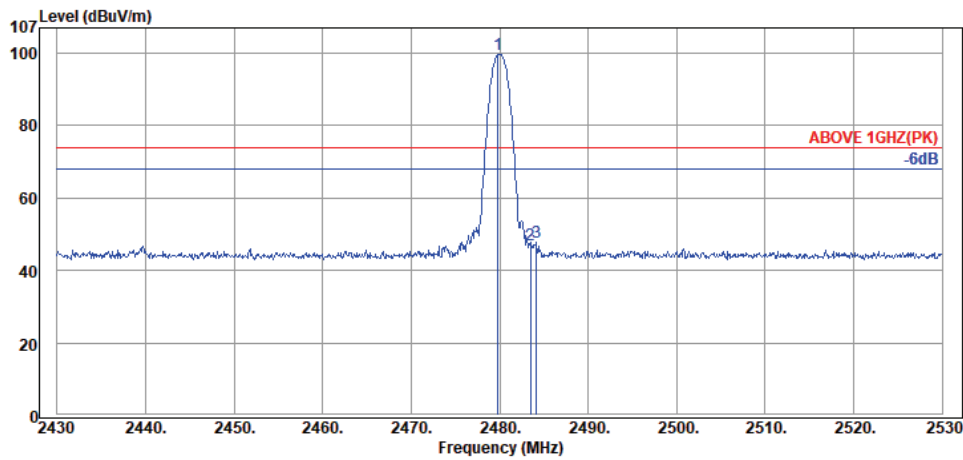
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2318.88	32.06	6.49	4.71	43.26	74.00	30.74	Peak
2390.04	32.16	6.57	3.17	41.90	74.00	32.10	Peak
2402.16	32.16	6.57	63.38	102.11	---	---	Peak



**Antenna at Vertical Polarization**

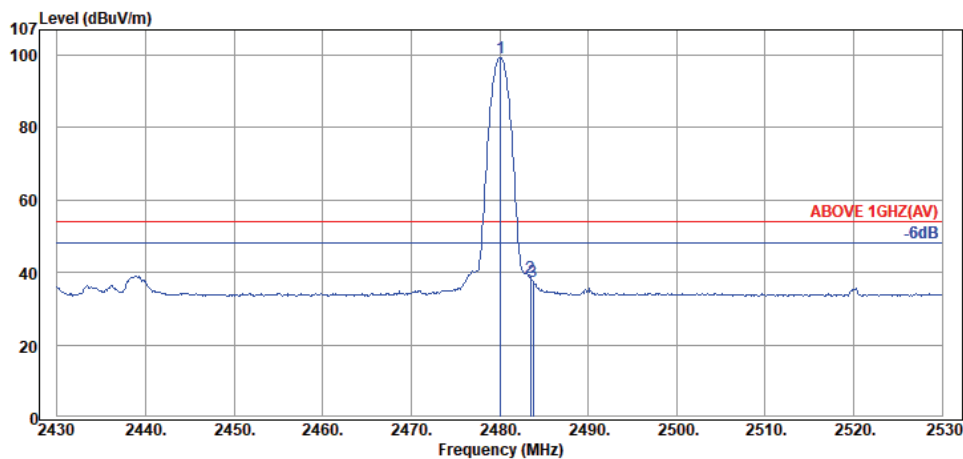
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.20	32.16	6.57	-6.83	31.90	54.00	22.10	Average
2390.04	32.16	6.57	-7.15	31.58	54.00	22.42	Average
2402.04	32.16	6.57	63.18	101.91	---	---	Average

Mode	GFSK	Frequency	TX 2480MHz
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**Antenna at Horizontal Polarization**

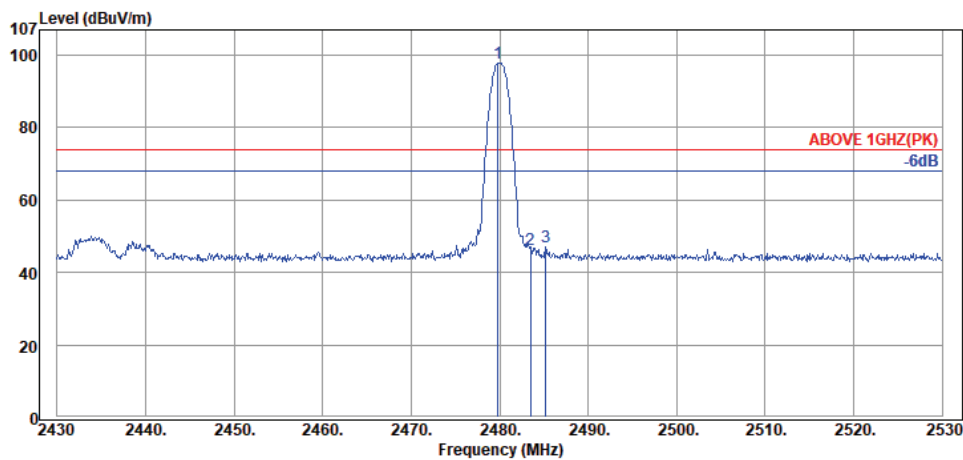
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2479.80	32.28	6.67	60.62	99.57	---	---	Peak
2483.50	32.28	6.67	8.08	47.03	74.00	26.97	Peak
2484.20	32.28	6.67	8.88	47.83	74.00	26.17	Peak



**Antenna at Horizontal Polarization**

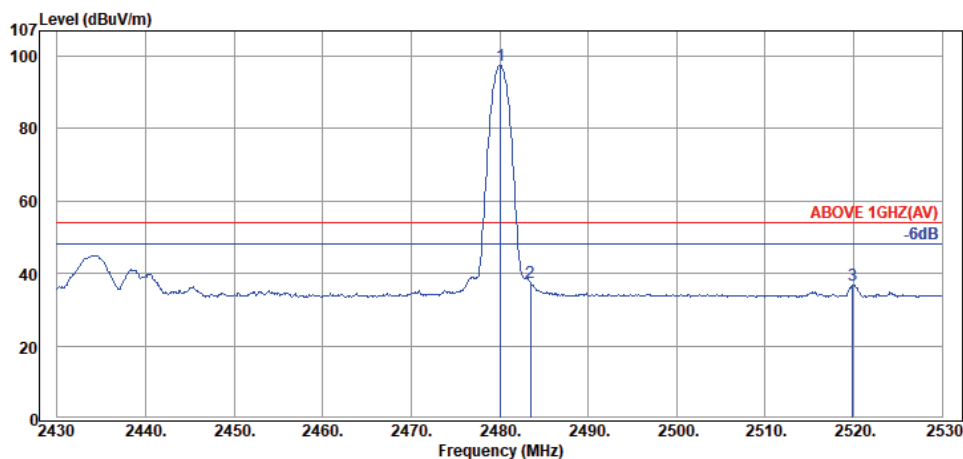
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.10	32.28	6.67	60.42	99.37	---	---	Average
2483.50	32.28	6.67	-0.40	38.55	54.00	15.45	Average
2483.80	32.28	6.67	-1.61	37.34	54.00	16.66	Average

Mode	GFSK	Frequency	TX 2480MHz
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**Antenna at Vertical Polarization**

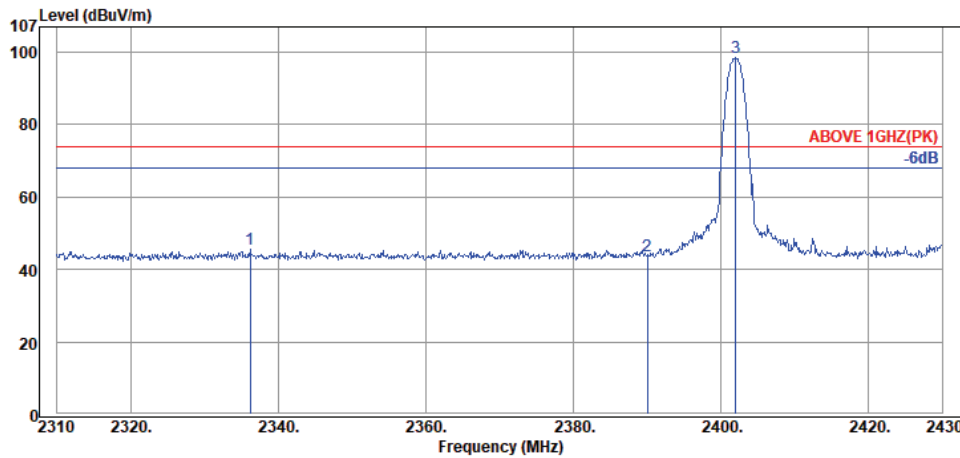
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2479.80	32.28	6.67	58.77	97.72	---	---	Peak
2483.50	32.28	6.67	7.45	46.40	74.00	27.60	Peak
2485.20	32.28	6.67	8.01	46.96	74.00	27.04	Peak



**Antenna at Vertical Polarization**

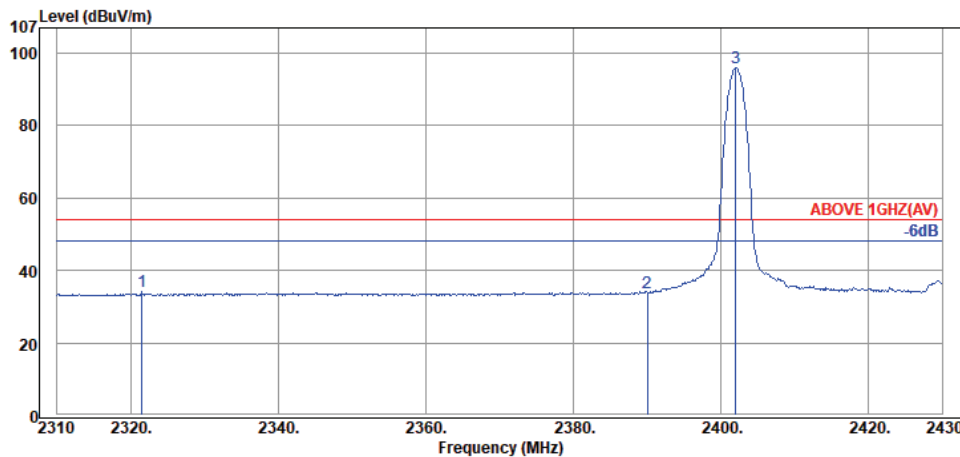
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.10	32.28	6.67	58.58	97.53	---	---	Average
2483.50	32.28	6.67	-1.50	37.45	54.00	16.55	Average
2519.90	32.32	6.72	-2.15	36.89	54.00	17.11	Average

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

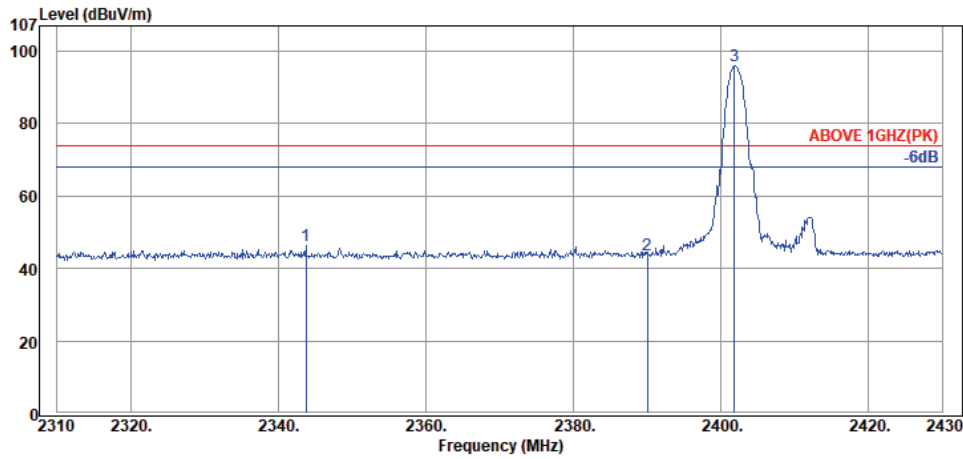
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2336.16	32.08	6.51	6.96	45.55	74.00	28.45	Peak
2390.04	32.16	6.57	5.18	43.91	74.00	30.09	Peak
2402.04	32.16	6.57	59.72	98.45	---	---	Peak



**Antenna at Horizontal Polarization**

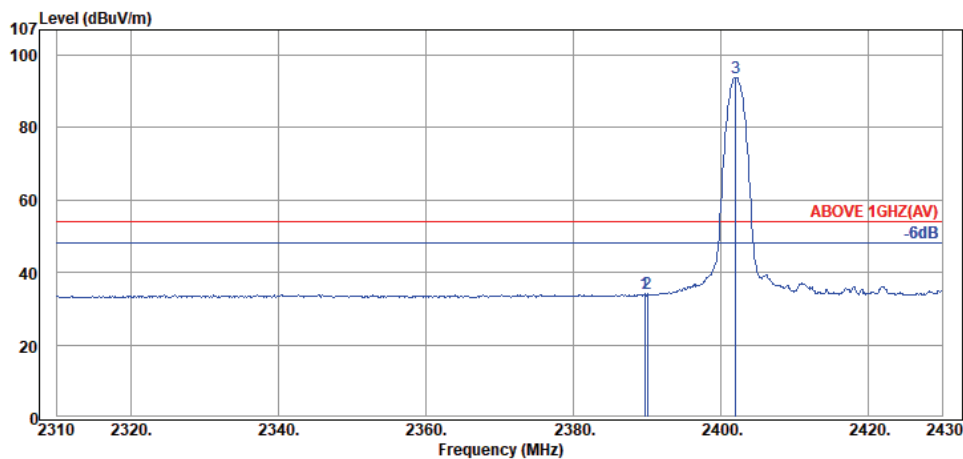
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2321.52	32.06	6.49	-4.46	34.09	54.00	19.91	Average
2390.04	32.16	6.57	-4.80	33.93	54.00	20.07	Average
2402.04	32.16	6.57	57.23	95.96	---	---	Average

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

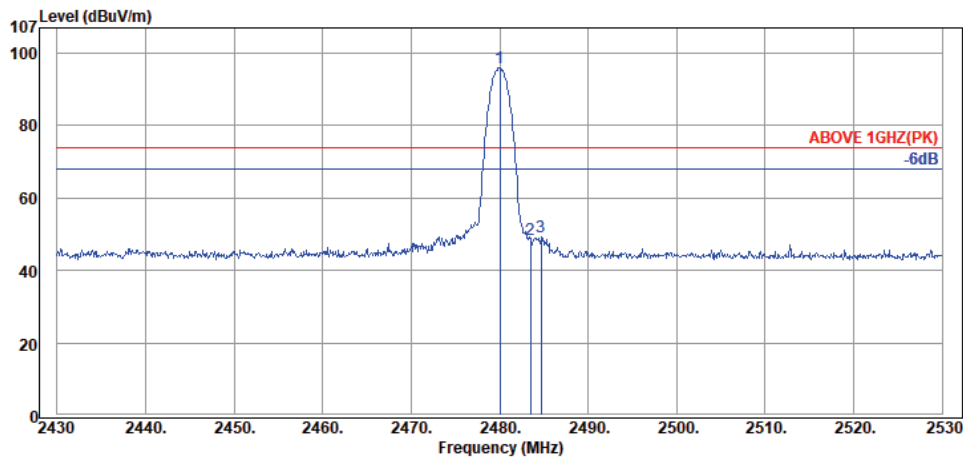
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2343.72	32.08	6.51	7.62	46.21	74.00	27.79	Peak
2390.04	32.16	6.57	5.14	43.87	74.00	30.13	Peak
2401.80	32.16	6.57	57.38	96.11	---	---	Peak



**Antenna at Vertical Polarization**

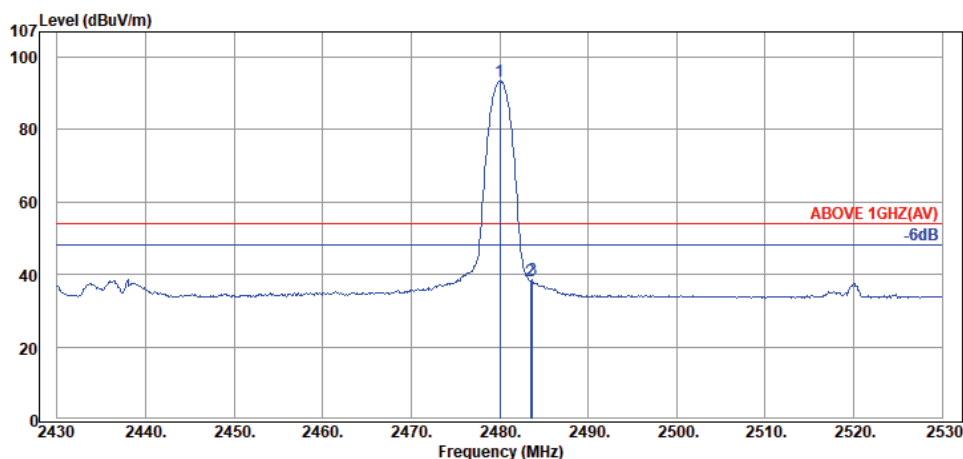
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.68	32.16	6.57	-4.59	34.14	54.00	19.86	Average
2390.04	32.16	6.57	-4.67	34.06	54.00	19.94	Average
2402.04	32.16	6.57	55.13	93.86	---	---	Average

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

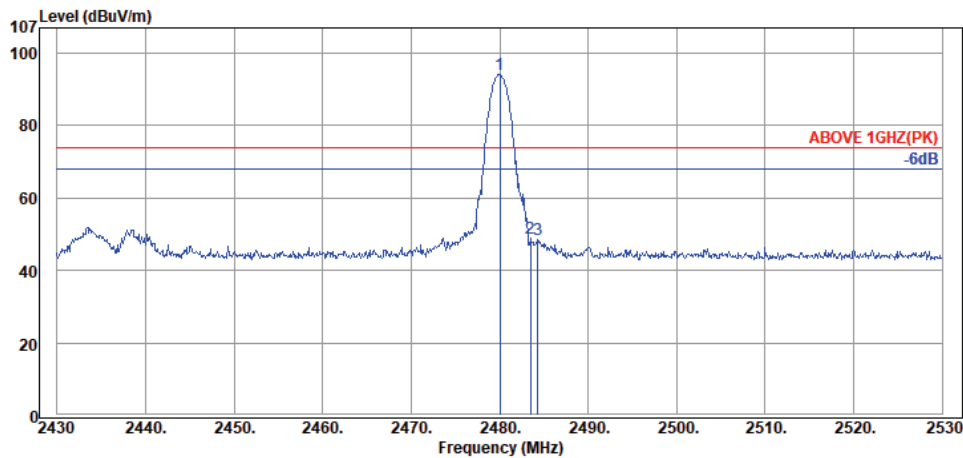
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.00	32.28	6.67	56.89	95.84	---	---	Peak
2483.50	32.28	6.67	9.54	48.49	74.00	25.51	Peak
2484.70	32.28	6.67	10.32	49.27	74.00	24.73	Peak



**Antenna at Horizontal Polarization**

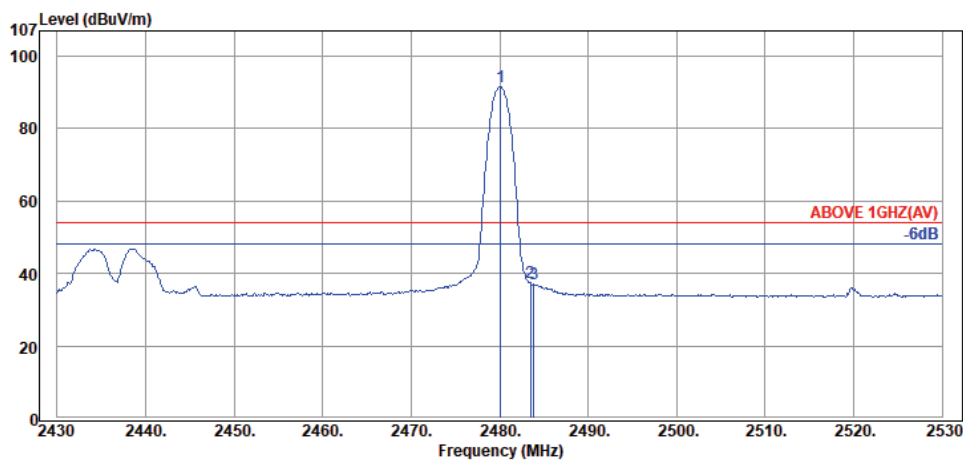
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.00	32.28	6.67	54.48	93.43	---	---	Average
2483.50	32.28	6.67	-0.83	38.12	54.00	15.88	Average
2483.70	32.28	6.67	-0.44	38.51	54.00	15.49	Average

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.00	32.28	6.67	55.19	94.14	---	---	Peak
2483.50	32.28	6.67	10.10	49.05	74.00	24.95	Peak
2484.30	32.28	6.67	9.55	48.50	74.00	25.50	Peak



**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2480.10	32.28	6.67	52.77	91.72	---	---	Average
2483.50	32.28	6.67	-1.48	37.47	54.00	16.53	Average
2483.90	32.28	6.67	-1.97	36.98	54.00	17.02	Average

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	
<b>Antenna at Horizontal Polarization</b>							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	34.22	9.54	-0.80	42.96	54.00	11.04	Peak

<b>Antenna at Vertical Polarization</b>							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	34.22	9.54	-2.19	41.57	54.00	12.43	Average

Mode		GFSK		Frequency		TX 2441MHz	
<b>Antenna at Horizontal Polarization</b>							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	34.25	9.56	-2.19	41.62	54.00	12.38	Peak

<b>Antenna at Vertical Polarization</b>							
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	34.25	9.56	-2.13	41.68	54.00	12.32	Average

Mode	GFSK	Frequency	TX 2480MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
4960.00	34.29	9.60	-2.64	41.25	54.00	12.75	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
4960.00	34.29	9.60	-2.53	41.36	54.00	12.64	Average

A.2.3 Emissions in Non-restricted Frequency Bands:

All emission levels below the 15.209 general radiated emissions limits is not required.

## A.3 20dB BANDWIDTH

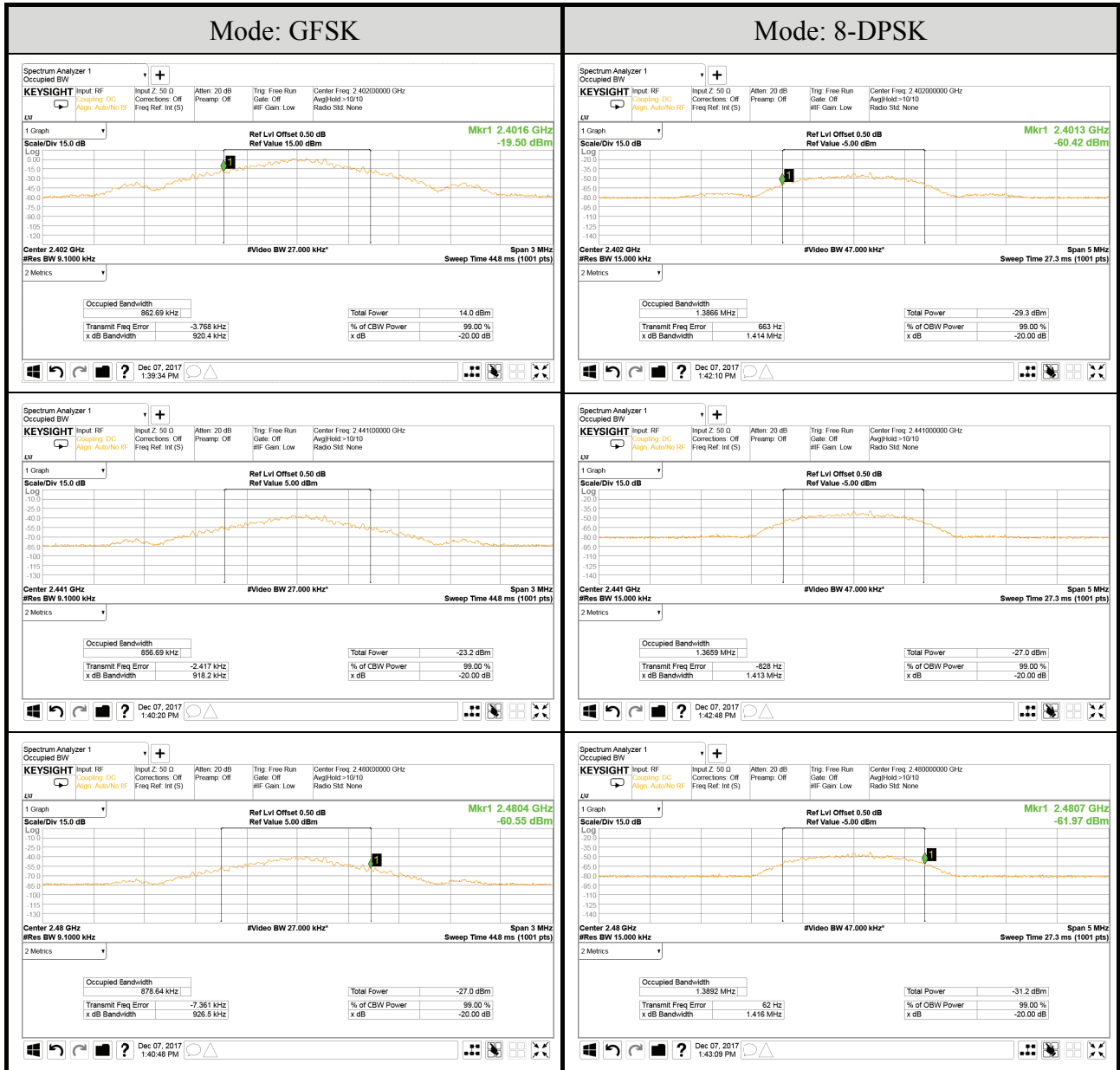
Test Date	2017/12/07	Temp./Hum.	22°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

### A.3.1 6dB Bandwidth Result

Mode	Centre Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz) (Reference only)	2/3 (20dB Bandwidth)
GFSK	2402	0.9204	0.86269	0.614
	2441	0.9182	0.85669	0.612
	2480	0.9265	0.87864	0.618
8-DPSK	2402	1.414	1.3866	0.943
	2441	1.413	1.3659	0.942
	2480	1.416	1.3892	0.944

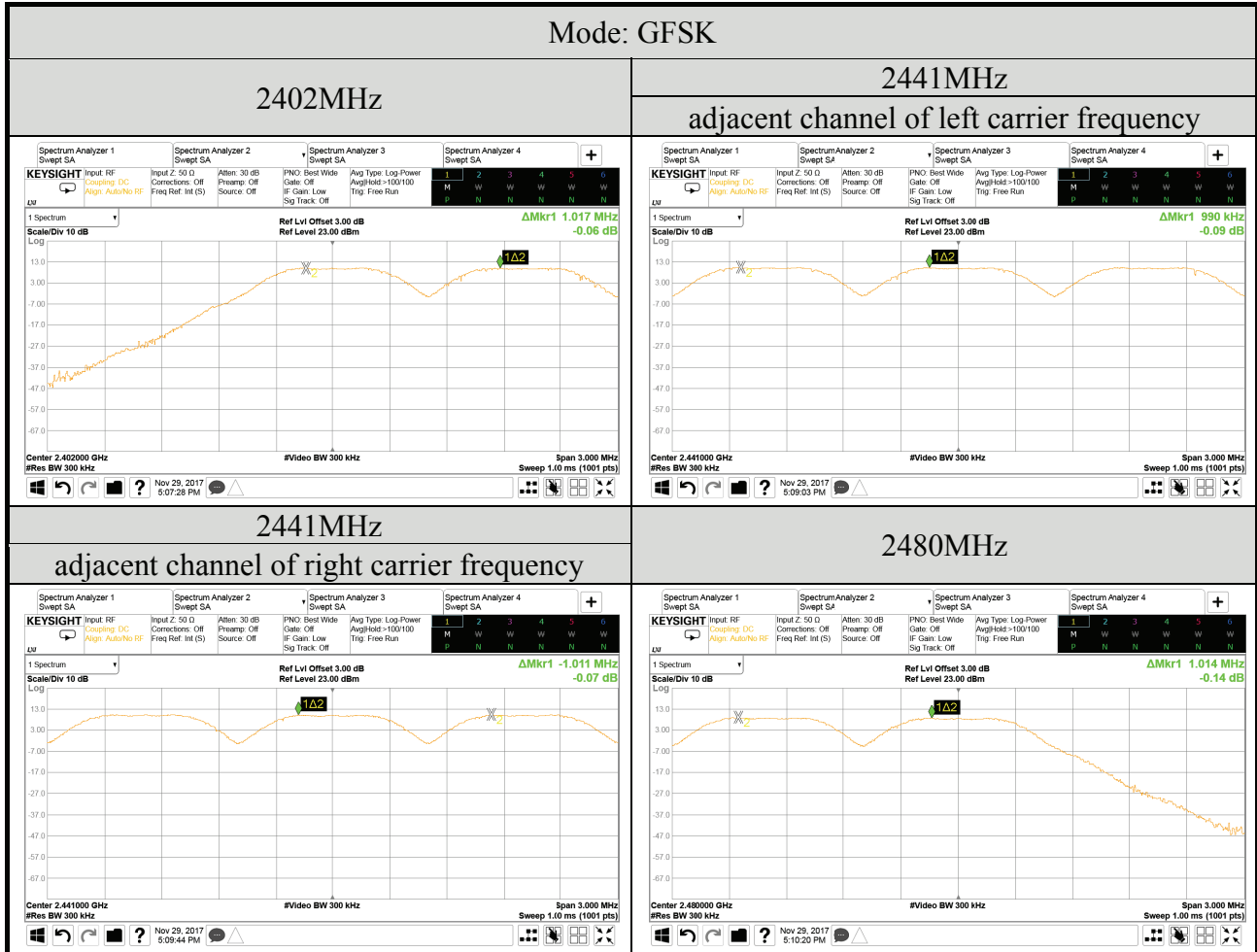
Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

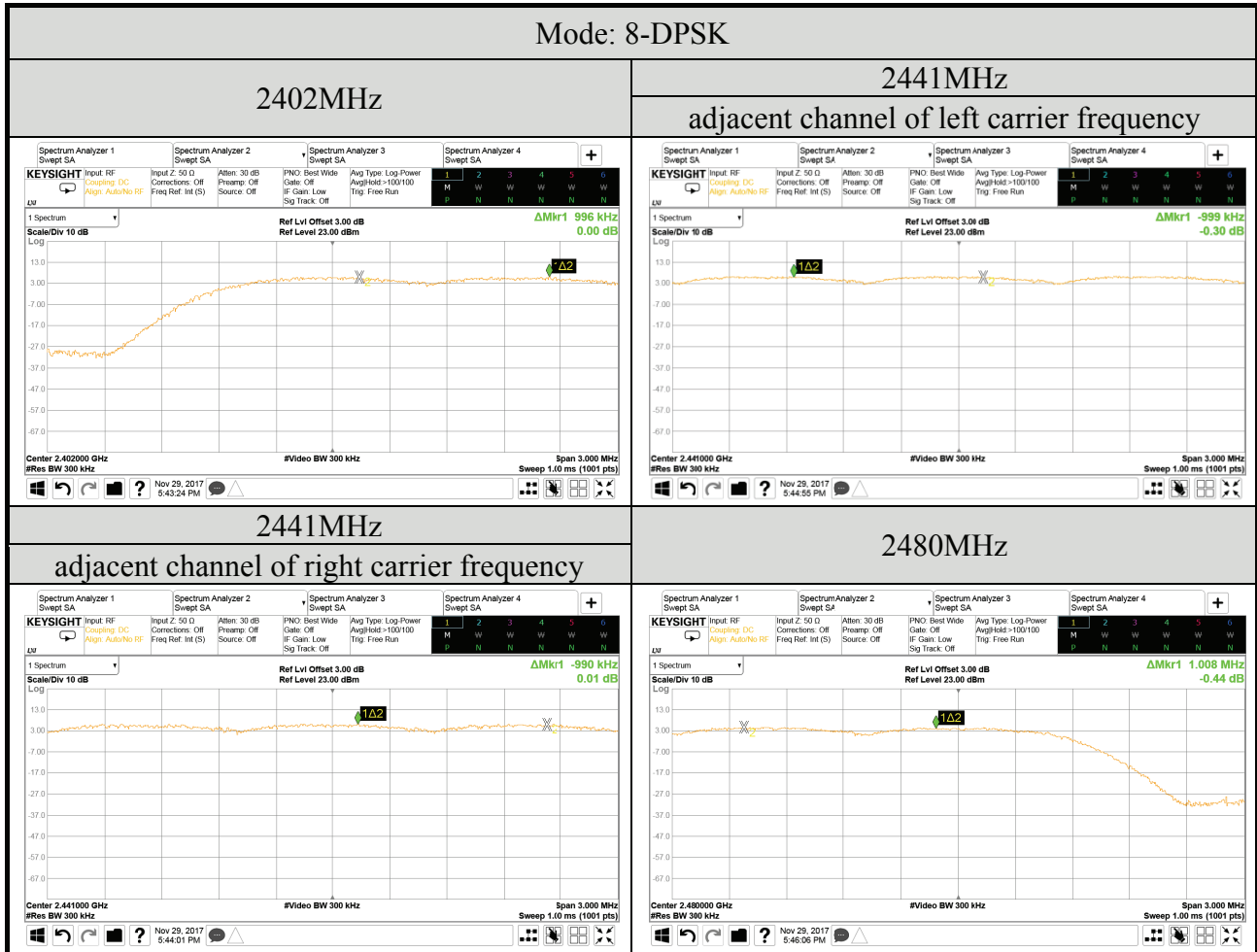
A.3.2 Measurement Plots



## A.4 CARRIER FREQUENCY SEPARATION

Test Date	2017/11/29	Temp./Hum.	23°C/58%
Cable Loss	3.0dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)





## A.5 TIME OF OCCUPANCY

Test Date	2017/11/29	Temp./Hum.	23°C/58%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

### A.5.1 Time of Occupancy

Mode	Centre Frequency (MHz)	Mode	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
GFSK	2402	DH1	0.360	113.760	<400
		DH3	1.620	358.344	
		DH5	2.860	271.128	
	2441	DH1	0.360	113.760	
		DH3	1.620	307.152	
		DH5	2.860	271.128	
	2480	DH1	0.370	116.920	
		DH3	1.620	307.152	
		DH5	2.876	271.645	

Observation Period: 79 channels\*0.4 seconds = 31.6 seconds

**Centre Frequency: 2402MHz**

DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.360 \text{ ms} = 113.760 \text{ ms}$$

DH3: For each second of **7** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$7 \text{ channels} * 31.6 \text{ seconds} * 1.620 \text{ ms} = 358.344 \text{ ms}$$

DH5: For each second of **3** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$3 \text{ channels} * 31.6 \text{ seconds} * 2.860 \text{ ms} = 271.128 \text{ ms}$$

**Centre Frequency: 2441MHz**

DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.360 \text{ ms} = 113.760 \text{ ms}$$

DH3: For each second of **6** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$6 \text{ channels} * 31.6 \text{ seconds} * 1.620 \text{ ms} = 307.152 \text{ ms}$$

DH5: For each second of **3** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$3 \text{ channels} * 31.6 \text{ seconds} * 2.860 \text{ ms} = 271.128 \text{ ms}$$

**Centre Frequency: 2480MHz**

DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.370 \text{ ms} = 116.920 \text{ ms}$$

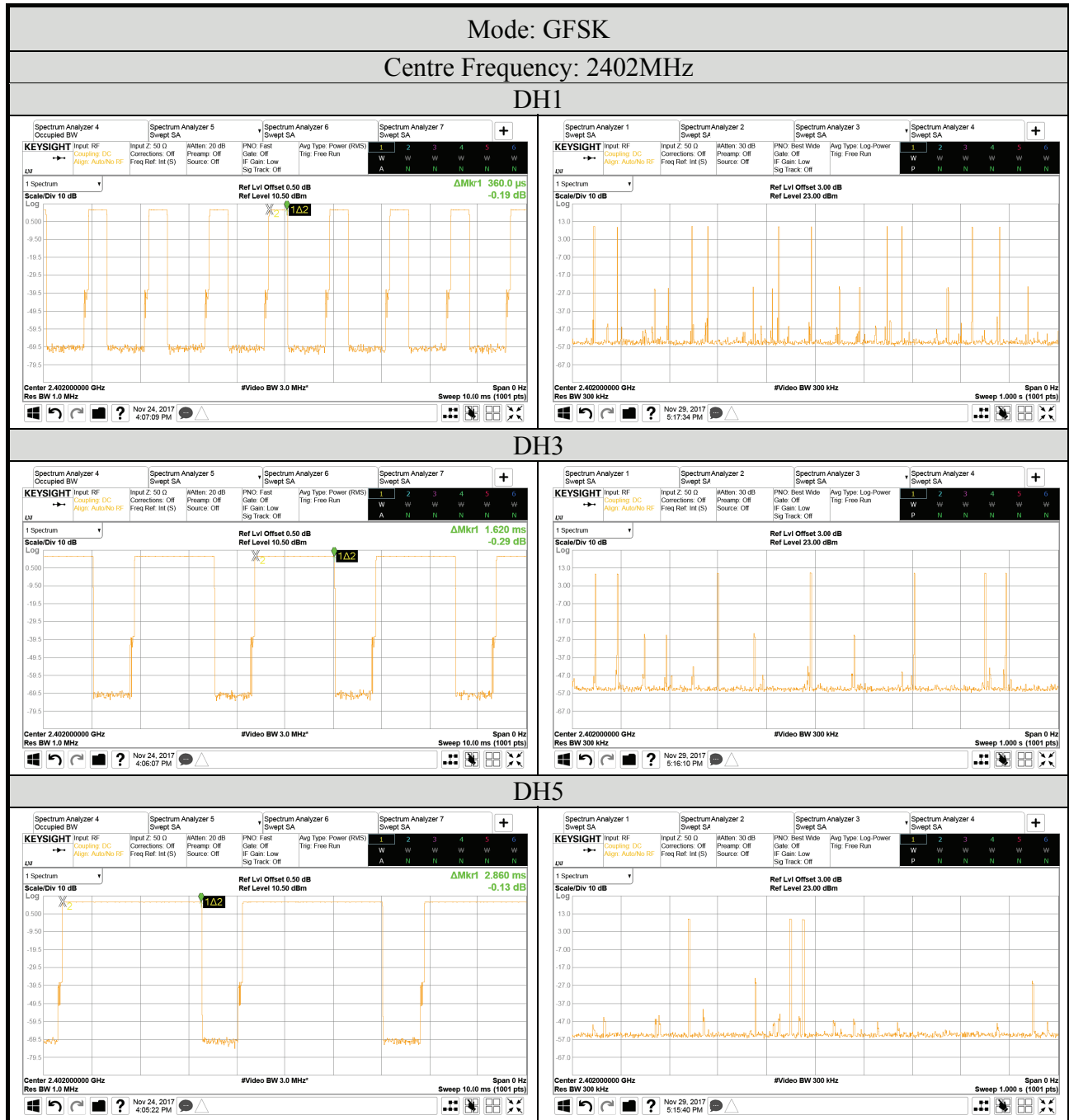
DH3: For each second of **6** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

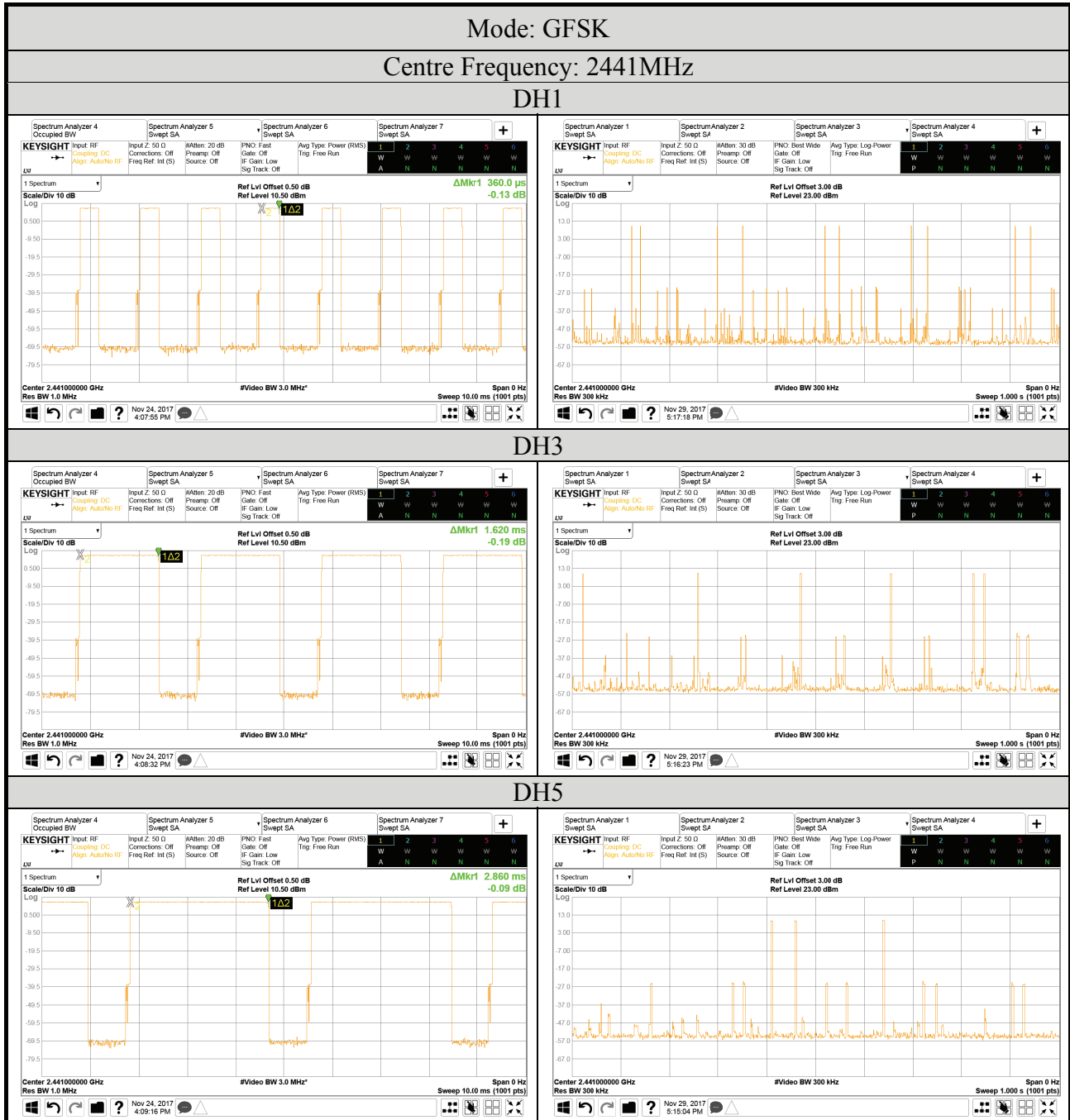
$$6 \text{ channels} * 31.6 \text{ seconds} * 1.620 \text{ ms} = 307.152 \text{ ms}$$

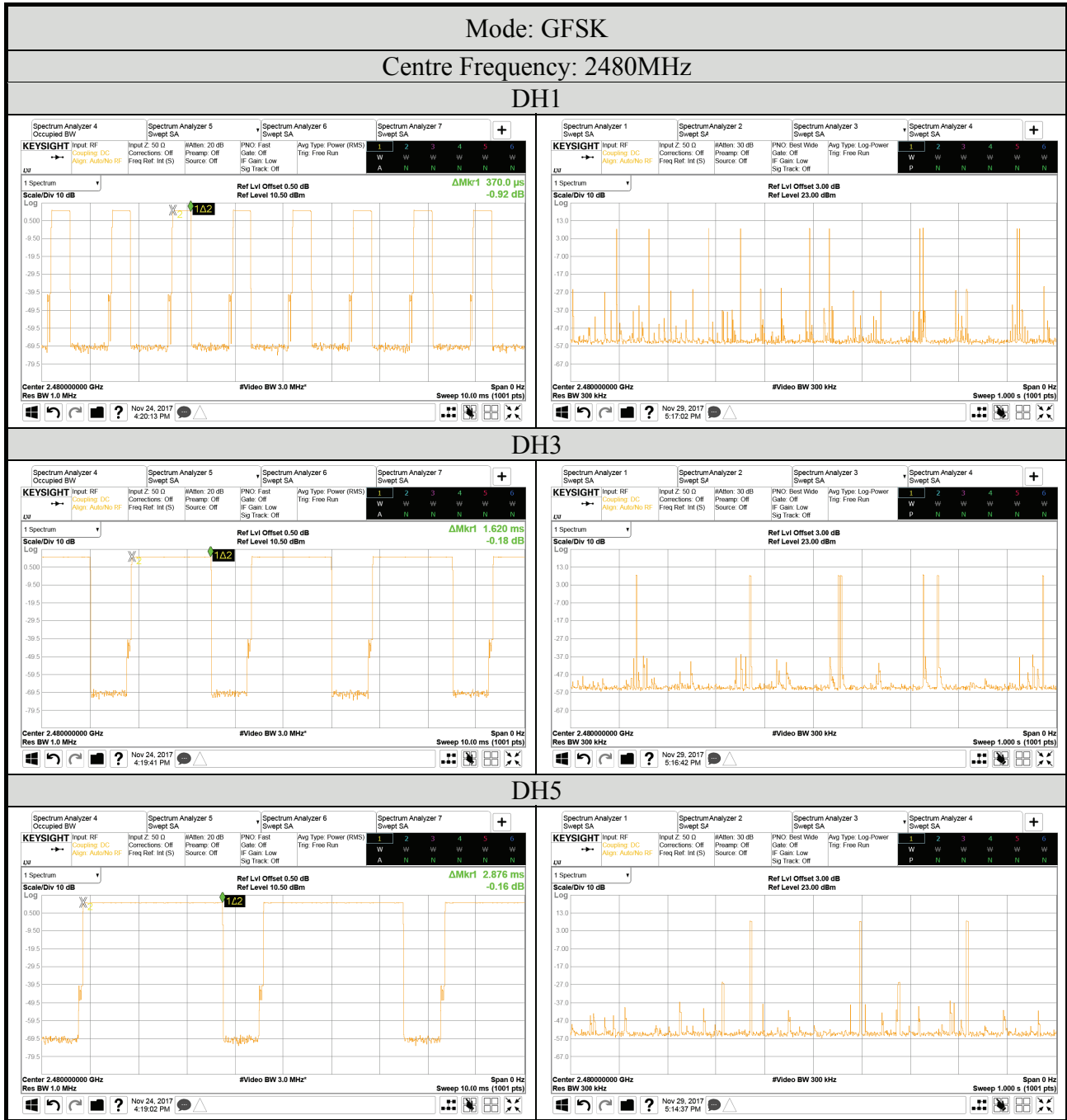
DH5: For each second of **3** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$3 \text{ channels} * 31.6 \text{ seconds} * 2.876 \text{ ms} = 272.645 \text{ ms}$$

● Measurement Plots







Mode	Centre Frequency (MHz)	Mode	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2402	3DH1	0.370	116.920	<400
		3DH3	1.600	252.800	
		3DH5	2.880	182.016	
	2441	3DH1	0.370	116.920	
		3DH3	1.610	254.380	
		3DH5	2.870	181.384	
	2480	3DH1	0.370	116.920	
		3DH3	1.630	257.540	
		3DH5	2.870	181.384	

Observation Period: 79 channels\*0.4 seconds = 31.6 seconds

**Centre Frequency: 2402MHz**

3DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.370 \text{ ms} = 116.920 \text{ ms}$$

3DH3: For each second of **5** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$5 \text{ channels} * 31.6 \text{ seconds} * 1.600 \text{ ms} = 252.800 \text{ ms}$$

3DH5: For each second of **2** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$2 \text{ channels} * 31.6 \text{ seconds} * 2.880 \text{ ms} = 182.016 \text{ ms}$$

**Centre Frequency: 2441MHz**

3DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.370 \text{ ms} = 116.920 \text{ ms}$$

3DH3: For each second of **5** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$5 \text{ channels} * 31.6 \text{ seconds} * 1.610 \text{ ms} = 254.380 \text{ ms}$$

3DH5: For each second of **2** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$2 \text{ channels} * 31.6 \text{ seconds} * 2.870 \text{ ms} = 181.384 \text{ ms}$$

**Centre Frequency: 2480MHz**

3DH1: For each second of **10** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$10 \text{ channels} * 31.6 \text{ seconds} * 0.370 \text{ ms} = 116.920 \text{ ms}$$

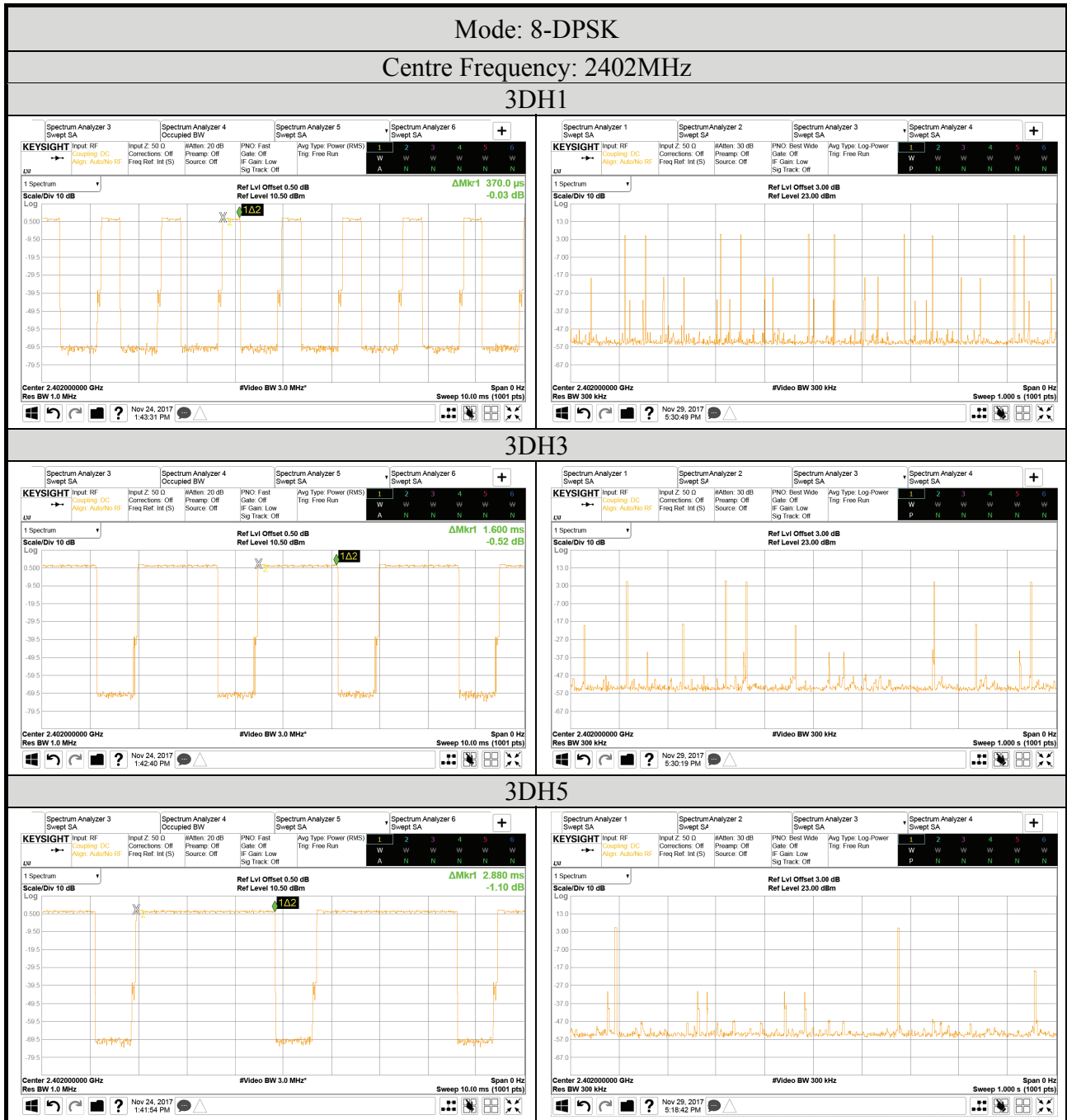
3DH3: For each second of **5** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

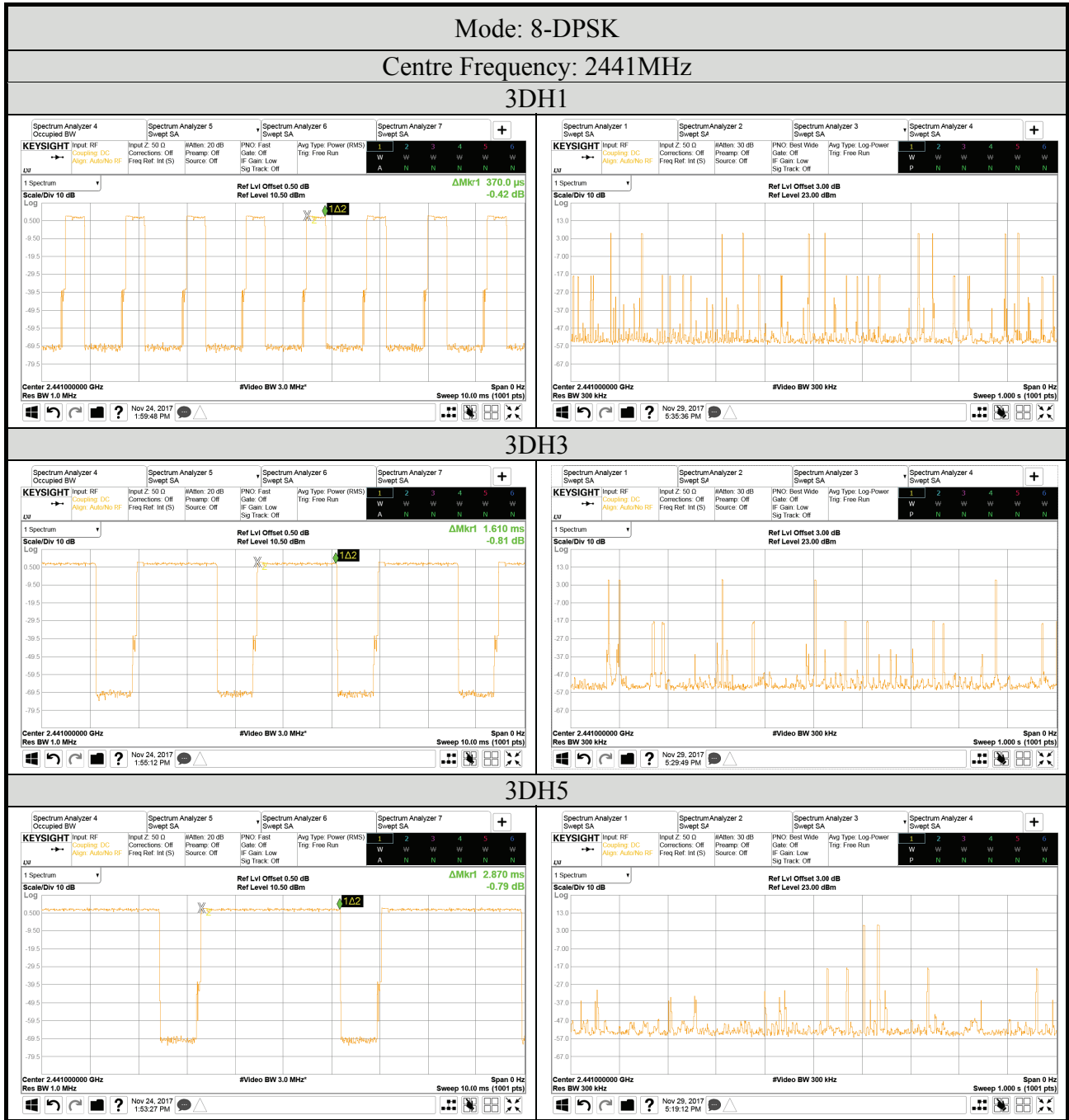
$$5 \text{ channels} * 31.6 \text{ seconds} * 1.630 \text{ ms} = 257.540 \text{ ms}$$

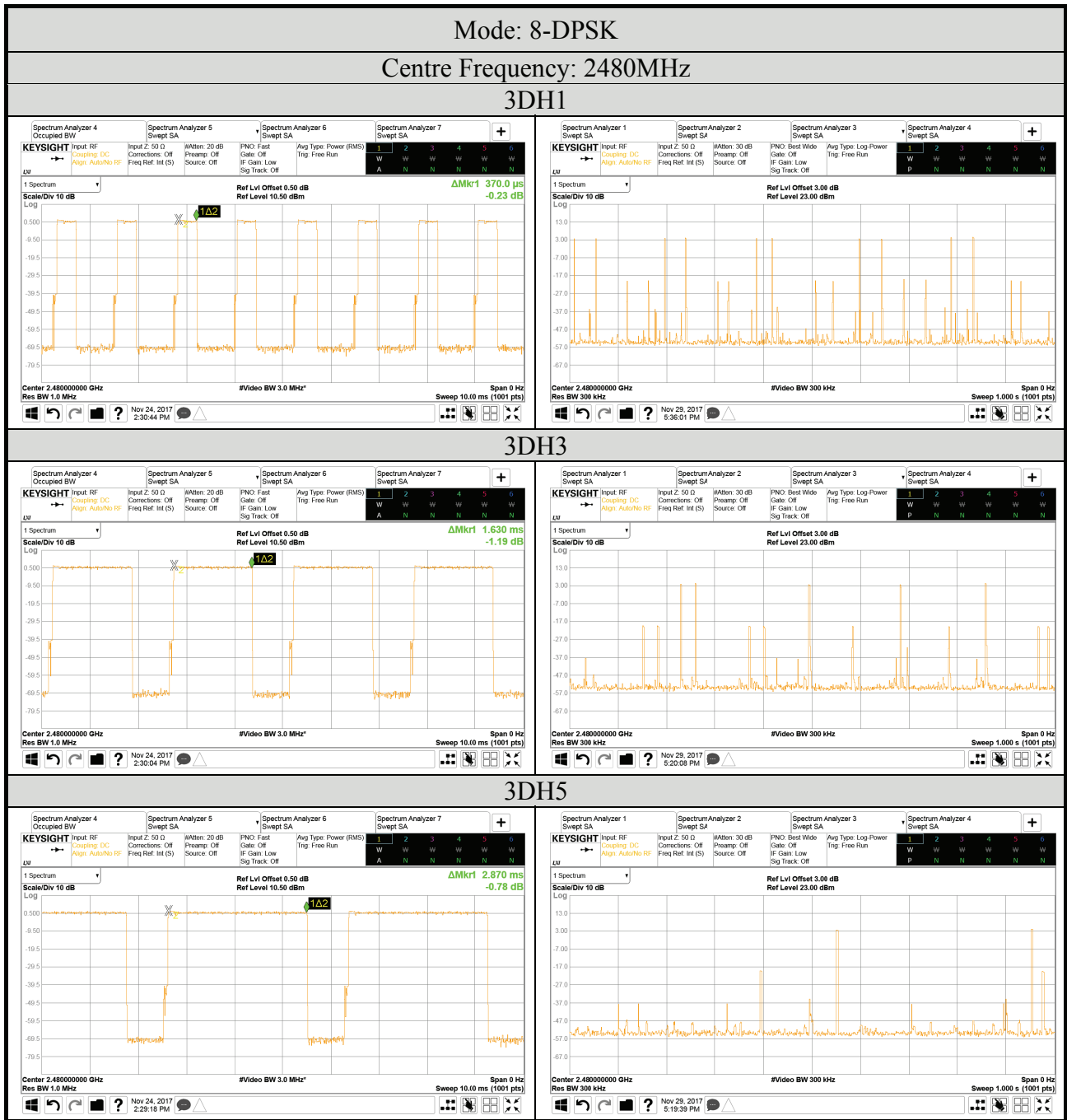
3DH5: For each second of **2** channel appearance, the longest time of occupancy for each of 31.6 seconds is:

$$2 \text{ channels} * 31.6 \text{ seconds} * 2.870 \text{ ms} = 181.384 \text{ ms}$$

● Measurement Plots

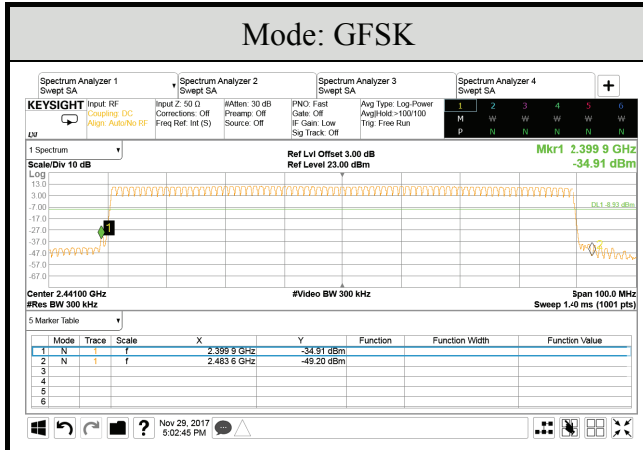




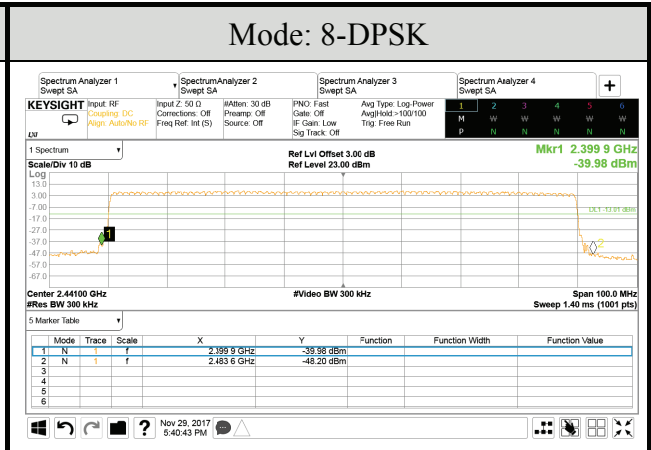


## A.6 NUMBER OF HOPPING CHANNELS

Test Date	2017/11/29	Temp./Hum.	23°C/58%
Cable Loss	3.0dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)



The number hopping channel is 79.



The number hopping channel is 79.

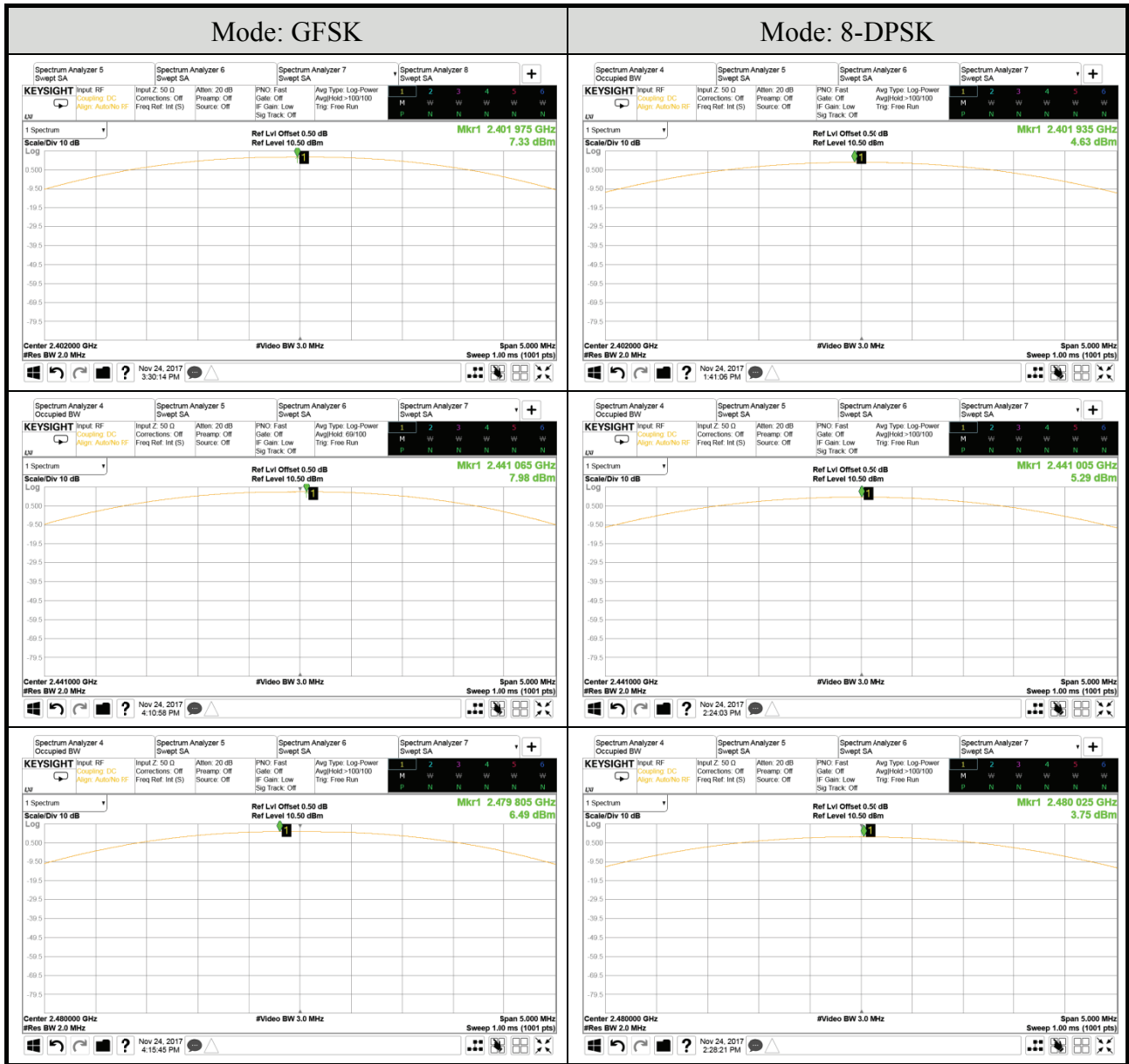
## A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

### A.7.1 Maximum Peak Output Power

Modulation	Centre Frequency (MHz)	Maximum Peak Output Power		Limit
		dBm	W	
GFSK	2402	7.33	0.005408	21dBm (0.125W)
	2441	7.98	0.006281	
	2480	6.49	0.004457	
8-DPSK	2402	4.63	0.002904	
	2441	5.29	0.003381	
	2480	3.75	0.002371	

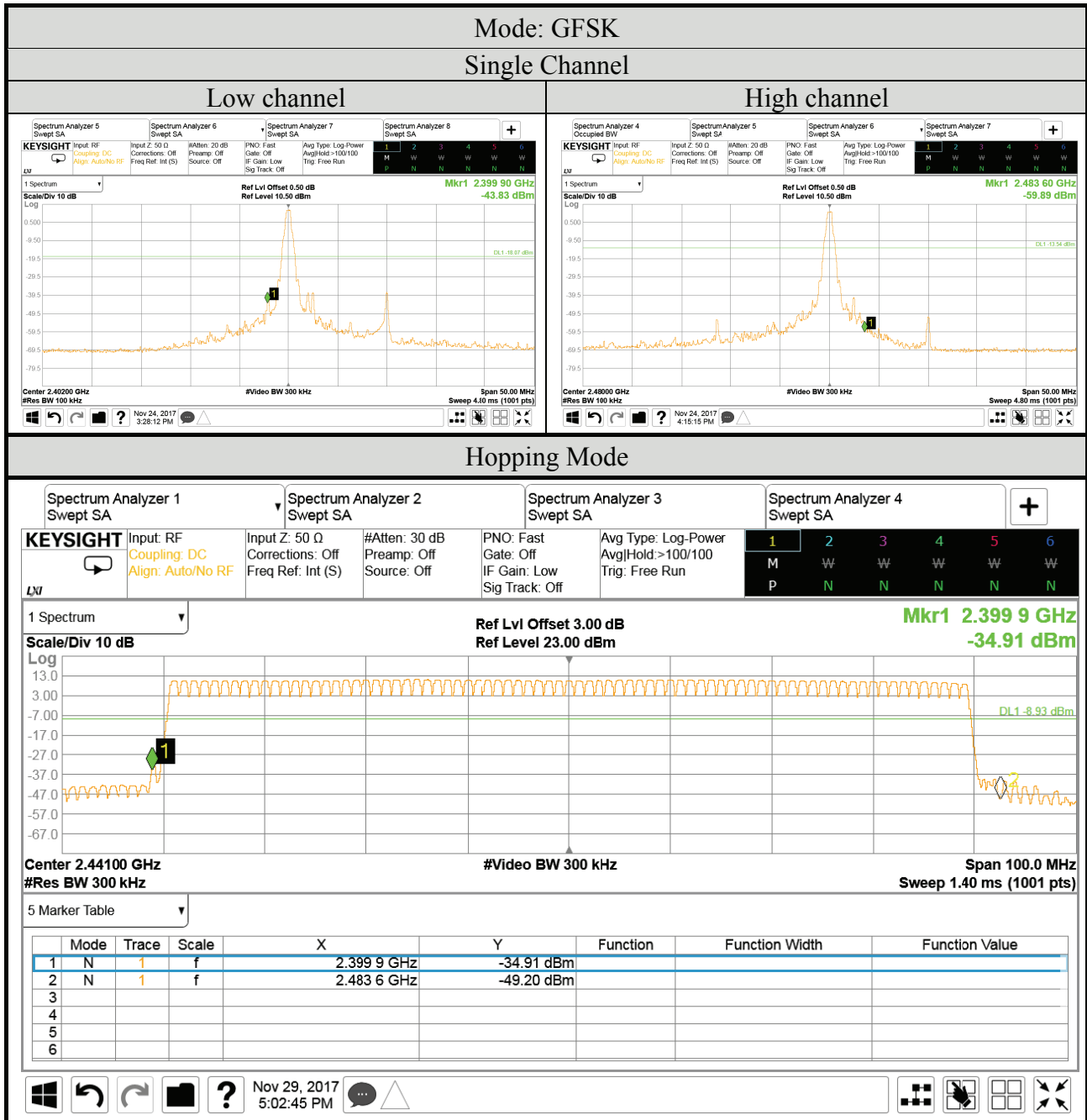
A.7.2 Measurement Plots

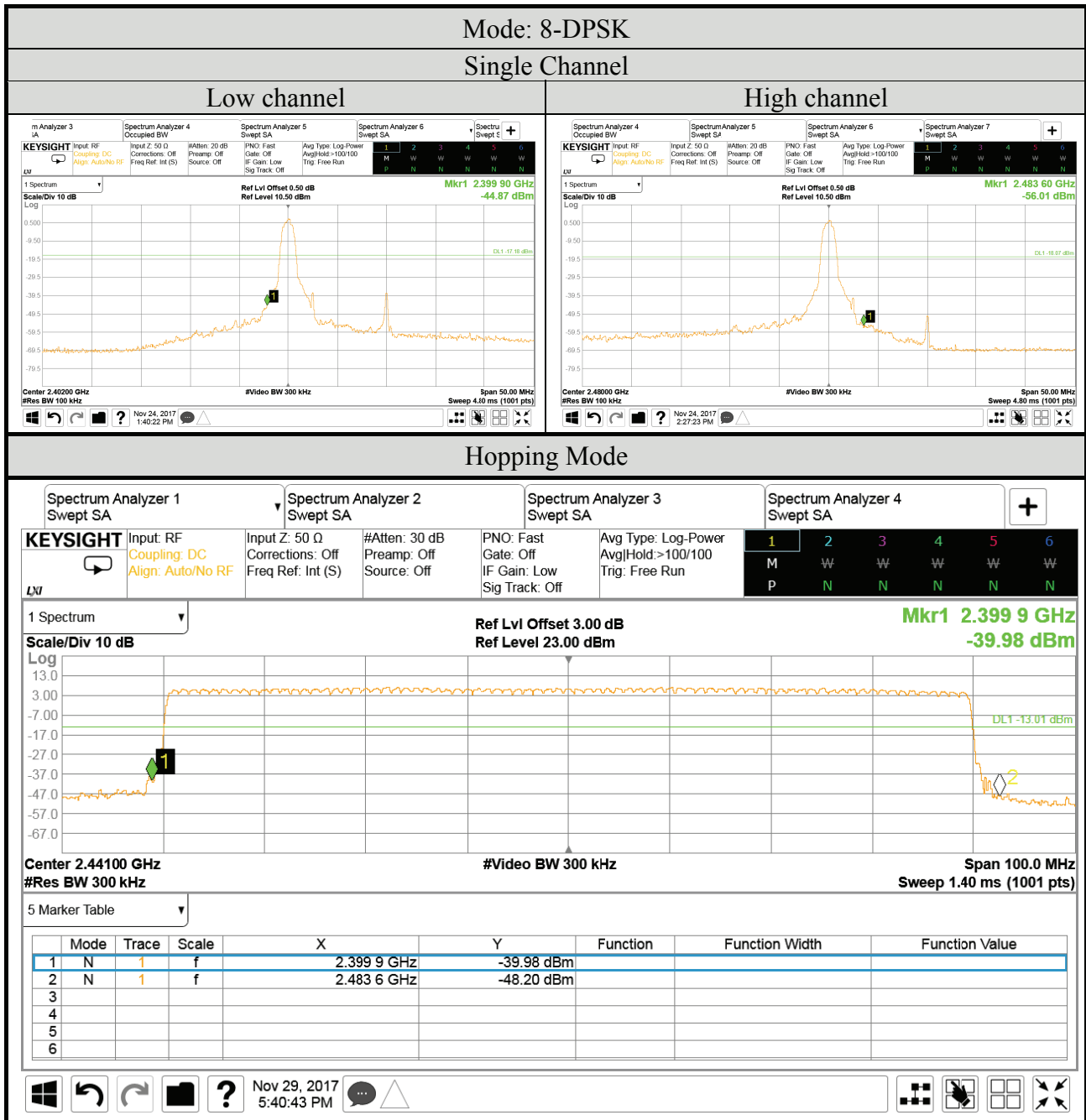


## A.8 EMISSION LIMITATIONS MEASUREMENT

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

### A.8.1 Band Edge





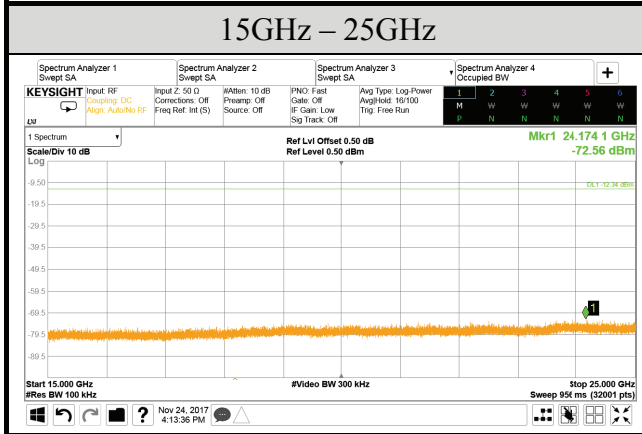
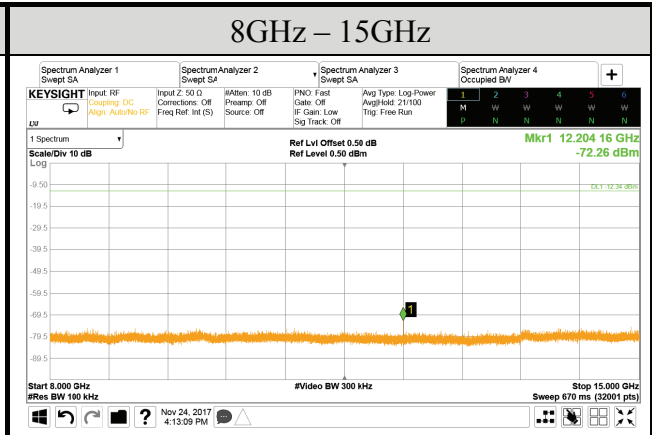
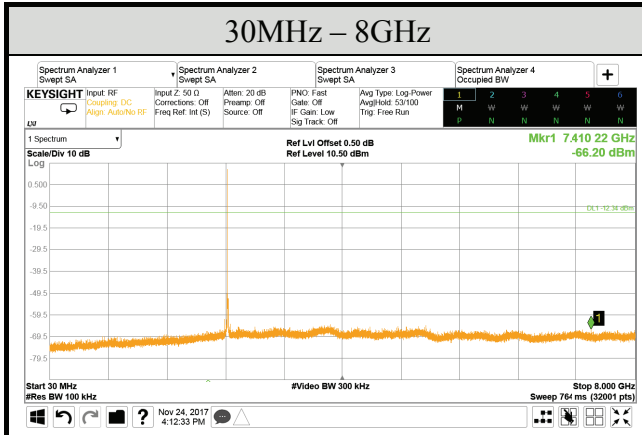
**A.8.2 Spurious Emission**

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	GFSK	Frequency	2402MHz



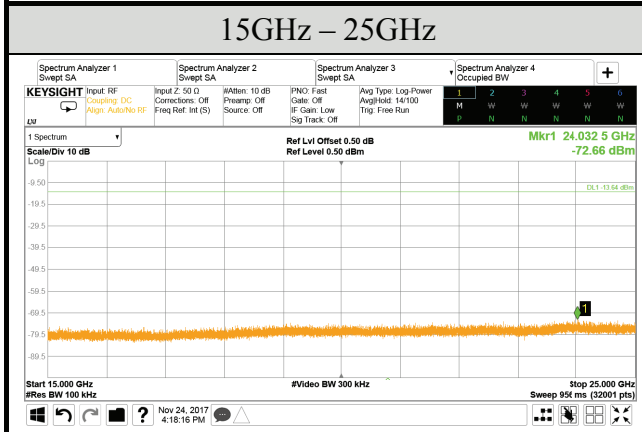
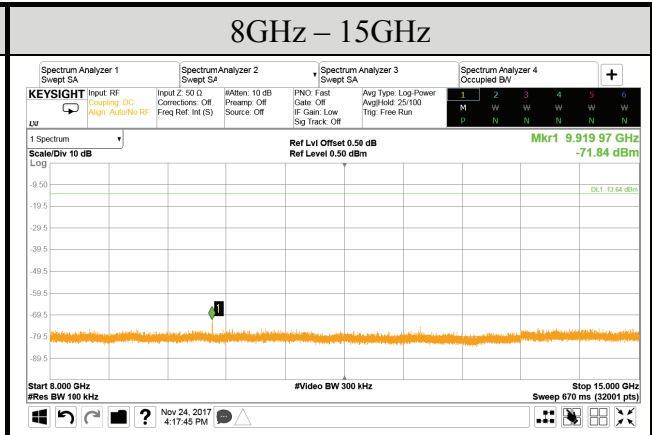
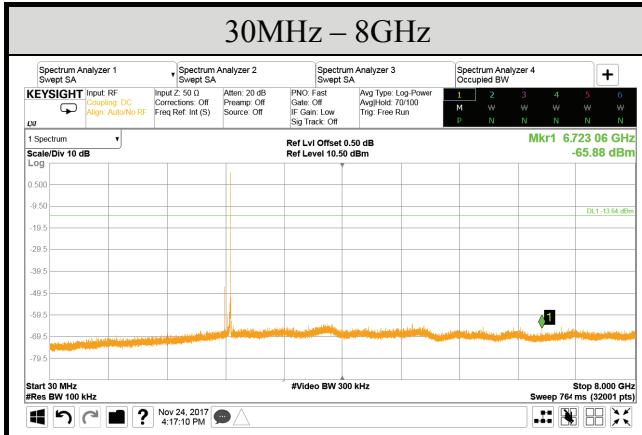
Note: All results have been included cable loss.

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	GFSK	Frequency	2441MHz



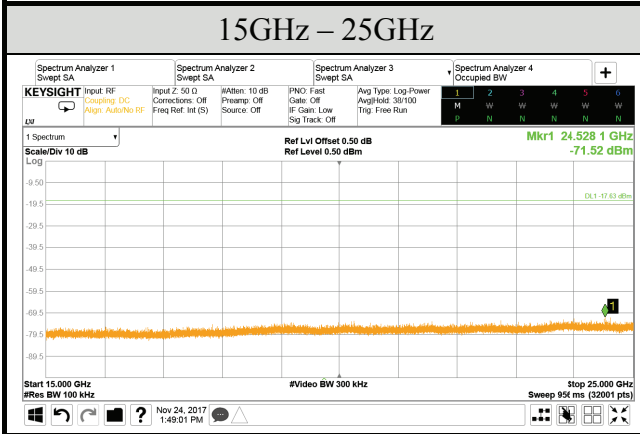
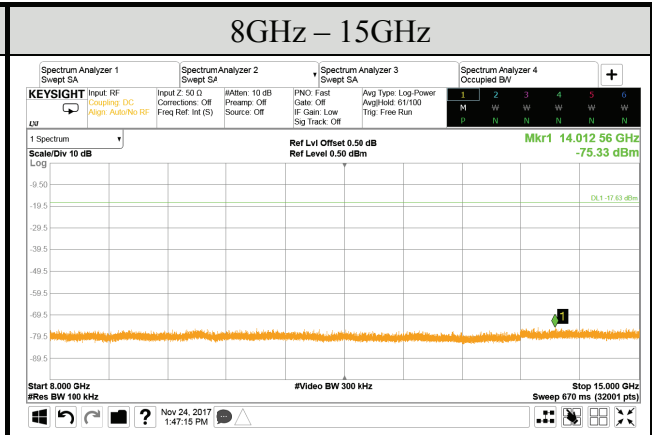
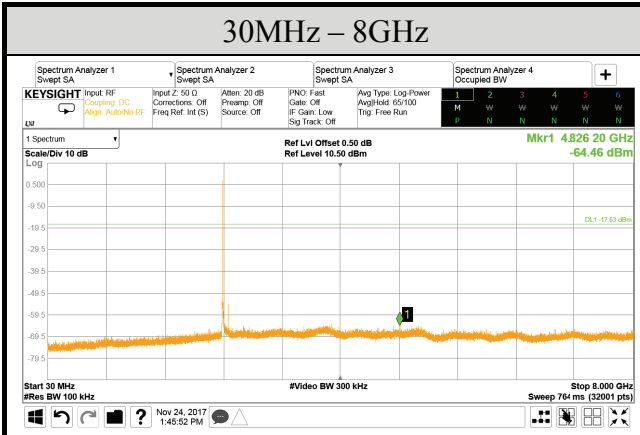
Note: All results have been included cable loss.

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	GFSK	Frequency	2480MHz



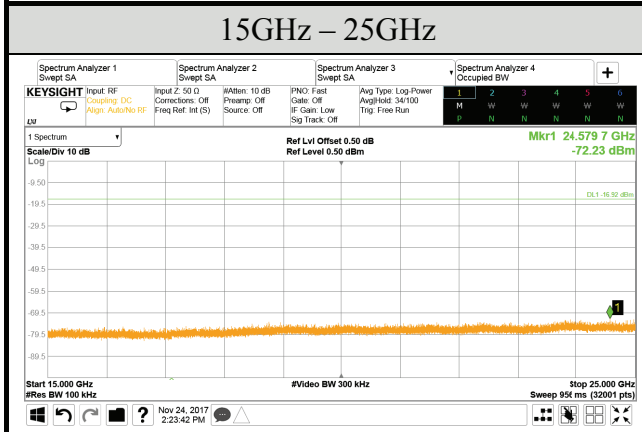
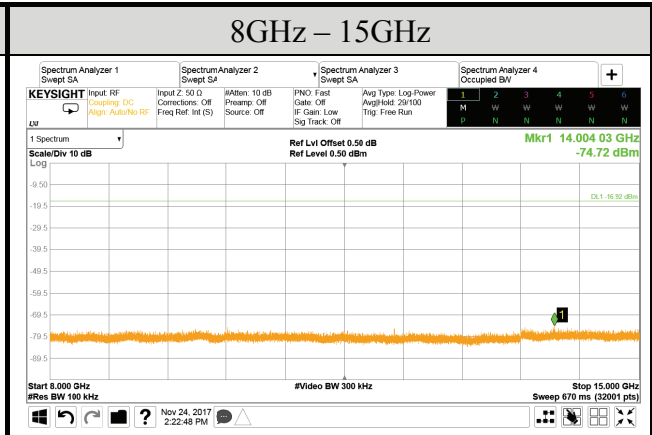
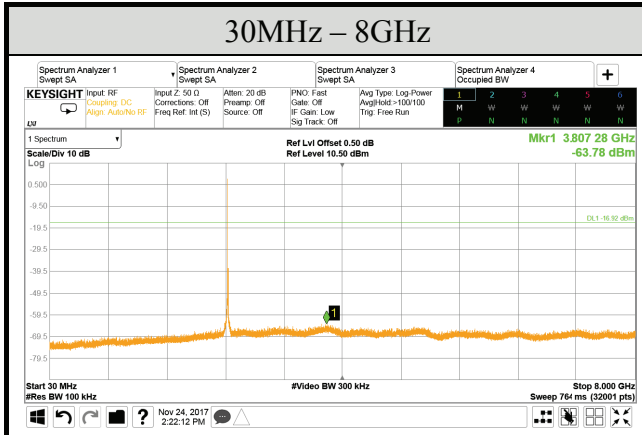
Note: All results have been included cable loss.

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	8-DPSK	Frequency	2402MHz



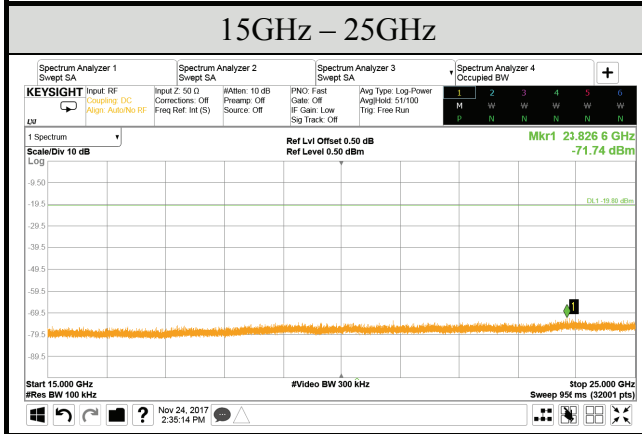
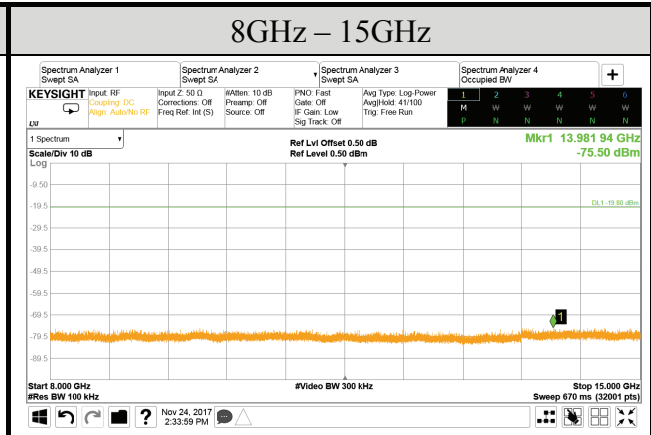
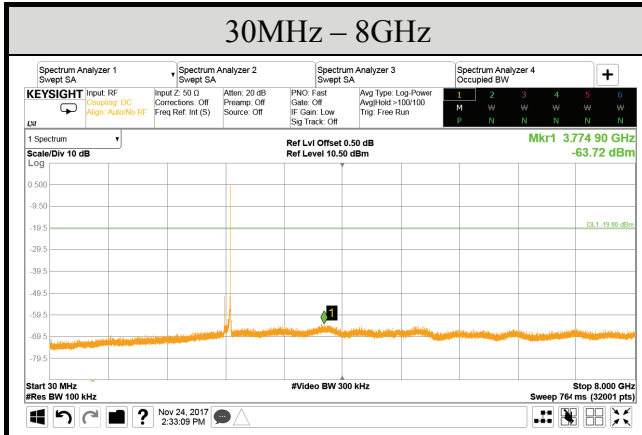
Note: All results have been included cable loss.

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	8-DPSK	Frequency	2441MHz



Note: All results have been included cable loss.

Test Date	2017/11/24	Temp./Hum.	23°C/55%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	8-DPSK	Frequency	2480MHz



Note: All results have been included cable loss.