Audix Technology Corp.
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Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
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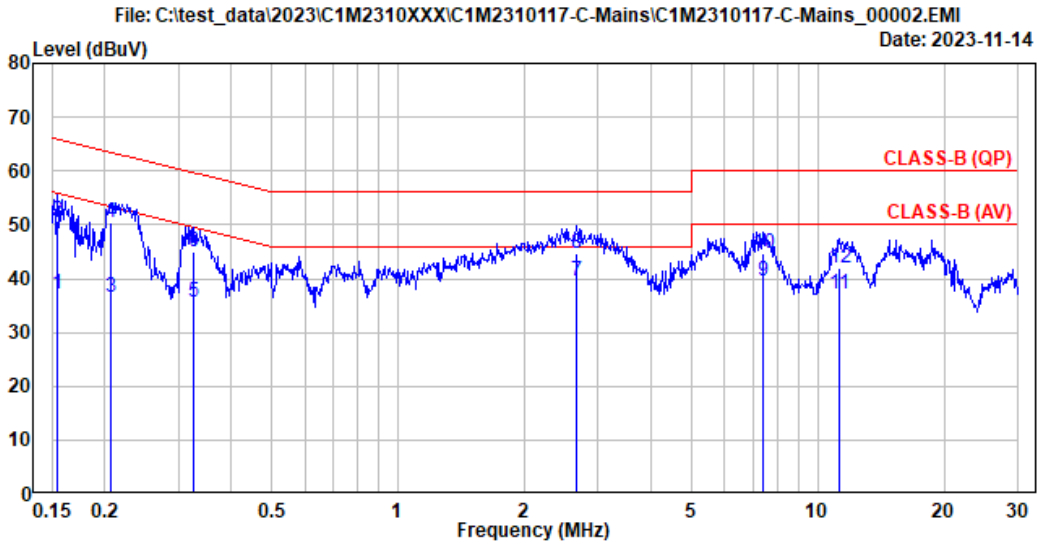
A.1 CONDUCTED EMISSION

Test Date	2023/11/14	Temp./Hum.	26℃/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng
Test SKU	SKU #1(with INPOAQ ANT)		



Site No. : No.8 Shielded Room
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B (QP)
Environment : 26*C/57%
EUT Model : 16Z90SP
Test Mode : Operating

Data No. : 2
Phase : Neutral
Test Rating : 120Vac/60Hz
Engineer : Bruce

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.154	10.30	0.03	9.85	16.83	37.01	55.79	18.78	Average
2	0.154	10.30	0.03	9.85	30.40	50.58	65.79	15.21	QP
3	0.207	10.29	0.03	9.85	16.43	36.60	53.31	16.71	Average
4	0.207	10.29	0.03	9.85	30.30	50.47	63.31	12.84	QP
5	0.325	10.28	0.03	9.85	15.61	35.77	49.58	13.81	Average
6	0.325	10.28	0.03	9.85	24.82	44.98	59.58	14.60	QP
7	2.661	10.34	0.07	9.86	19.42	39.69	46.00	6.31	Average
8	2.661	10.34	0.07	9.86	24.49	44.76	56.00	11.24	QP
9	7.430	10.50	0.11	9.87	19.17	39.65	50.00	10.35	Average
10	7.430	10.50	0.11	9.87	24.31	44.79	60.00	15.21	QP
11	11.238	10.64	0.15	9.90	16.38	37.07	50.00	12.93	Average
12	11.238	10.64	0.15	9.90	21.37	42.06	60.00	17.94	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

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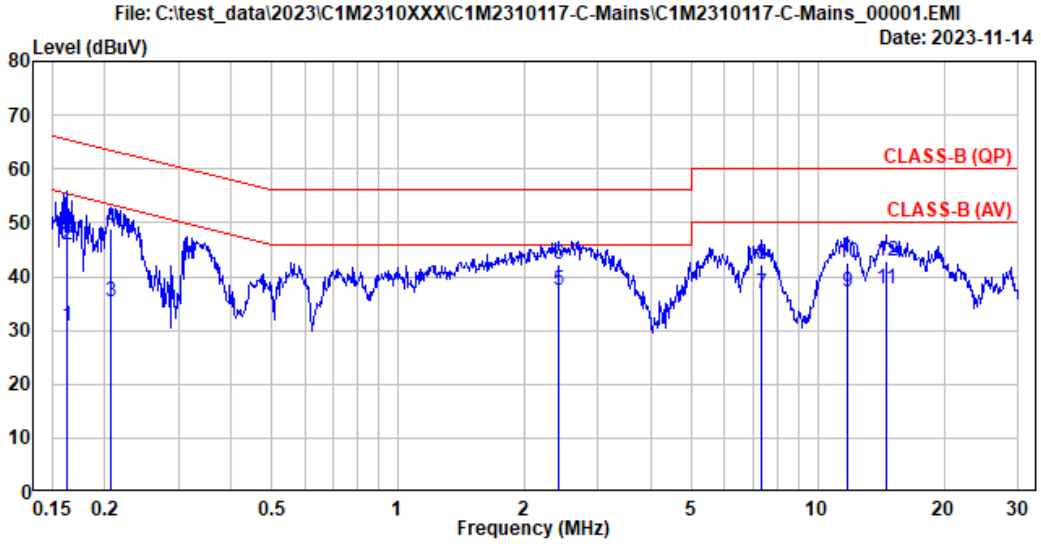
Test Date	2023/11/14	Temp./Hum.	26℃/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng
Test SKU	SKU #1(with INPOAQ ANT)		



Site No. : No.8 Shielded Room
Instrument 1 : Receiver ESR(774)
Instrument 2 : ENV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit : CLASS-B (QP)
Environment : 26*C/57%
EUT Model : 16Z90SP
Test Mode : Operating

Data No. : 1
Phase : Line
Test Rating : 120Vac/60Hz
Engineer : Bruce

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.162	10.29	0.03	9.85	10.52	30.69	55.34	24.65	Average
2	0.162	10.29	0.03	9.85	25.70	45.87	65.34	19.47	QP
3	0.207	10.28	0.03	9.85	15.27	35.43	53.31	17.88	Average
4	0.207	10.28	0.03	9.85	28.79	48.95	63.31	14.36	QP
5	2.421	10.31	0.07	9.86	17.07	37.31	46.00	8.69	Average
6	2.421	10.31	0.07	9.86	21.92	42.16	56.00	13.84	QP
7	7.320	10.42	0.11	9.87	16.34	36.74	50.00	13.26	Average
8	7.320	10.42	0.11	9.87	21.74	42.14	60.00	17.86	QP
9	11.812	10.52	0.15	9.90	16.63	37.20	50.00	12.80	Average
10	11.812	10.52	0.15	9.90	22.03	42.60	60.00	17.40	QP
11	14.563	10.60	0.17	9.91	17.08	37.76	50.00	12.24	Average
12	14.563	10.60	0.17	9.91	22.28	42.96	60.00	17.04	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

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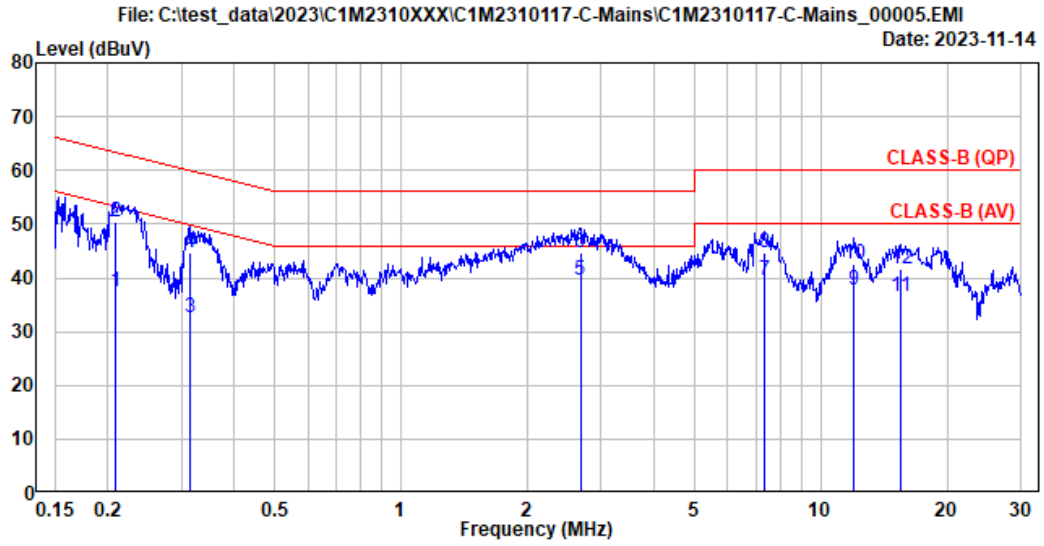
Test Date	2023/11/14	Temp./Hum.	26℃/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng
Test SKU	SKU #2(with LUXSHARE-ICT ANT)		

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Site No.        : No.8 Shielded Room                    Data No.     : 5
Instrument 1    : Receiver ESR(774)
Instrument 2    : ENV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit           : CLASS-B (QP)                          Phase        : Neutral
Environment     : 26*C/57%                              Test Rating  : 120Vac/60Hz
EUT Model       : 16Z90SP                               Engineer     : Bruce
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	0.208	10.29	0.03	9.85	17.27	37.44	53.27	15.83	Average
2	0.208	10.29	0.03	9.85	30.37	50.54	63.27	12.73	QP
3	0.315	10.28	0.03	9.85	12.39	32.55	49.83	17.28	Average
4	0.315	10.28	0.03	9.85	24.40	44.56	59.83	15.27	QP
5	2.675	10.34	0.07	9.86	19.40	39.67	46.00	6.33	Average
6	2.675	10.34	0.07	9.86	24.49	44.76	56.00	11.24	QP
7	7.320	10.50	0.11	9.87	19.14	39.62	50.00	10.38	Average
8	7.320	10.50	0.11	9.87	24.31	44.79	60.00	15.21	QP
9	11.990	10.68	0.15	9.90	16.95	37.68	50.00	12.32	Average
10	11.990	10.68	0.15	9.90	21.87	42.60	60.00	17.40	QP
11	15.460	10.83	0.17	9.91	15.67	36.58	50.00	13.42	Average
12	15.460	10.83	0.17	9.91	20.85	41.76	60.00	18.24	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

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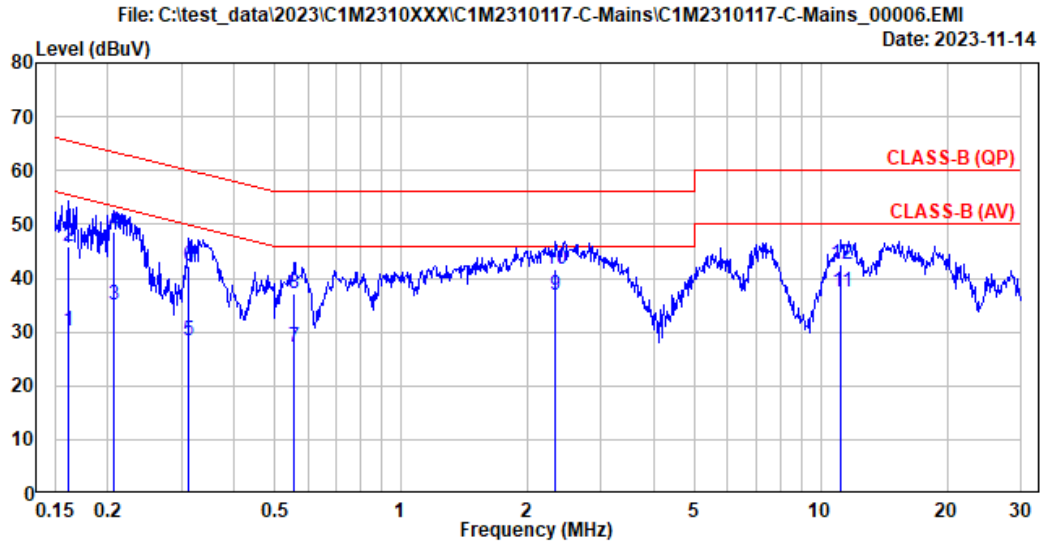
Test Date	2023/11/14	Temp./Hum.	26℃/57%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng
Test SKU	SKU #2(with LUXSHARE-ICT ANT)		




```
Site No.        : No.8 Shielded Room                Data No.     : 6
Instrument 1    : Receiver ESR(774)
Instrument 2    : ENV432 (567)(A)|CE-08|ESH3-Z2 (354)
Limit           : CLASS-B (QP)                      Phase        : Line
Environment     : 26*C/57%                          Test Rating  : 120Vac/60Hz
EUT Model       : 16Z90SP                           Engineer     : Bruce
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	0.161	10.30	0.03	9.85	10.13	30.31	55.42	25.11	Average
2	0.161	10.30	0.03	9.85	25.84	46.02	65.42	19.40	QP
3	0.207	10.28	0.03	9.85	14.82	34.98	53.31	18.33	Average
4	0.207	10.28	0.03	9.85	28.46	48.62	63.31	14.69	QP
5	0.312	10.27	0.03	9.85	8.23	28.38	49.91	21.53	Average
6	0.312	10.27	0.03	9.85	22.08	42.23	59.91	17.68	QP
7	0.554	10.27	0.03	9.85	6.92	27.07	46.00	18.93	Average
8	0.554	10.27	0.03	9.85	16.83	36.98	56.00	19.02	QP
9	2.338	10.31	0.06	9.86	16.63	36.86	46.00	9.14	Average
10	2.338	10.31	0.06	9.86	21.33	41.56	56.00	14.44	QP
11	11.182	10.50	0.15	9.90	16.86	37.41	50.00	12.59	Average
12	11.182	10.50	0.15	9.90	21.89	42.44	60.00	17.56	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

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A.2 RADIATED EMISSION

Test Date	2023/10/16 ~ 11/14	Temp./Hum.	23 ~ 25℃/52 ~ 62%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Hua Wu

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

Test SKU: SKU #1 (With INPAQ ANT)

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.850	22.21	1.30	26.51	36.47	33.46	40.00	6.54	Peak
148.825	16.64	2.86	26.02	43.94	37.42	43.50	6.08	Peak
345.250	20.22	4.92	26.08	33.15	32.21	46.00	13.79	Peak
445.483	22.32	5.94	26.82	40.36	41.79	46.00	4.21	Peak
594.217	24.27	6.74	27.40	32.66	36.28	46.00	9.72	Peak
684.750	24.64	7.22	27.40	32.82	37.28	46.00	8.72	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
34.850	22.21	1.30	0.00	13.59	37.09	40.00	2.91	QP
81.733	13.35	2.06	26.36	41.96	31.01	40.00	8.99	Peak
148.825	16.64	2.86	26.02	45.43	38.91	43.50	4.59	Peak
345.250	20.22	4.92	26.08	34.32	33.38	46.00	12.62	Peak
445.483	22.32	5.94	26.82	40.56	42.00	46.00	4.00	Peak
594.217	24.27	6.74	27.40	34.45	38.06	46.00	7.94	Peak

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Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.000	23.95	1.20	26.52	30.34	28.97	40.00	11.03	Peak
148.825	16.64	2.86	26.02	43.59	37.07	43.50	6.43	Peak
315.342	19.38	4.56	25.81	33.12	31.25	46.00	14.75	Peak
445.483	22.32	5.94	26.82	39.89	41.32	46.00	4.68	Peak
569.967	24.00	6.66	27.34	32.24	35.56	46.00	10.44	Peak
730.017	24.78	7.50	27.36	33.46	38.38	46.00	7.62	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
34.850	22.21	1.30	0.00	14.39	37.90	40.00	2.10	QP
77.692	12.82	2.01	26.38	42.08	30.54	40.00	9.46	Peak
123.767	17.73	2.58	26.16	35.52	29.67	43.50	13.83	Peak
148.825	16.64	2.86	26.02	45.87	39.34	43.50	4.16	Peak
445.483	22.32	5.94	26.82	40.45	41.88	46.00	4.12	Peak
594.217	24.27	6.74	27.40	34.01	37.63	46.00	8.37	Peak

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Spot Check with SKU #2 (with INAPQ ANT)

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
35.658	21.78	1.31	26.51	38.26	34.84	40.00	5.16	Peak
148.825	16.64	2.86	26.02	43.48	36.96	43.50	6.54	Peak
207.833	15.77	3.48	25.80	34.93	28.38	43.50	15.12	Peak
345.250	20.22	4.92	26.08	34.24	33.31	46.00	12.69	Peak
445.483	22.32	5.94	26.82	40.43	41.87	46.00	4.13	Peak
540.058	23.63	6.55	27.27	33.26	36.18	46.00	9.82	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
34.850	22.21	1.30	0.00	13.99	37.49	40.00	2.51	QP
80.925	13.17	2.05	26.36	42.49	31.34	40.00	8.66	Peak
148.825	16.64	2.86	26.02	45.13	38.61	43.50	4.89	Peak
345.250	20.22	4.92	26.08	34.43	33.49	46.00	12.51	Peak
445.483	22.32	5.94	26.82	41.30	42.73	46.00	3.27	Peak
534.400	23.58	6.53	27.25	33.47	36.33	46.00	9.67	Peak

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Spot Check with SKU #2 (with LUXSHARE-ICT ANT)

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
34.850	22.21	1.30	26.51	35.62	32.61	40.00	7.39	Peak
148.825	16.64	2.86	26.02	43.58	37.05	43.50	6.45	Peak
321.000	19.53	4.63	25.86	33.89	32.19	46.00	13.81	Peak
445.483	22.32	5.94	26.82	39.95	41.38	46.00	4.62	Peak
540.058	23.63	6.55	27.27	32.64	35.56	46.00	10.44	Peak
663.733	24.57	7.11	27.40	32.52	36.80	46.00	9.20	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
34.850	22.21	1.30	0.00	13.47	36.98	40.00	3.02	QP
81.733	13.35	2.06	26.36	41.34	30.39	40.00	9.61	Peak
148.825	16.64	2.86	26.02	45.12	38.60	43.50	4.90	Peak
345.250	20.22	4.92	26.08	33.17	32.23	46.00	13.77	Peak
445.483	22.32	5.94	26.82	41.04	42.47	46.00	3.53	Peak
540.058	23.63	6.55	27.27	32.73	35.65	46.00	10.35	Peak

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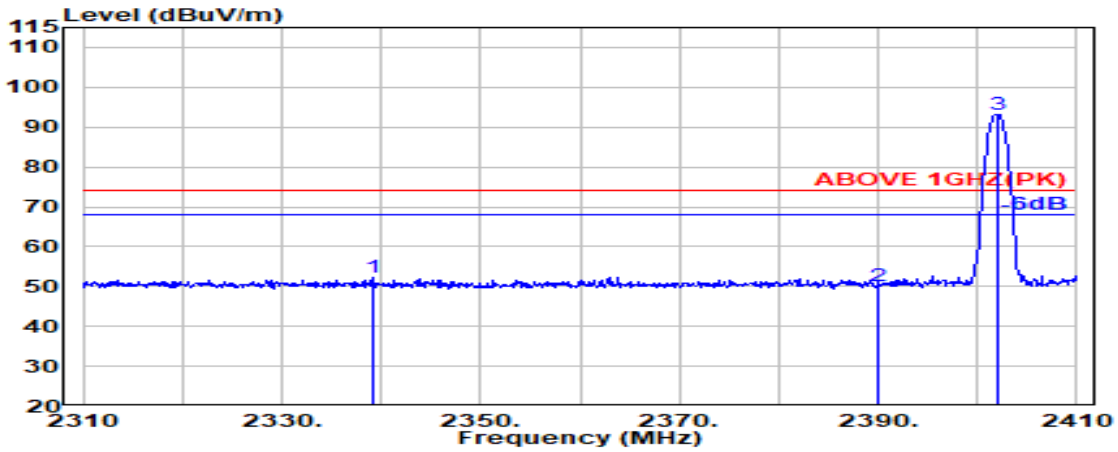
A.2.1.3 Frequency Above 1 GHz to 10th harmonics

Band Edge:

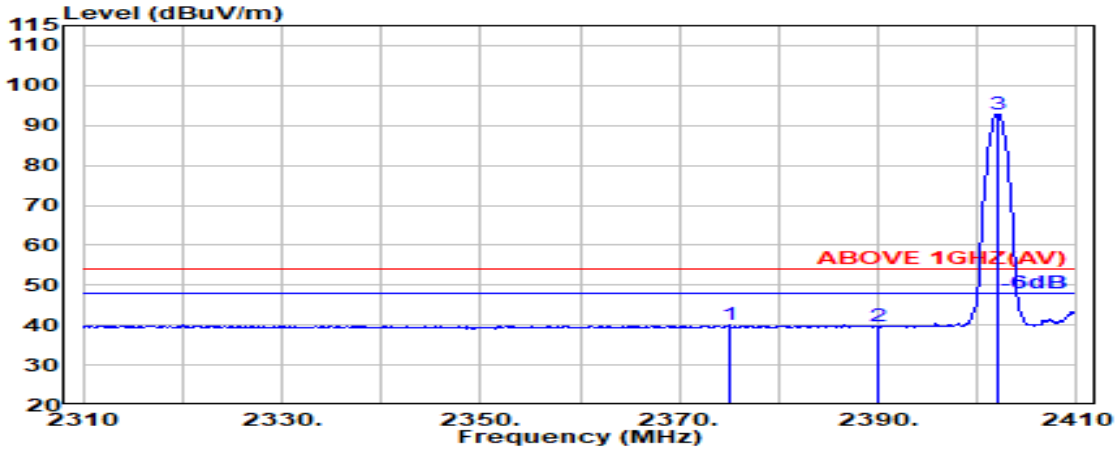
Test SKU: SKU #1 (With INPAQ ANT)

Mode	GFSK	Frequency	TX 2402MHz



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
	2339.100	28.41	5.96	34.50	52.34	52.22	74.00	21.78	Peak
	2390.000	28.18	6.03	34.51	50.38	50.09	74.00	23.91	Peak
@	2402.000	28.11	6.05	34.51	93.46	93.11	---	---	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
	2375.100	28.30	6.01	34.50	40.14	39.95	54.00	14.05	Average
	2390.000	28.18	6.03	34.51	39.99	39.70	54.00	14.30	Average
@	2402.100	28.11	6.05	34.51	93.27	92.93	---	---	Average

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

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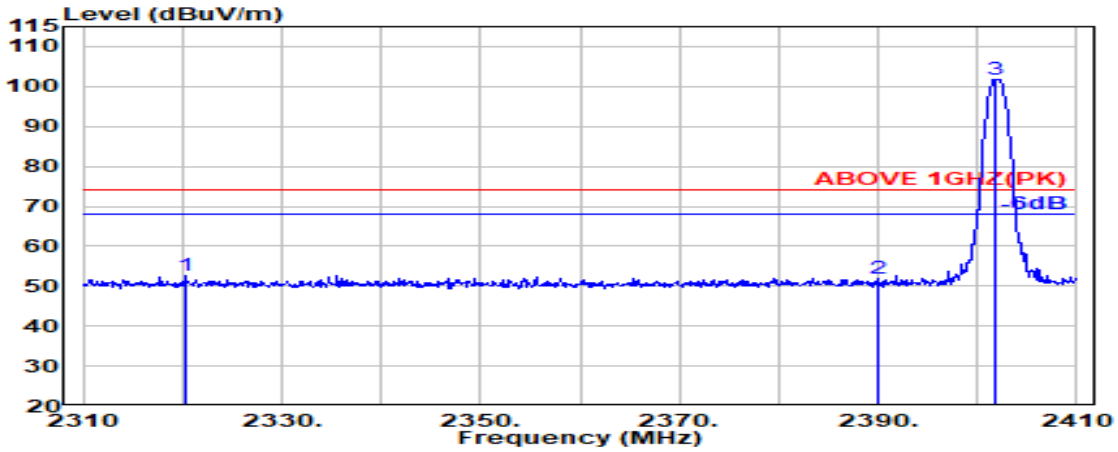
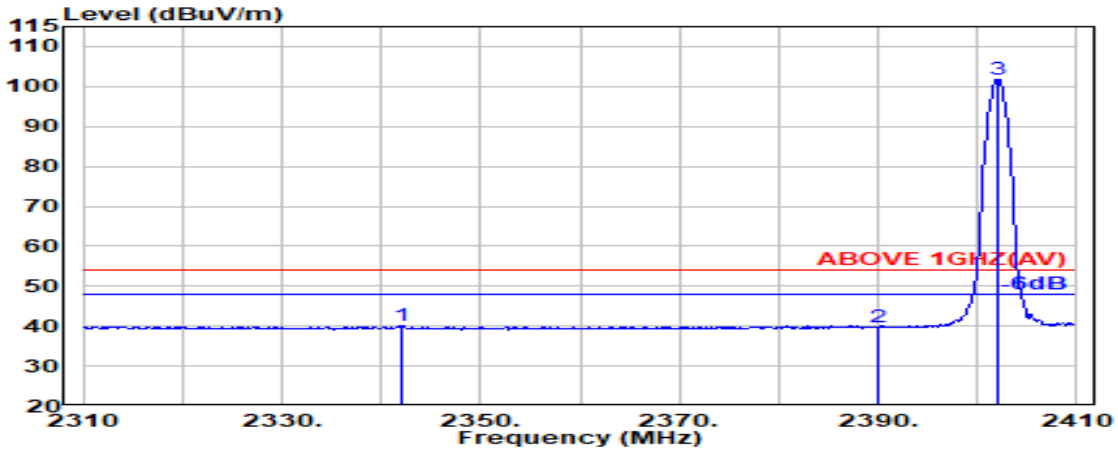
Mode	GFSK	Frequency	TX 2402MHz



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
	2320.200	28.26	5.93	34.49	52.92	52.62	74.00	21.38	Peak
	2390.000	28.18	6.03	34.51	52.14	51.85	74.00	22.15	Peak
@	2401.800	28.11	6.05	34.51	102.21	101.86	---	---	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
	2342.100	28.44	5.96	34.50	40.19	40.09	54.00	13.91	Average
	2390.000	28.18	6.03	34.51	39.92	39.63	54.00	14.37	Average
@	2402.000	28.11	6.05	34.51	102.15	101.80	---	---	Average

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

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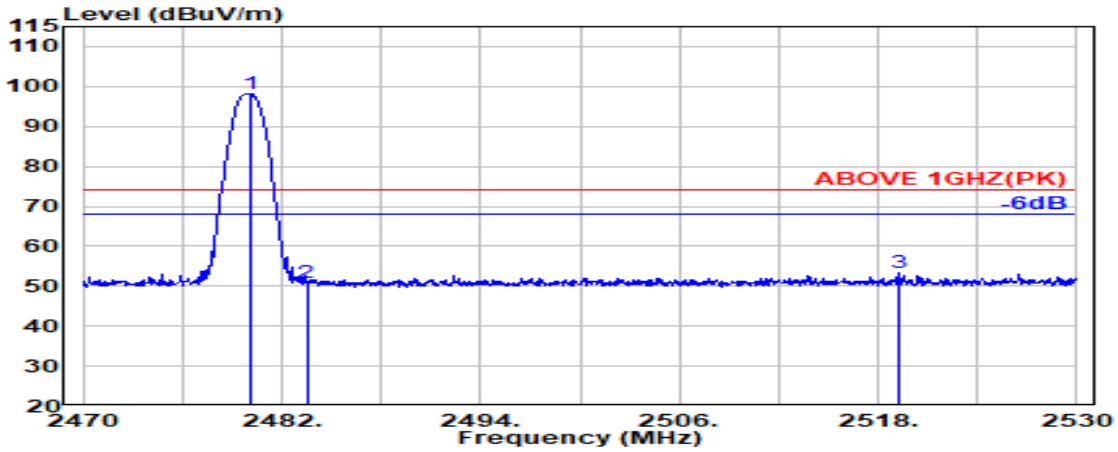
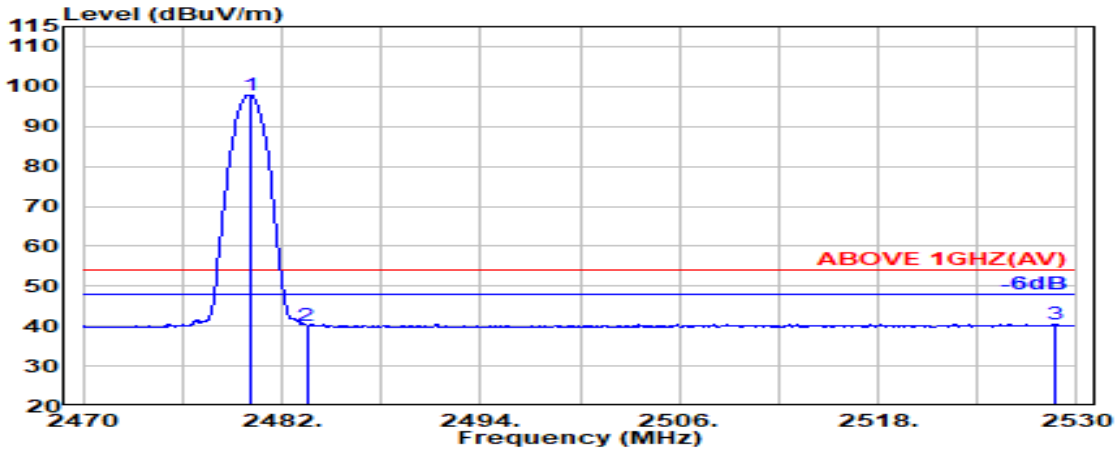
Mode	GFSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.46	6.16	34.53	97.96	98.06	---	---	Peak
	2483.500	28.47	6.17	34.53	50.82	50.92	74.00	23.08	Peak
	2519.250	28.62	6.21	34.53	53.20	53.49	74.00	20.51	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
@	2480.050	28.46	6.16	34.53	97.87	97.97	---	---	Average
	2483.500	28.47	6.17	34.53	40.06	40.17	54.00	13.83	Average
	2528.700	28.67	6.22	34.54	40.14	40.50	54.00	13.50	Average

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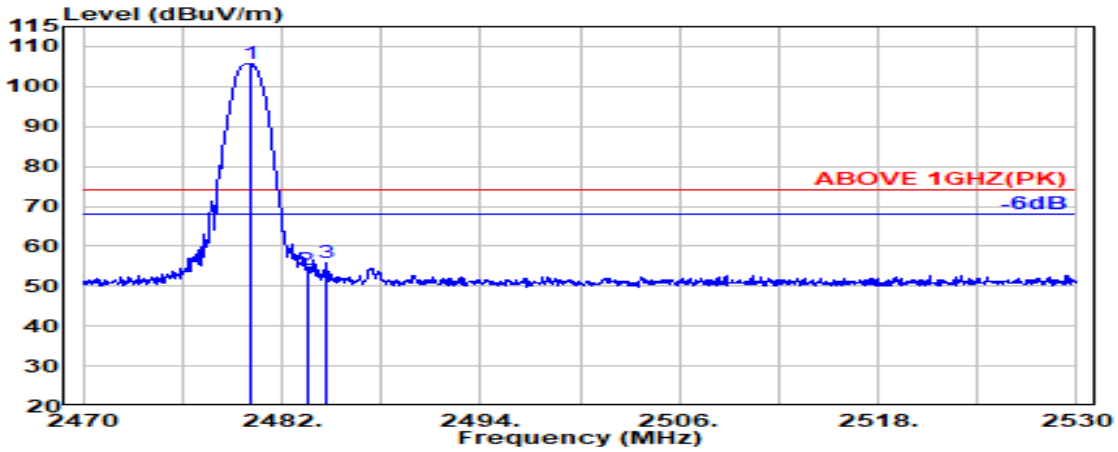
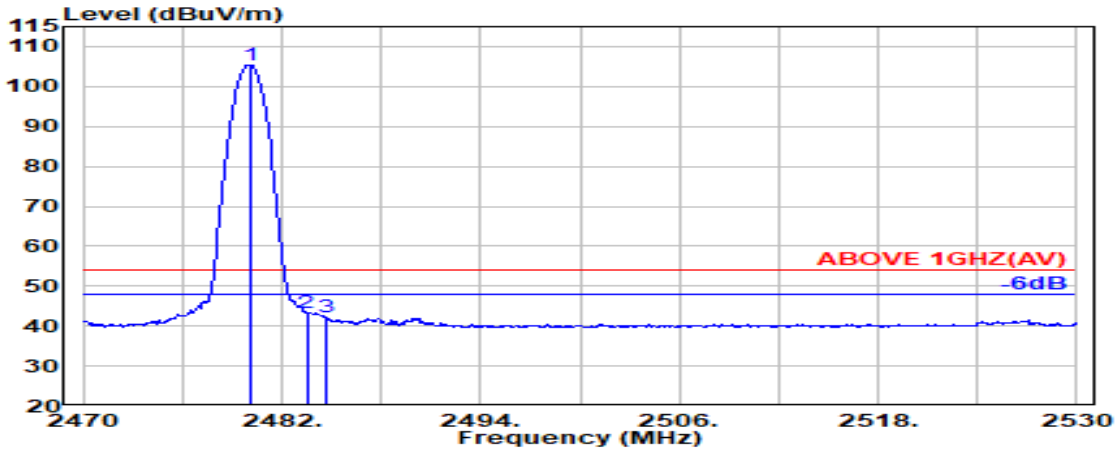
Mode	GFSK	Frequency	TX 2480MHz



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
@	2480.100	28.46	6.16	34.53	105.49	105.59	---	---	Peak
	2483.500	28.47	6.17	34.53	54.09	54.20	74.00	19.80	Peak
	2484.700	28.47	6.17	34.53	55.58	55.69	74.00	18.31	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
@	2480.050	28.46	6.16	34.53	105.39	105.49	---	---	Average
	2483.500	28.47	6.17	34.53	43.20	43.30	54.00	10.70	Average
	2484.650	28.47	6.17	34.53	42.14	42.25	54.00	11.75	Average

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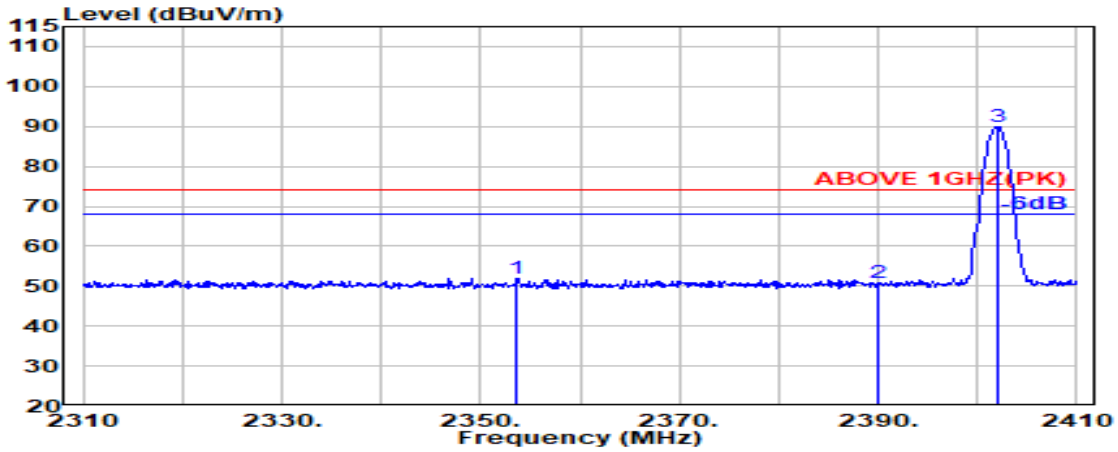
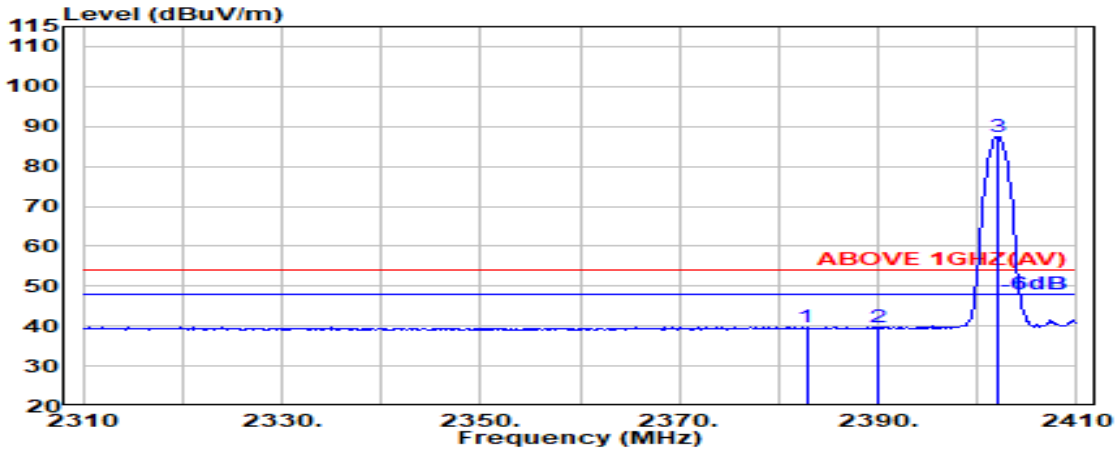
Mode	8-DPSK	Frequency	TX 2402MHz



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
	2353.700	28.47	5.98	34.50	52.02	51.98	74.00	22.02	Peak
	2390.000	28.18	6.03	34.51	51.08	50.78	74.00	23.22	Peak
@	2402.000	28.11	6.05	34.51	90.38	90.03	---	---	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
	2382.800	28.24	6.02	34.51	40.12	39.87	54.00	14.13	Average
	2390.000	28.18	6.03	34.51	39.99	39.70	54.00	14.30	Average
@	2402.100	28.11	6.05	34.51	87.80	87.45	---	---	Average

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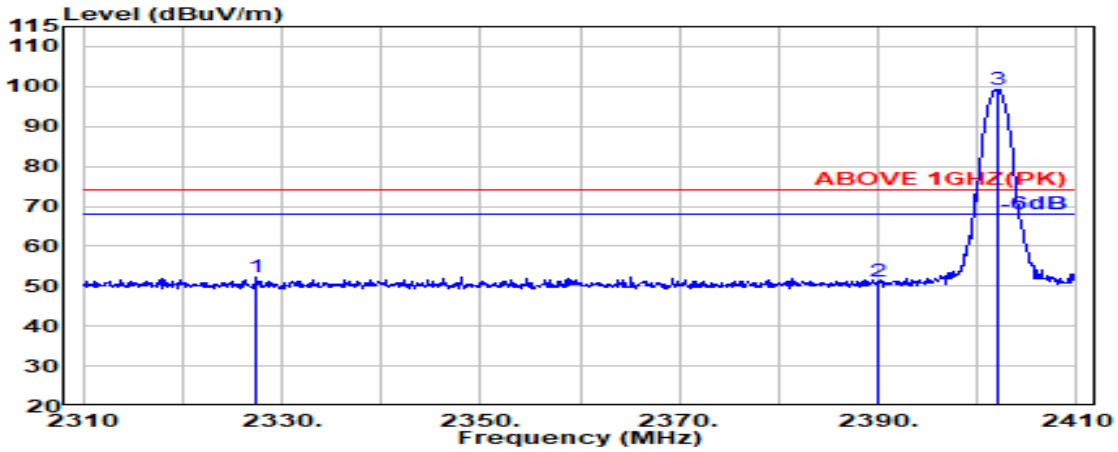
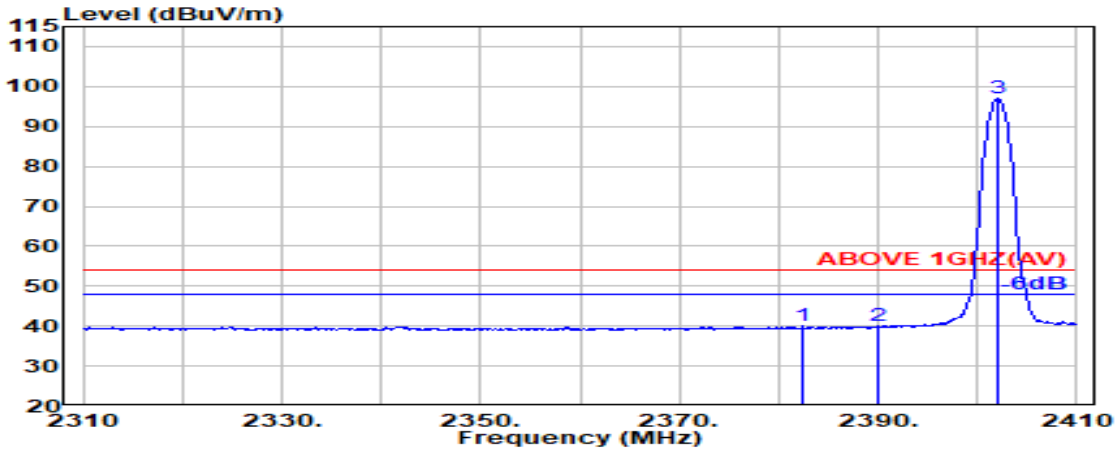
Mode	8-DPSK	Frequency	TX 2402MHz



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
	2327.400	28.32	5.94	34.49	52.58	52.35	74.00	21.65	Peak
	2390.000	28.18	6.03	34.51	51.32	51.03	74.00	22.97	Peak
@	2402.100	28.11	6.05	34.51	99.74	99.39	---	---	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
	2382.400	28.24	6.02	34.51	40.23	39.99	54.00	14.01	Average
	2390.000	28.18	6.03	34.51	40.21	39.91	54.00	14.09	Average
@	2402.100	28.11	6.05	34.51	97.28	96.94	---	---	Average

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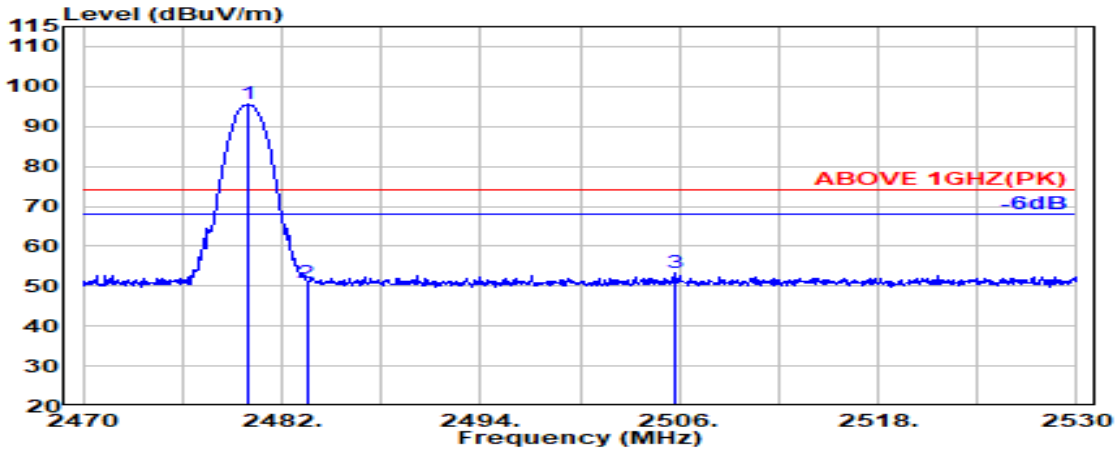
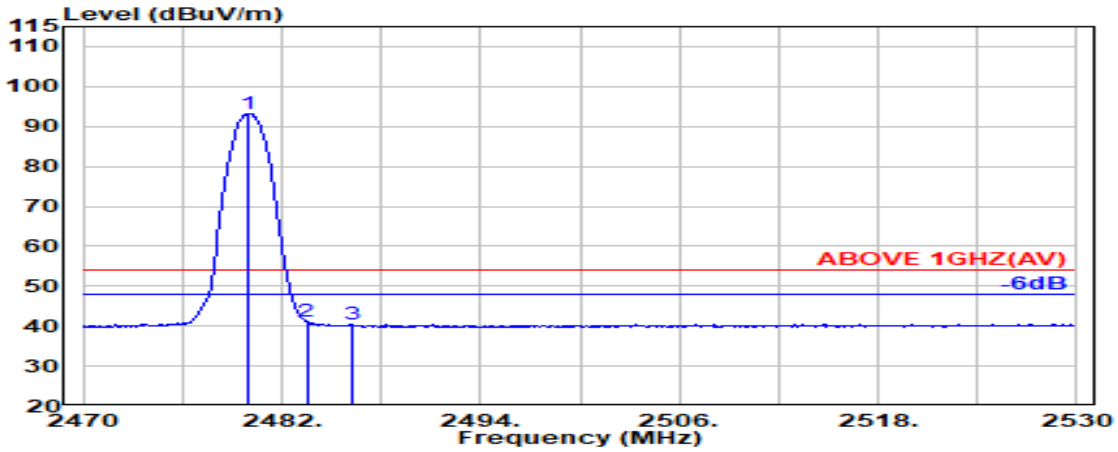
Mode	8-DPSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.950	28.46	6.16	34.53	95.54	95.63	---	---	Peak
	2483.500	28.47	6.17	34.53	50.87	50.98	74.00	23.02	Peak
	2505.800	28.54	6.20	34.53	52.99	53.19	74.00	20.81	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	28.46	6.16	34.53	93.10	93.20	---	---	Average
	2483.500	28.47	6.17	34.53	40.92	41.03	54.00	12.97	Average
	2486.200	28.47	6.17	34.53	40.41	40.53	54.00	13.47	Average

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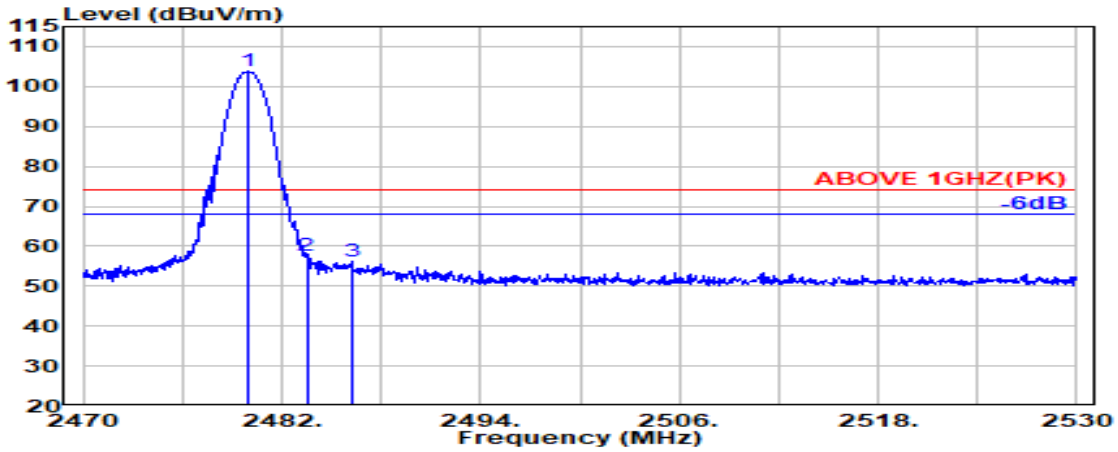
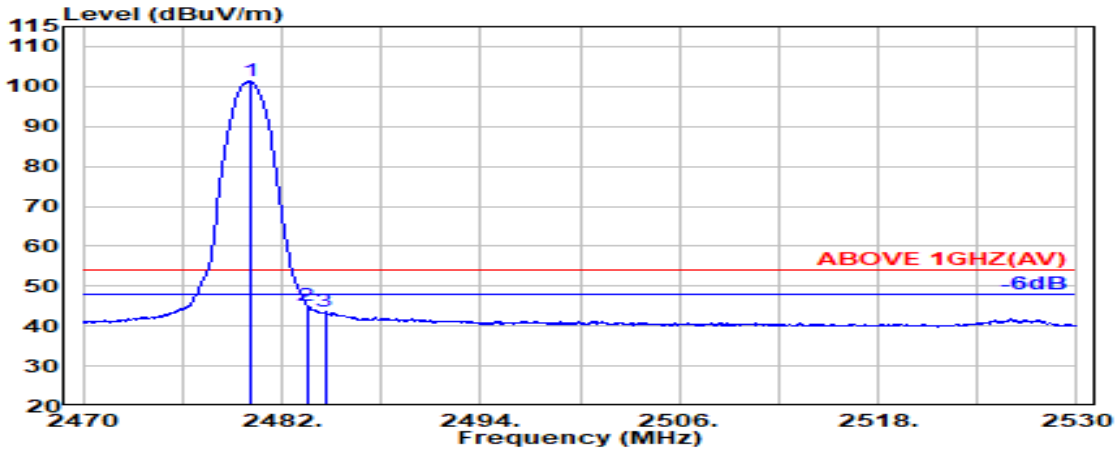
Mode	8-DPSK	Frequency	TX 2480MHz



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
@	2479.950	28.46	6.16	34.53	103.68	103.77	---	---	Peak
	2483.500	28.47	6.17	34.53	57.39	57.50	74.00	16.50	Peak
	2486.200	28.47	6.17	34.53	56.04	56.15	74.00	17.85	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
@	2480.050	28.46	6.16	34.53	101.12	101.22	---	---	Average
	2483.500	28.47	6.17	34.53	45.12	45.23	54.00	8.77	Average
	2484.600	28.47	6.17	34.53	43.37	43.48	54.00	10.52	Average

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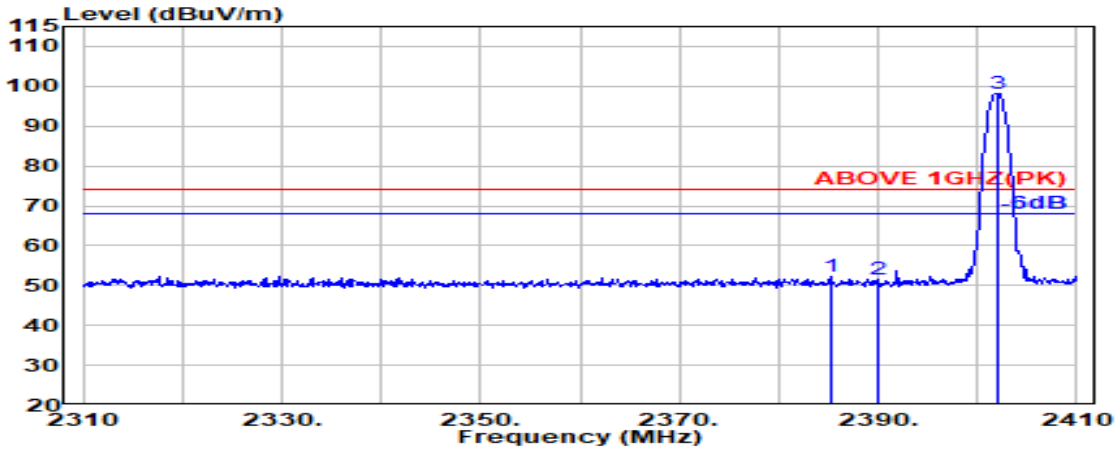
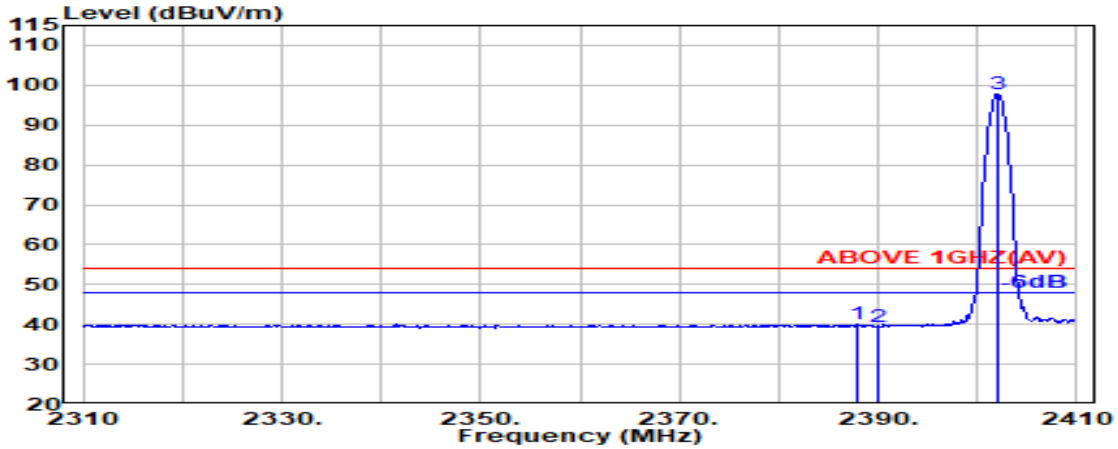
Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

Mode	GFSK	Frequency	TX 2402MHz



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
	2385.200	28.22	6.03	34.51	52.53	52.27	74.00	21.73	Peak
	2390.000	28.18	6.03	34.51	51.68	51.38	74.00	22.62	Peak
@	2402.100	28.11	6.05	34.51	98.47	98.12	---	---	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
	2388.000	28.20	6.03	34.51	40.42	40.14	54.00	13.86	Average
	2390.000	28.18	6.03	34.51	39.82	39.53	54.00	14.47	Average
@	2402.000	28.11	6.05	34.51	98.06	97.71	---	---	Average

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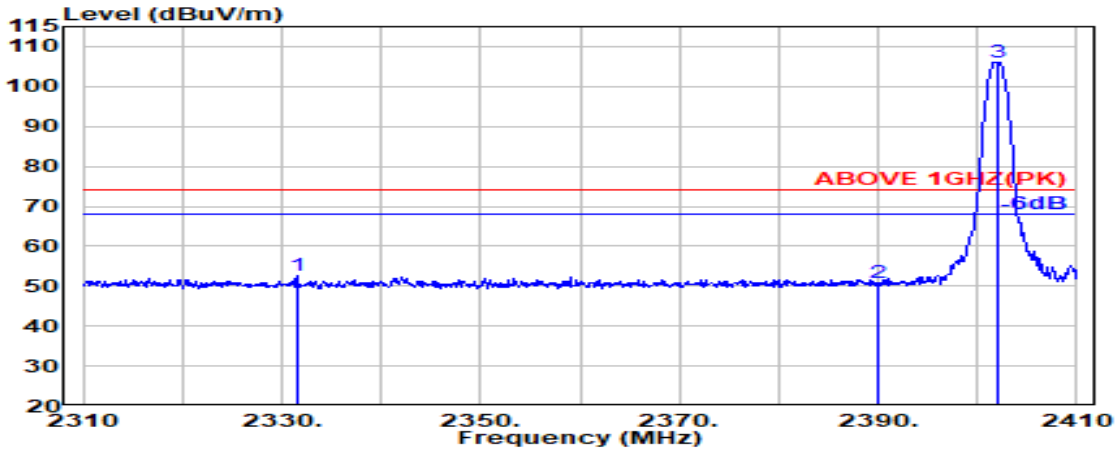
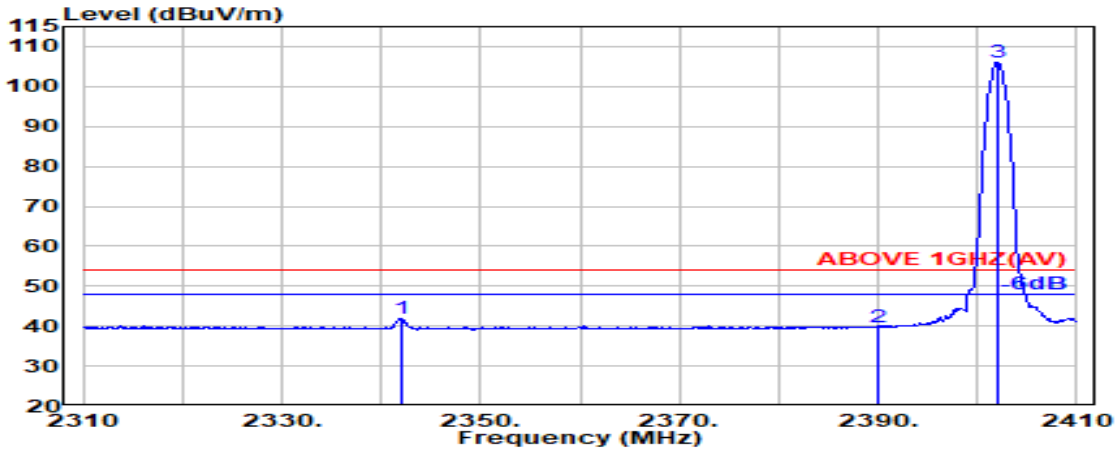
Mode	GFSK	Frequency	TX 2402MHz



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
	2331.500	28.35	5.95	34.50	52.76	52.57	74.00	21.43	Peak
	2390.000	28.18	6.03	34.51	51.26	50.96	74.00	23.04	Peak
@	2402.100	28.11	6.05	34.51	106.48	106.13	---	---	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
	2342.100	28.44	5.96	34.50	41.85	41.75	54.00	12.25	Average
	2390.000	28.18	6.03	34.51	39.95	39.66	54.00	14.34	Average
@	2402.000	28.11	6.05	34.51	106.33	105.98	---	---	Average

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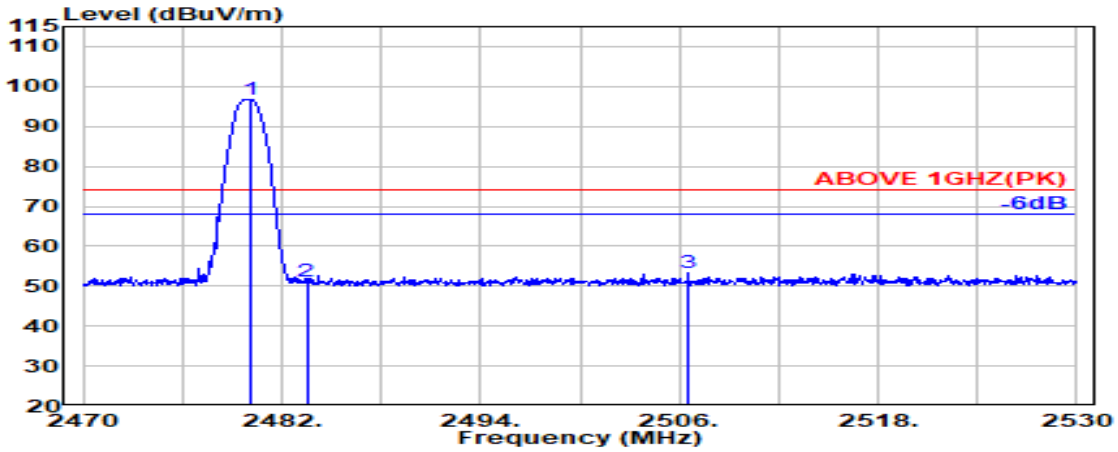
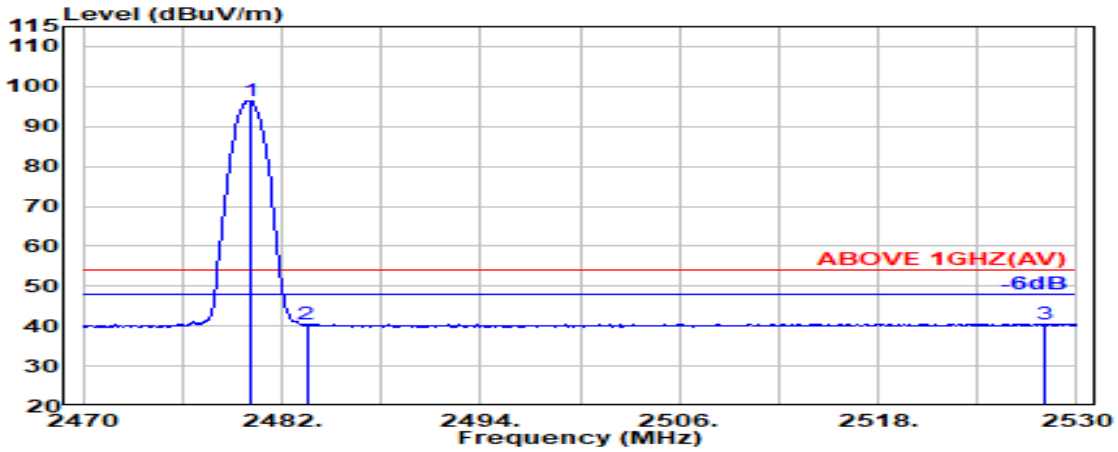
Mode	GFSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.150	28.46	6.16	34.53	96.67	96.77	---	---	Peak
	2483.500	28.47	6.17	34.53	51.12	51.23	74.00	22.77	Peak
	2506.500	28.54	6.20	34.53	53.29	53.49	74.00	20.51	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
@	2480.050	28.46	6.16	34.53	96.42	96.51	---	---	Average
	2483.500	28.47	6.17	34.53	40.25	40.36	54.00	13.64	Average
	2528.100	28.67	6.22	34.54	40.20	40.56	54.00	13.44	Average

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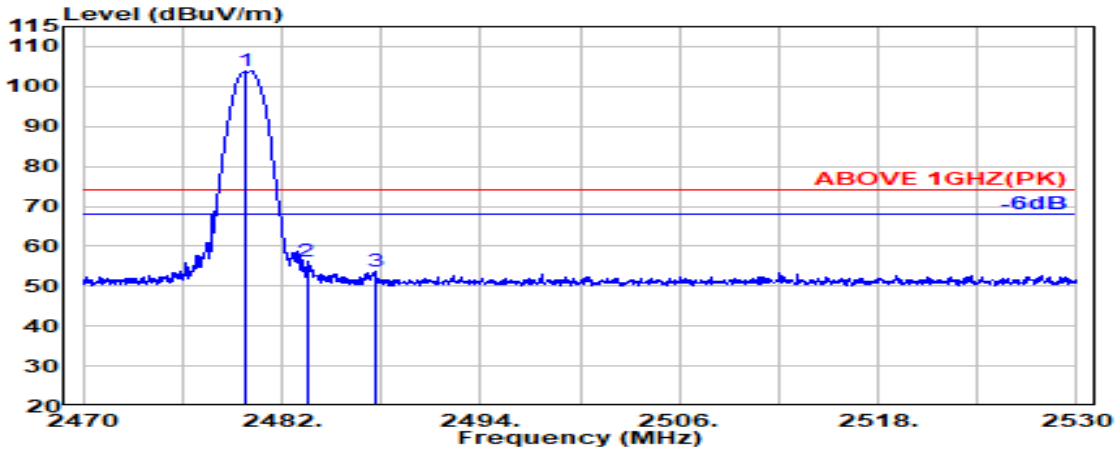
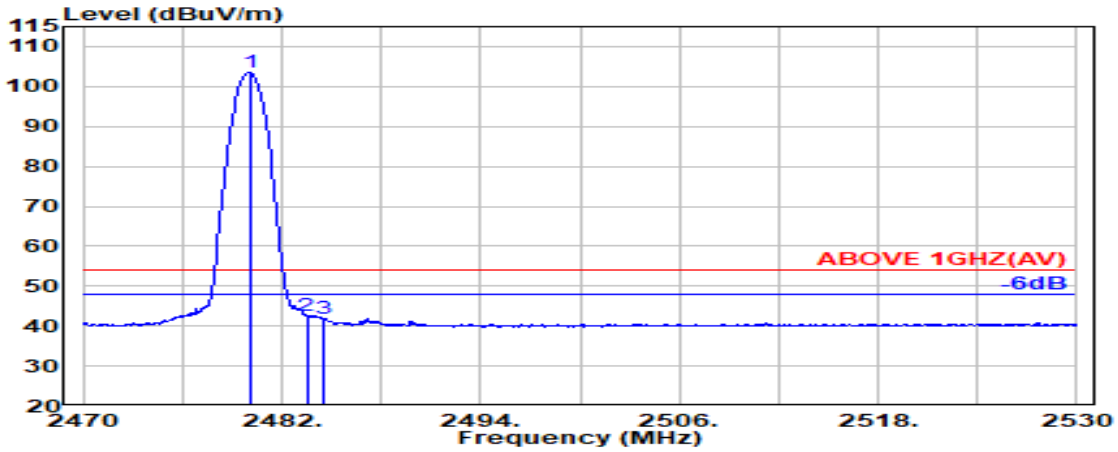
Mode	GFSK	Frequency	TX 2480MHz



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
@	2479.800	28.46	6.16	34.53	103.65	103.74	---	---	Peak
	2483.500	28.47	6.17	34.53	56.21	56.32	74.00	17.68	Peak
	2487.600	28.48	6.17	34.53	53.50	53.62	74.00	20.38	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
@	2480.050	28.46	6.16	34.53	103.47	103.57	---	---	Average
	2483.500	28.47	6.17	34.53	42.42	42.52	54.00	11.48	Average
	2484.550	28.47	6.17	34.53	41.68	41.79	54.00	12.21	Average

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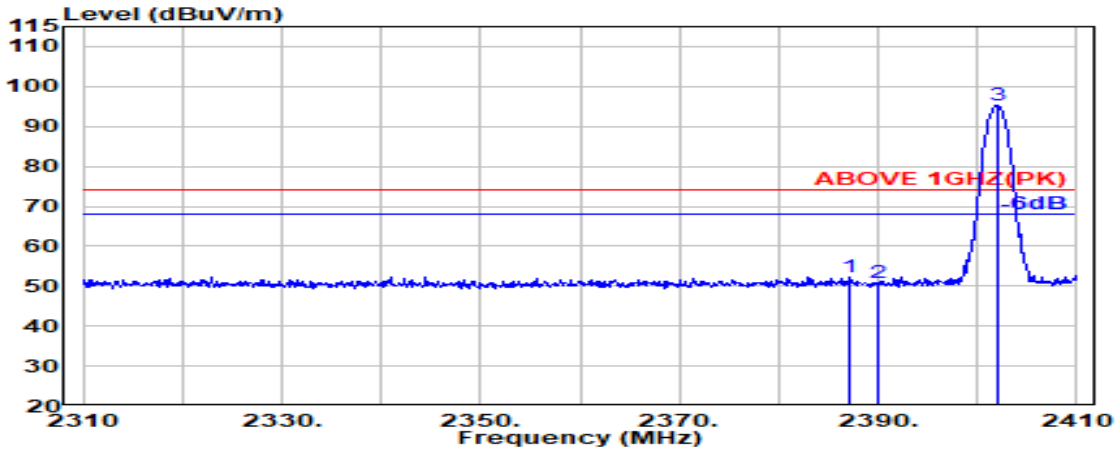
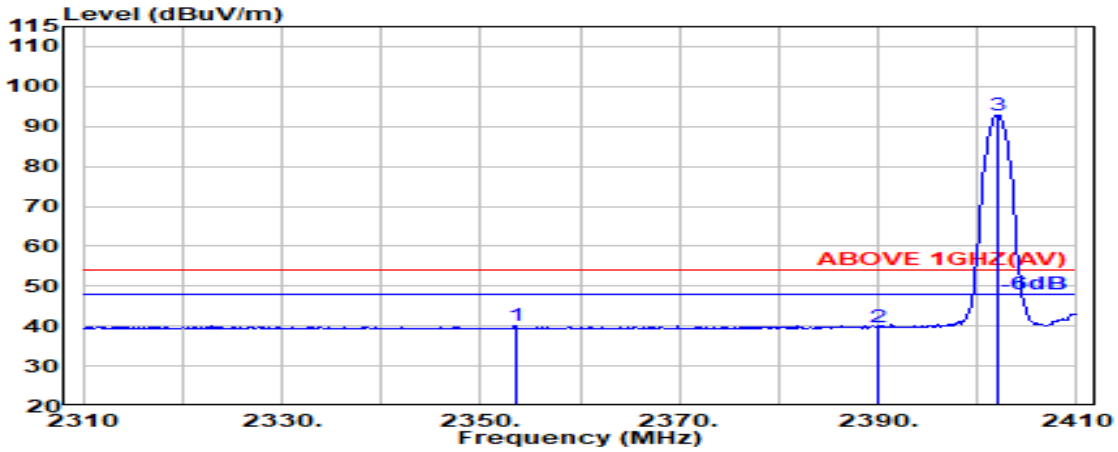
Mode	8-DPSK	Frequency	TX 2402MHz



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
	2387.000	28.20	6.03	34.51	52.71	52.43	74.00	21.57	Peak
	2390.000	28.18	6.03	34.51	51.04	50.75	74.00	23.25	Peak
@	2402.000	28.11	6.05	34.51	95.63	95.28	---	---	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
	2353.500	28.47	5.98	34.50	40.18	40.13	54.00	13.87	Average
	2390.000	28.18	6.03	34.51	39.87	39.58	54.00	14.42	Average
@	2402.100	28.11	6.05	34.51	93.23	92.89	---	---	Average

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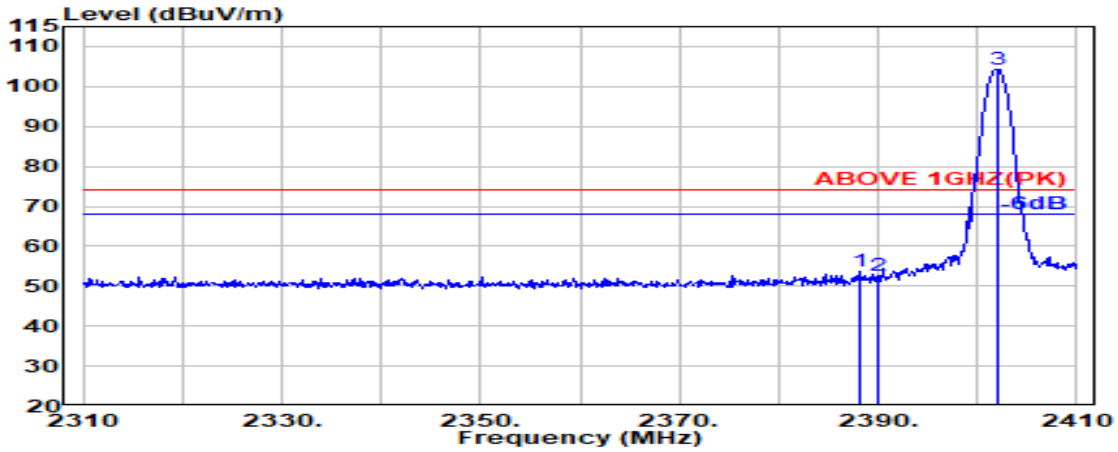
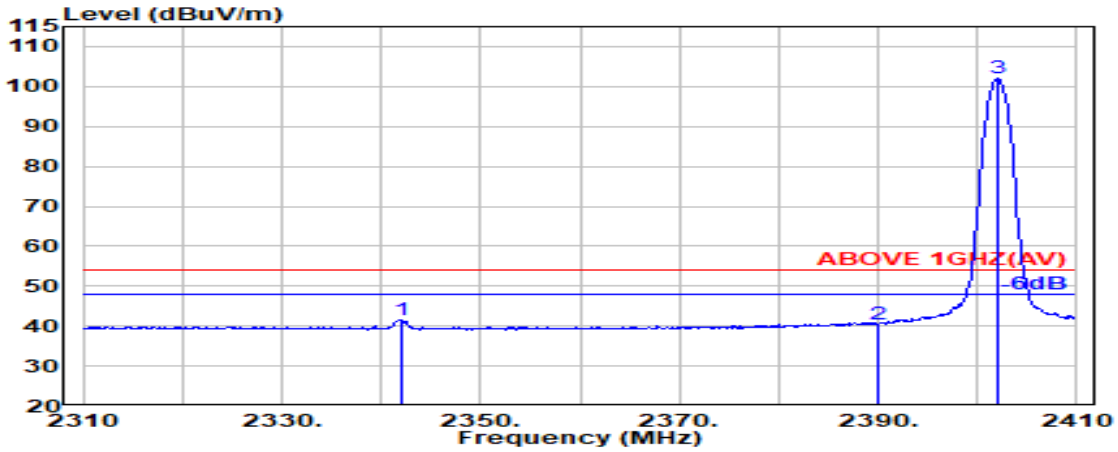
Mode	8-DPSK	Frequency	TX 2402MHz



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
	2388.100	28.19	6.03	34.51	53.92	53.64	74.00	20.36	Peak
	2390.000	28.18	6.03	34.51	52.89	52.60	74.00	21.40	Peak
@	2402.000	28.11	6.05	34.51	104.73	104.38	---	---	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
	2342.000	28.44	5.96	34.50	41.64	41.55	54.00	12.45	Average
	2390.000	28.18	6.03	34.51	40.85	40.55	54.00	13.45	Average
@	2402.000	28.11	6.05	34.51	102.28	101.93	---	---	Average

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

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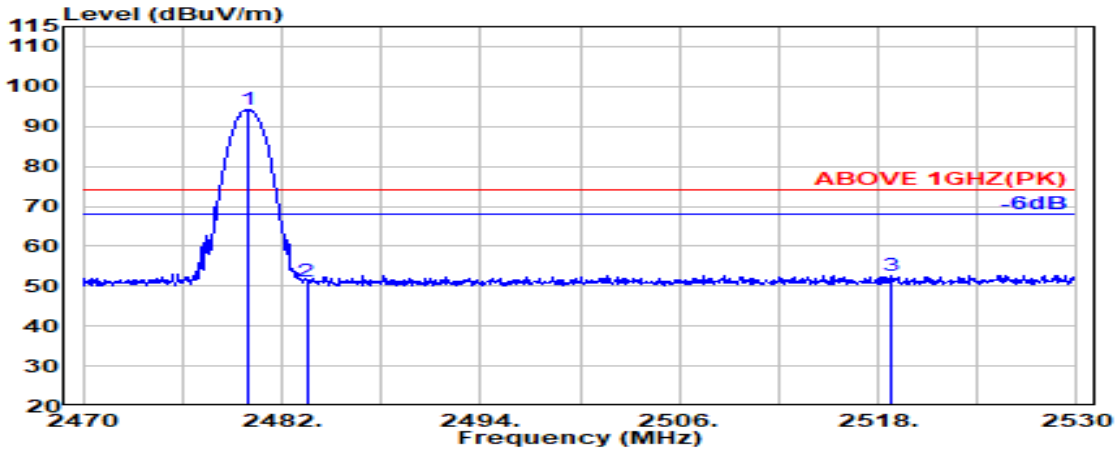
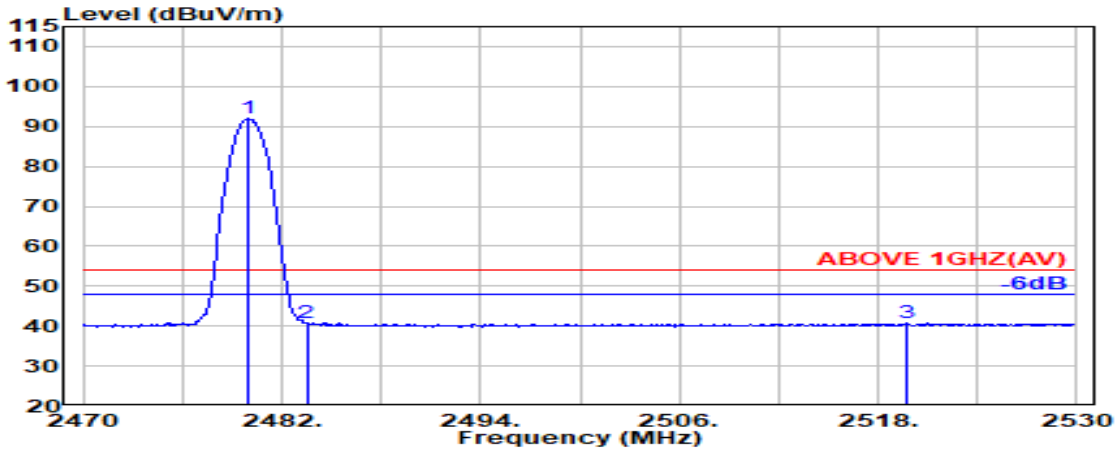
Mode	8-DPSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.950	28.46	6.16	34.53	94.21	94.31	---	---	Peak
	2483.500	28.47	6.17	34.53	51.00	51.10	74.00	22.90	Peak
	2518.850	28.61	6.21	34.53	52.46	52.76	74.00	21.24	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	28.46	6.16	34.53	91.82	91.92	---	---	Average
	2483.500	28.47	6.17	34.53	40.63	40.74	54.00	13.26	Average
	2519.700	28.62	6.21	34.53	40.42	40.72	54.00	13.28	Average

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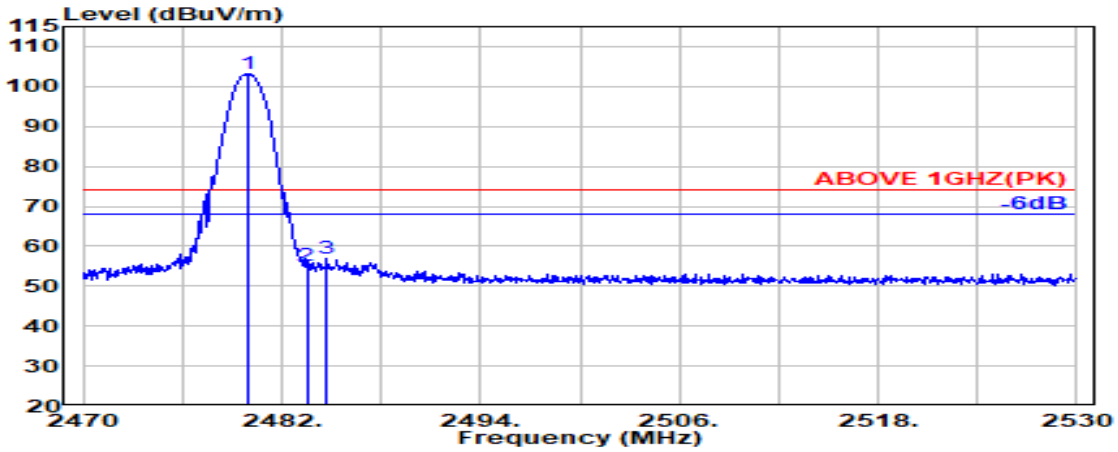
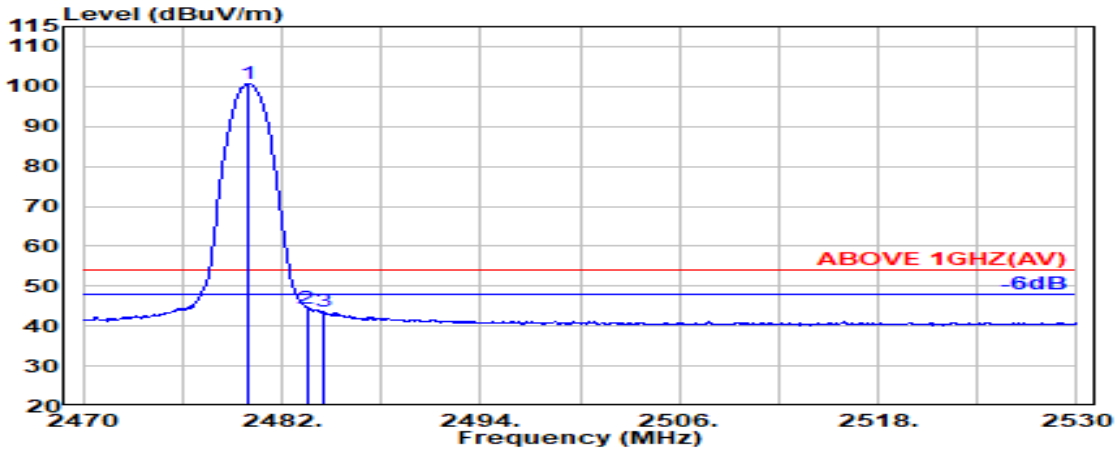
Mode	8-DPSK	Frequency	TX 2480MHz



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
@	2479.900	28.46	6.16	34.53	103.15	103.25	---	---	Peak
	2483.500	28.47	6.17	34.53	55.09	55.20	74.00	18.80	Peak
	2484.650	28.47	6.17	34.53	56.78	56.89	74.00	17.11	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.000	28.46	6.16	34.53	100.52	100.62	---	---	Average
	2483.500	28.47	6.17	34.53	44.38	44.49	54.00	9.51	Average
	2484.500	28.47	6.17	34.53	43.52	43.63	54.00	10.37	Average

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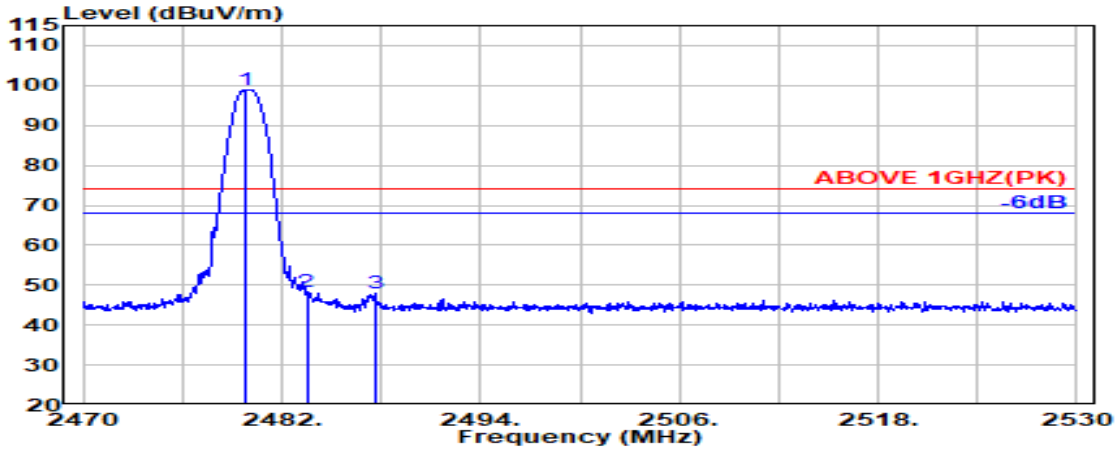
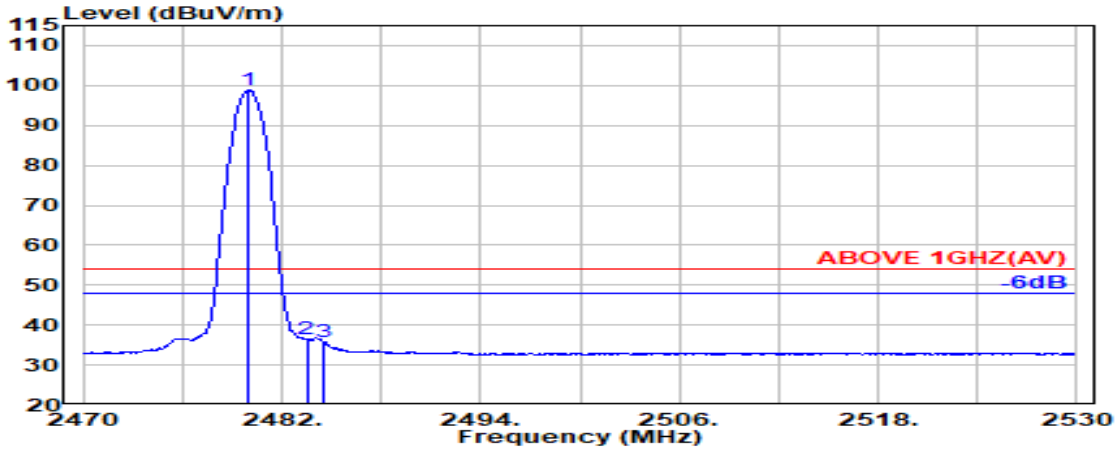
Spot Check with SKU #2 (with INAPQ ANT)

Mode	8-DPSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.800	28.46	6.16	34.53	98.89	98.98	---	---	Peak
	2483.500	28.47	6.17	34.53	48.18	48.29	74.00	25.71	Peak
	2487.600	28.48	6.17	34.53	47.94	48.06	74.00	25.94	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	28.46	6.16	34.53	98.70	98.80	---	---	Average
	2483.500	28.47	6.17	34.53	36.34	36.45	54.00	17.55	Average
	2484.500	28.47	6.17	34.53	35.68	35.79	54.00	18.21	Average

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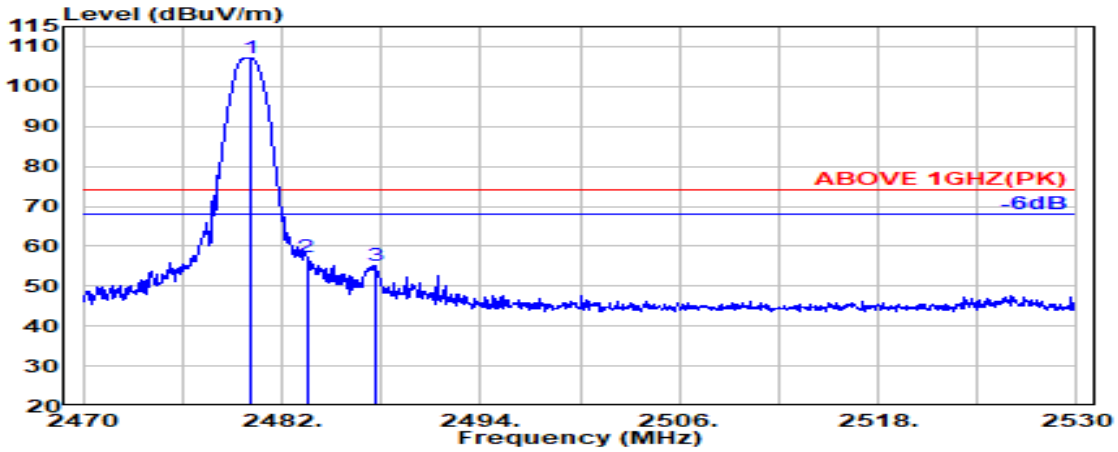
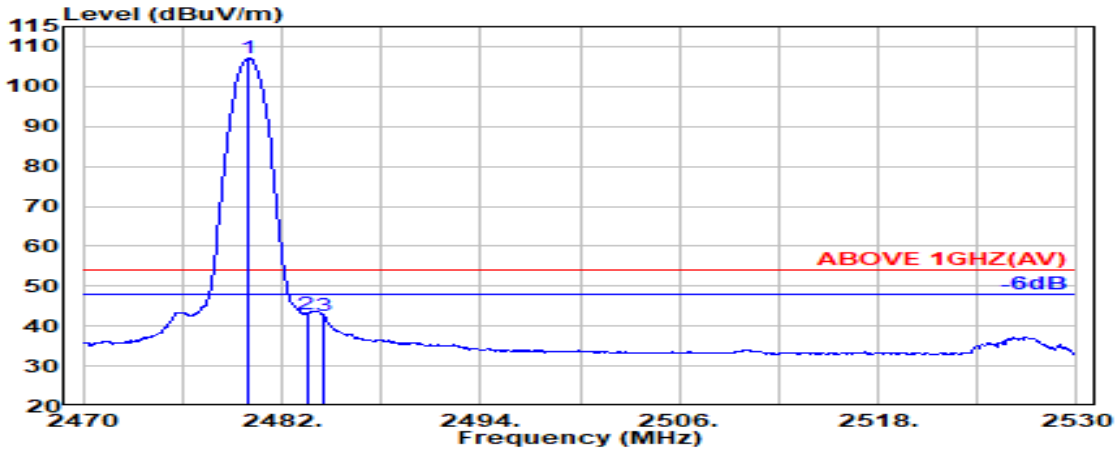
Mode	8-DPSK	Frequency	TX 2480MHz



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
@	2480.150	28.46	6.16	34.53	107.10	107.20	---	---	Peak
	2483.500	28.47	6.17	34.53	57.26	57.37	74.00	16.63	Peak
	2487.600	28.48	6.17	34.53	54.98	55.10	74.00	18.90	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
@	2480.000	28.46	6.16	34.53	106.95	107.05	---	---	Average
	2483.500	28.47	6.17	34.53	42.94	43.05	54.00	10.95	Average
	2484.500	28.47	6.17	34.53	42.46	42.58	54.00	11.42	Average

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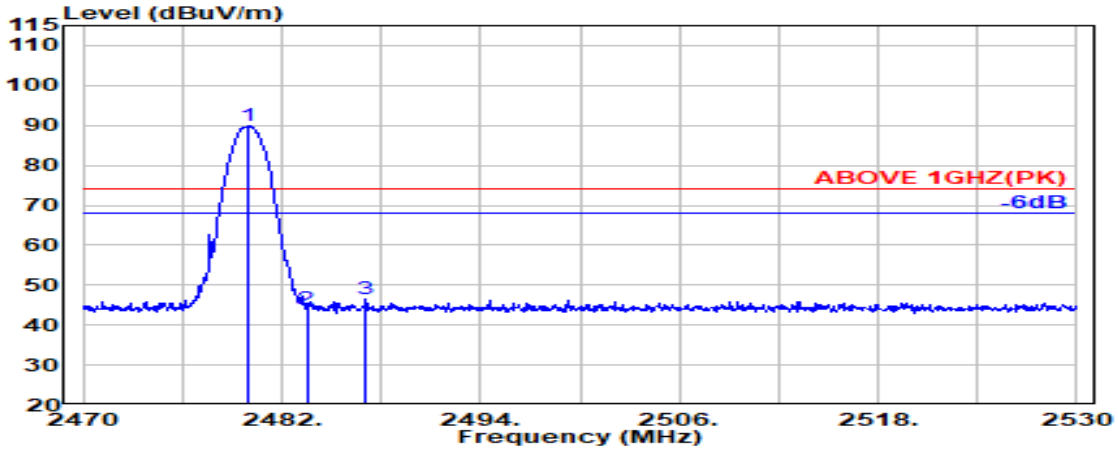
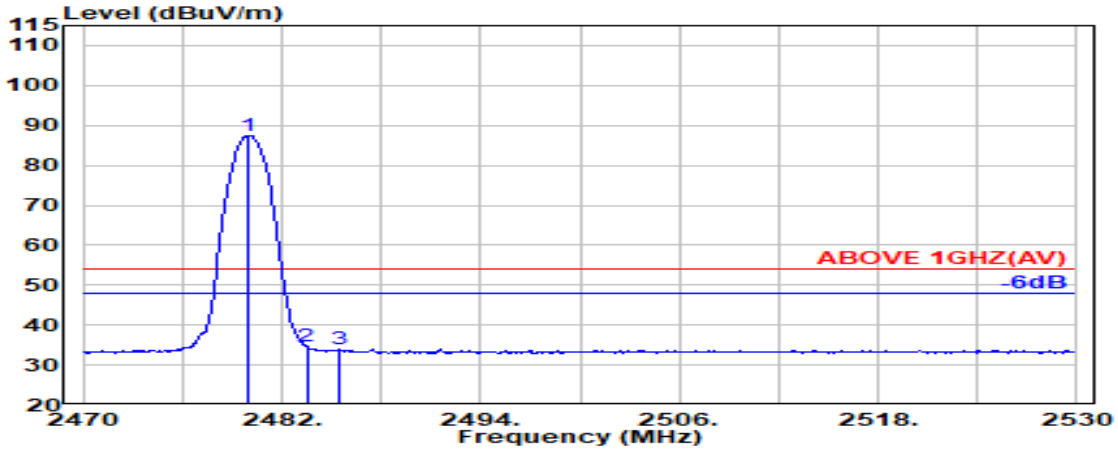
Spot Check with SKU #2 (with LUXSHARE-ICT ANT)

Mode	8-DPSK	Frequency	TX 2480MHz



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.000	28.46	6.16	34.53	89.82	89.92	---	---	Peak
	2483.500	28.47	6.17	34.53	43.91	44.02	74.00	29.98	Peak
	2487.050	28.47	6.17	34.53	46.44	46.56	74.00	27.44	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	28.46	6.16	34.53	87.46	87.56	---	---	Average
	2483.500	28.47	6.17	34.53	34.46	34.57	54.00	19.43	Average
	2485.500	28.47	6.17	34.53	33.75	33.86	54.00	20.14	Average

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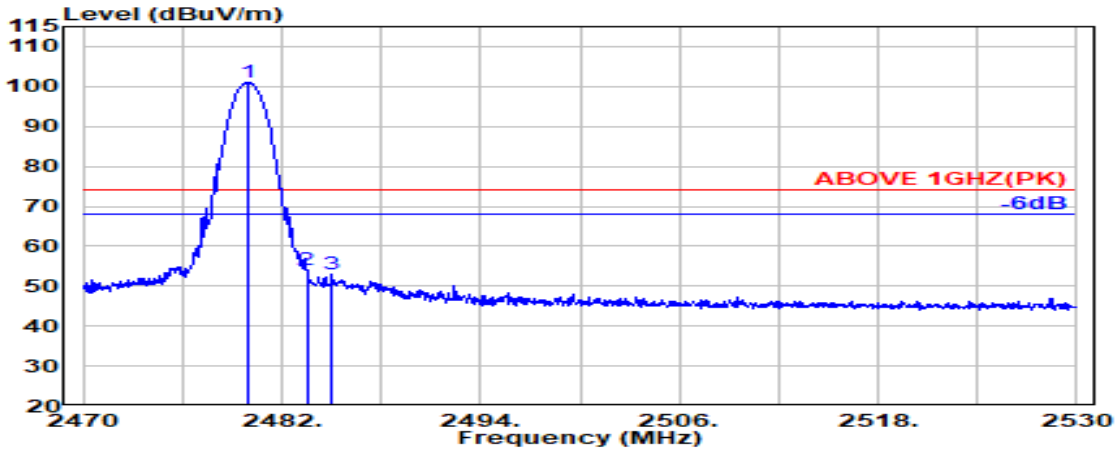
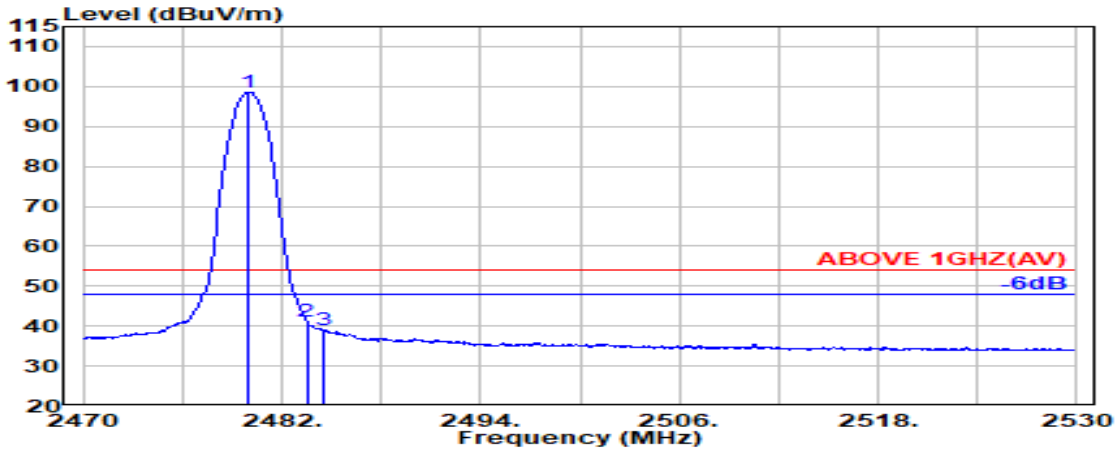
Mode	8-DPSK	Frequency	TX 2480MHz



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
@	2479.900	28.46	6.16	34.53	100.97	101.07	---	---	Peak
	2483.500	28.47	6.17	34.53	53.94	54.05	74.00	19.95	Peak
	2485.050	28.47	6.17	34.53	52.77	52.88	74.00	21.12	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
@	2480.000	28.46	6.16	34.53	98.38	98.47	---	---	Average
	2483.500	28.47	6.17	34.53	40.96	41.07	54.00	12.93	Average
	2484.500	28.47	6.17	34.53	38.83	38.95	54.00	15.05	Average

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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.

Test SKU: SKU #1 (With INPAQ ANT)

Mode	GFSK	Frequency	TX 2402MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	36.18	43.08	54.00	10.92	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	38.82	45.72	54.00	8.28	Peak

Mode	GFSK	Frequency	TX 2441MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	35.99	43.17	54.00	10.83	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	35.88	43.06	54.00	10.94	Peak

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.40	8.42	34.41	36.01	43.42	54.00	10.58	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.40	8.42	34.41	36.58	44.00	54.00	10.00	Peak

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Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

Mode	GFSK	Frequency	TX 2402MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	37.06	43.96	54.00	10.04	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	36.39	43.28	54.00	10.72	Peak

Mode	GFSK	Frequency	TX 2441MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	37.06	44.24	54.00	9.76	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	35.73	42.92	54.00	11.08	Peak

Mode	GFSK	Frequency	TX 2480MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.40	8.42	34.41	34.97	42.39	54.00	11.61	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.40	8.42	34.41	35.87	43.29	54.00	10.71	Peak

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Spot Check with SKU #2 (with INAPQ ANT)

Mode	GFSK	Frequency	TX 2402MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	35.70	42.60	54.00	11.40	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.01	8.32	34.43	36.18	43.08	54.00	10.92	Peak

Spot Check with SKU #2 (with LUXSHARE-ICT ANT)

Mode	GFSK	Frequency	TX 2441MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	36.32	43.50	54.00	10.50	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.000	33.23	8.38	34.42	37.23	44.41	54.00	9.59	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.

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A.3 20dB BANDWIDTH

Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
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	0.9234	0.87079	0.616
	2441	0.9223	0.85939	0.615
	2480	0.9228	0.86709	0.615
8-DPSK	2402	1.404	1.3581	0.936
	2441	1.414	1.3629	0.943
	2480	1.486	1.3669	0.991

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

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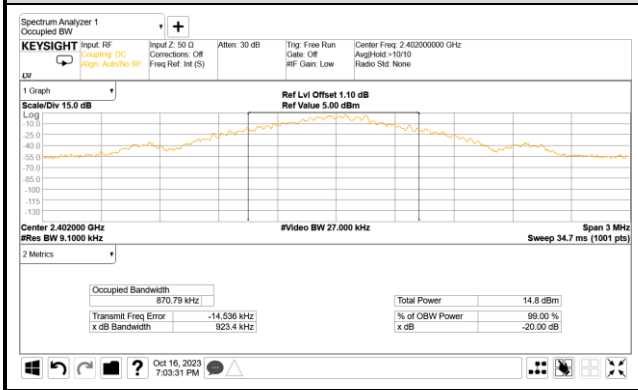
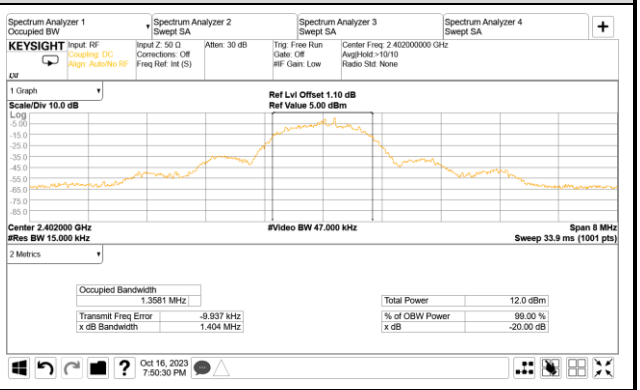
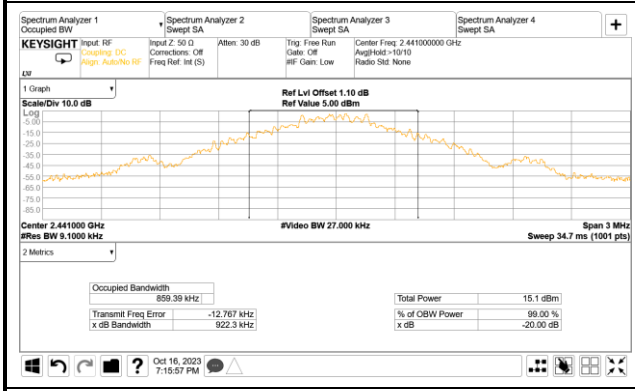
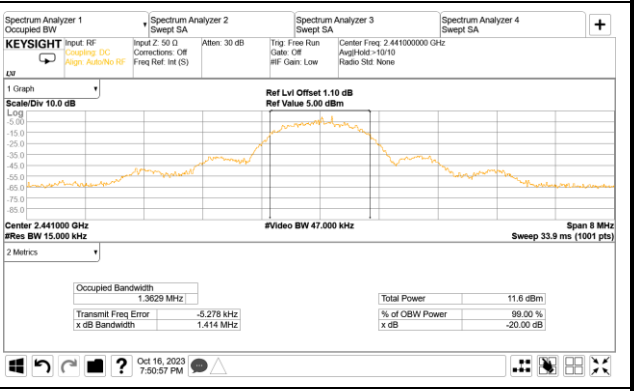
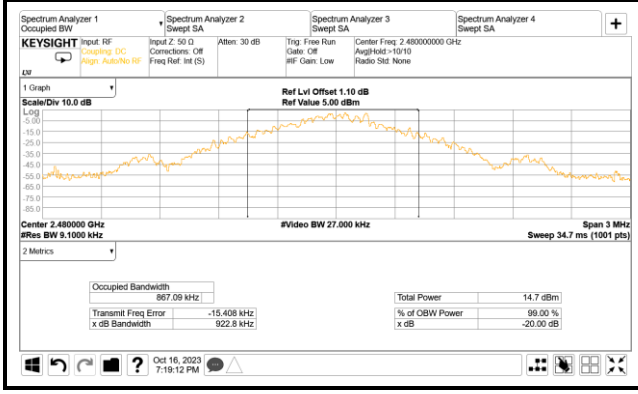
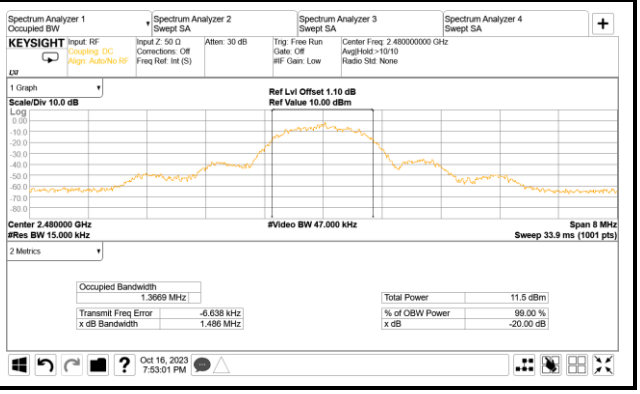
A.3.2 Measurement Plots

GFSK	8-DPSK
	
	
	

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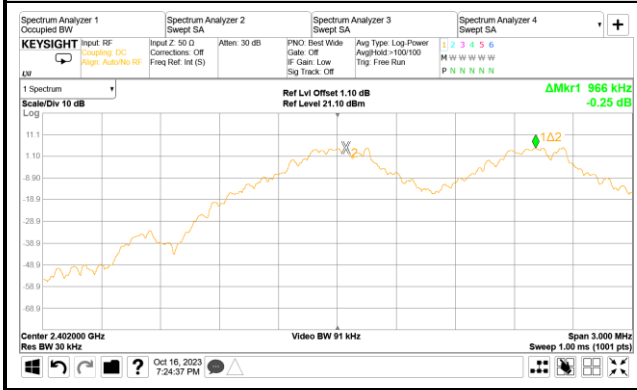
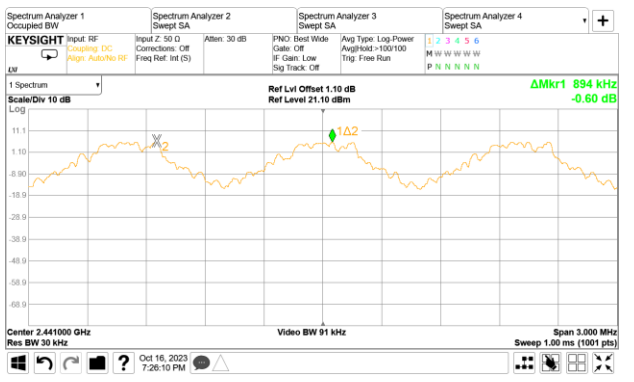
A.4 CARRIER FREQUENCY SEPARATION

Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

<table>
<tr><th colspan="2">GFSK</th></tr>
<tr><td rowspan="2">2402MHz</td><td>2441MHz</td></tr>
<tr><td>adjacent channel of left carrier frequency</td></tr>
<tr><td> 
</td><td> 
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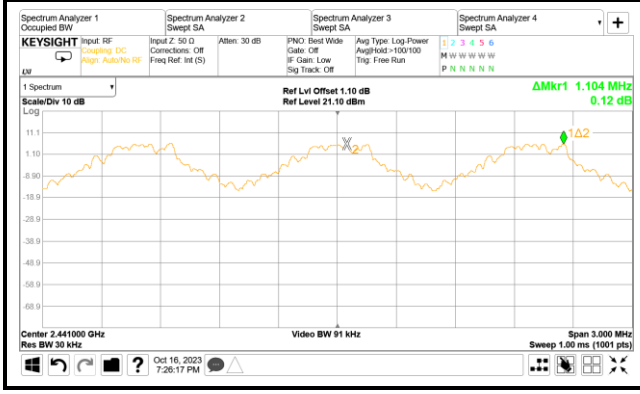
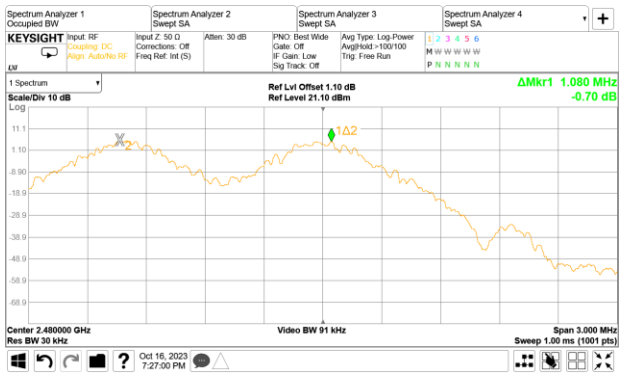
adjacent channel of right carrier frequency</td><td rowspan="2">2480MHz</td></tr>
<tr><td> 
</td><td> 
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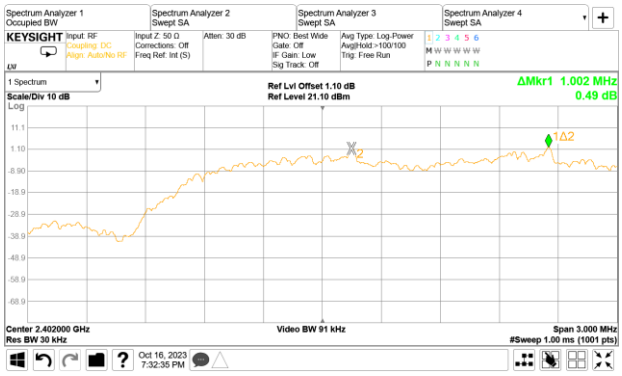
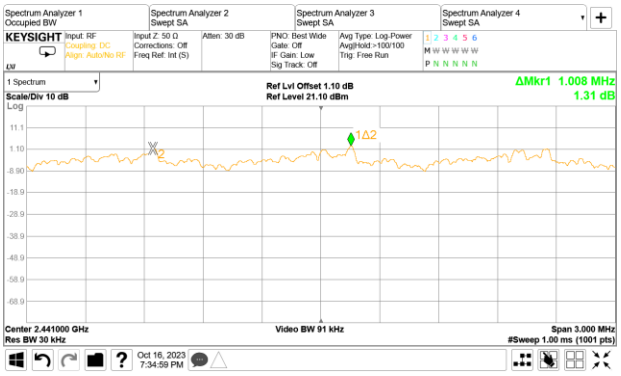
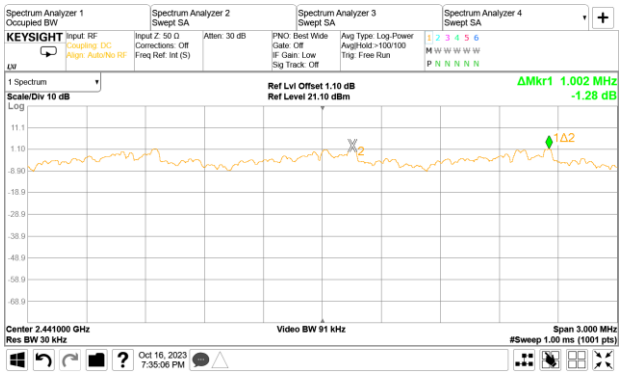
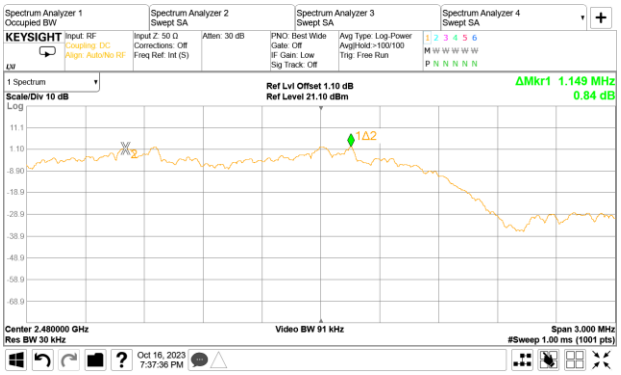
8-DPSK	
2402MHz	2441MHz adjacent channel of left carrier frequency
	
2441MHz adjacent channel of right carrier frequency	2480MHz
	

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A.5 TIME OF OCCUPANCY

Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
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	0.390	123.240	<400
		DH3	5	1.640	259.120	<400
		DH5	3	2.890	273.972	<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* **0.390** ms= **123.240** ms (<400ms)

DH3 Mode
For each second of **5** transmission appearance,the longest time of occupancy is
5 transmission* **31.6** seconds* **1.640** ms= **259.120** ms (<400ms)

DH5 Mode
For each second of **3** transmission appearance,the longest time of occupancy is
3 transmission* **31.6** seconds* **2.890** 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)
GFSK	2441	DH1	10	0.380	120.080	<400
		DH3	5	1.640	259.120	<400
		DH5	3	2.880	273.024	<400

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

DH1 Mode
For each second of **10** transmission appearance,the longest time of occupancy is
10 transmission* **31.6** seconds* **0.380** ms= **120.080** ms (<400ms)

DH3 Mode
For each second of **5** transmission appearance,the longest time of occupancy is
5 transmission* **31.6** seconds* **1.640** ms= **259.120** ms (<400ms)

DH5 Mode
For each second of **3** transmission appearance,the longest time of occupancy is
3 transmission* **31.6** seconds* **2.880** ms= **273.024** ms (<400ms)

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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	2	1.640	103.648	<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 **2** transmission appearance,the longest time of occupancy is
2 transmission* **31.6** seconds* **1.640** ms= **103.648** ms (<400ms)

DH5 Mode

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

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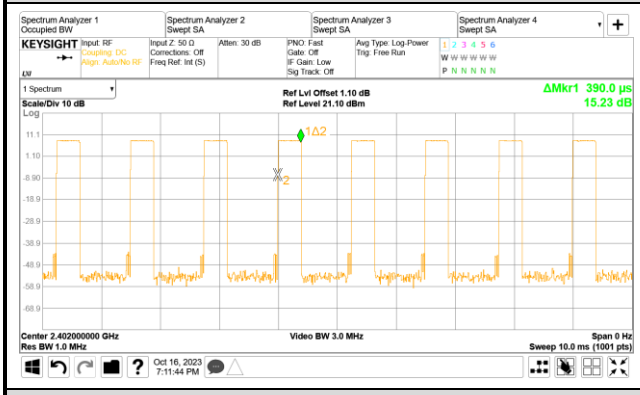
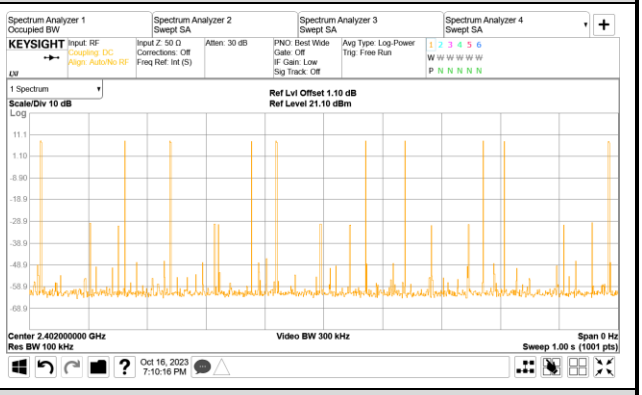
- Measurement Plots

GFSK	
2402MHz	
DH1	
	
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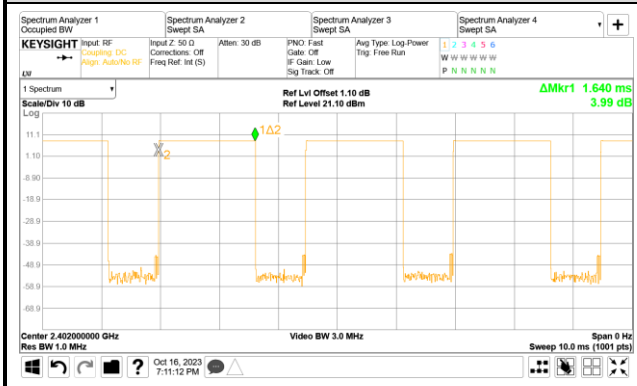	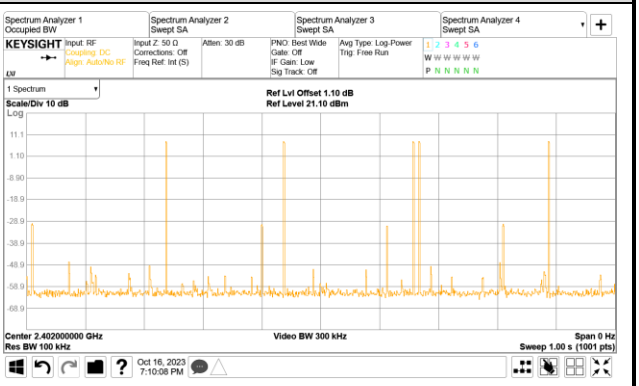
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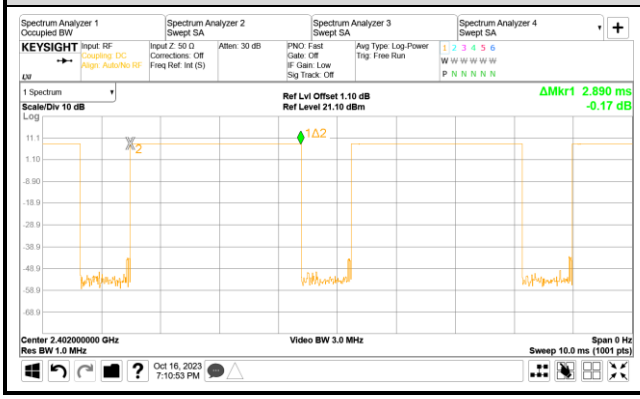	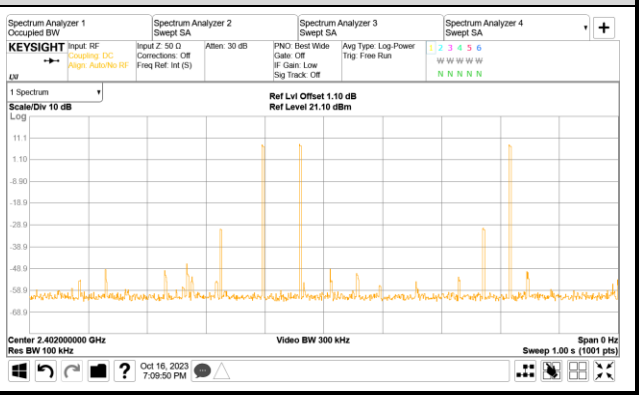

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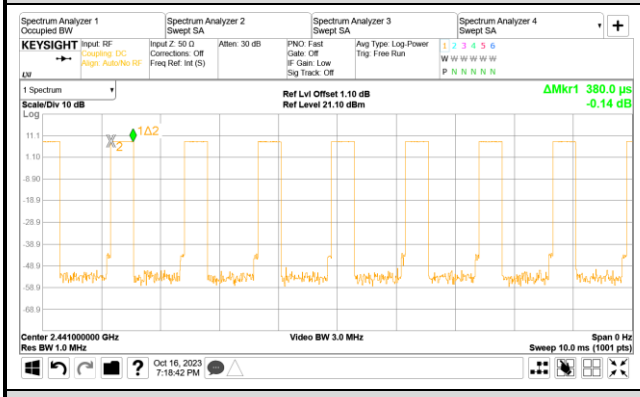
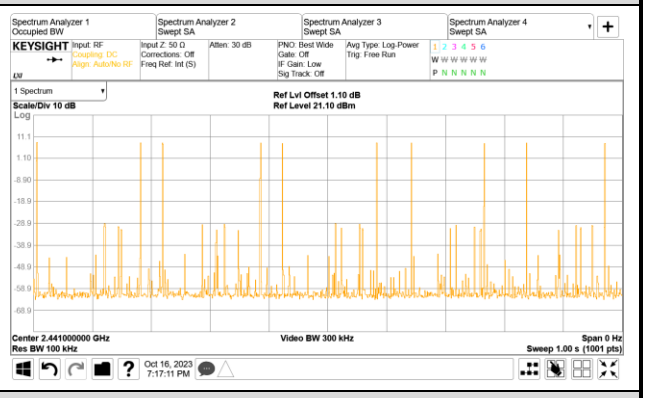
GFSK	
2441MHz	
DH1	
	
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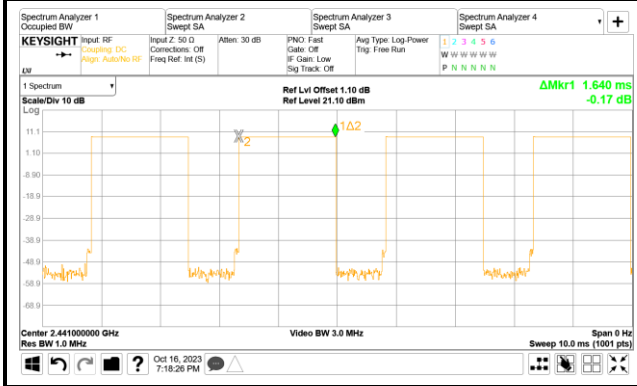	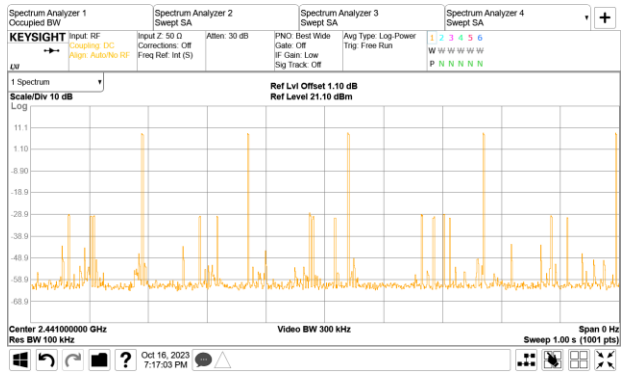
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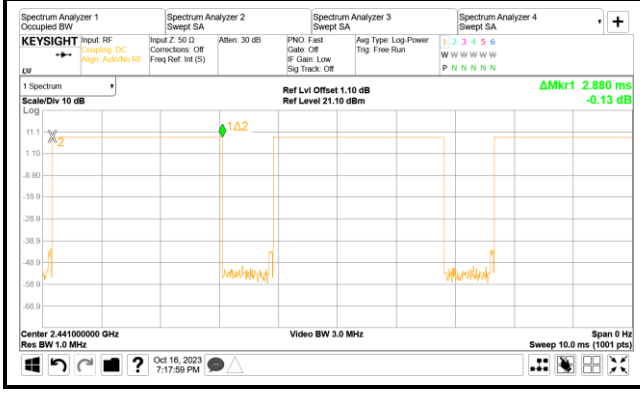	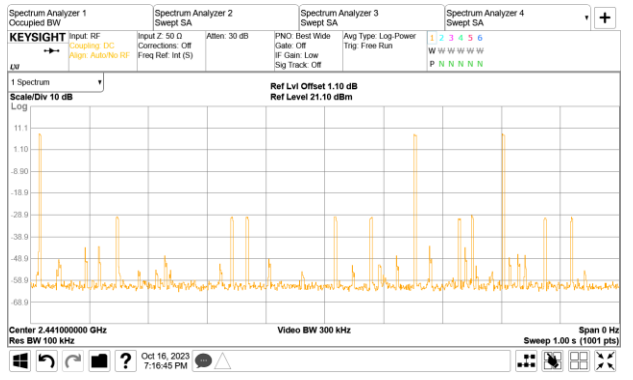

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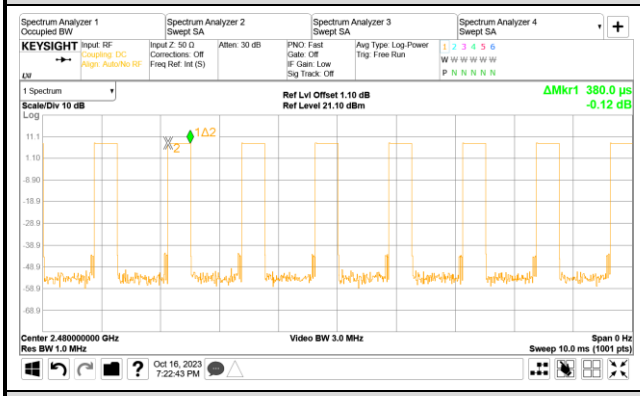
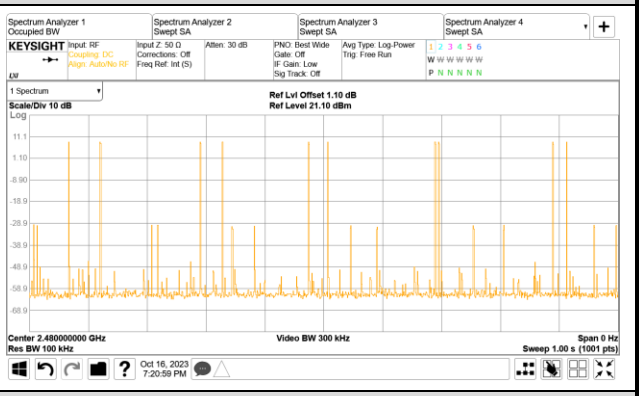
GFSK	
2480MHz	
DH1	
	
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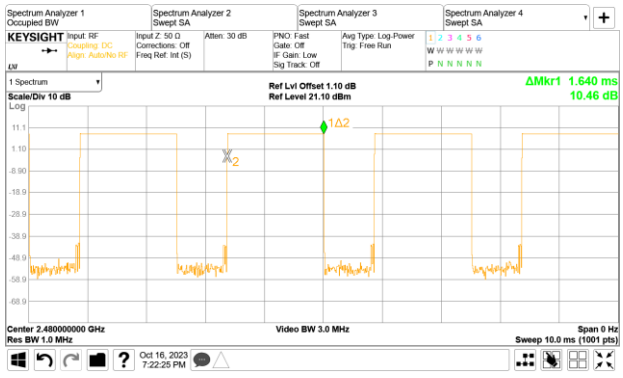	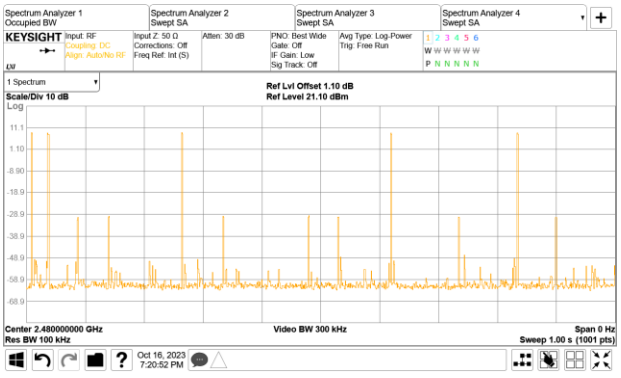
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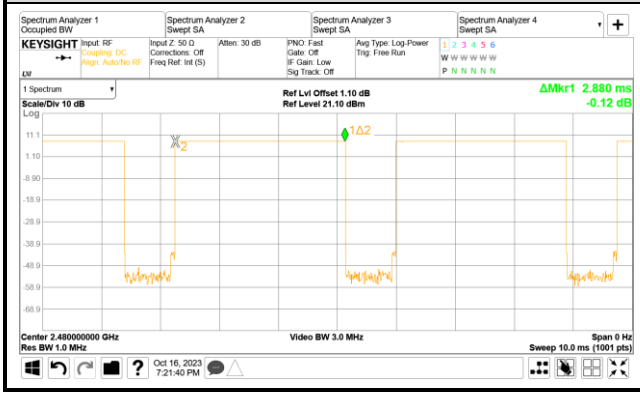	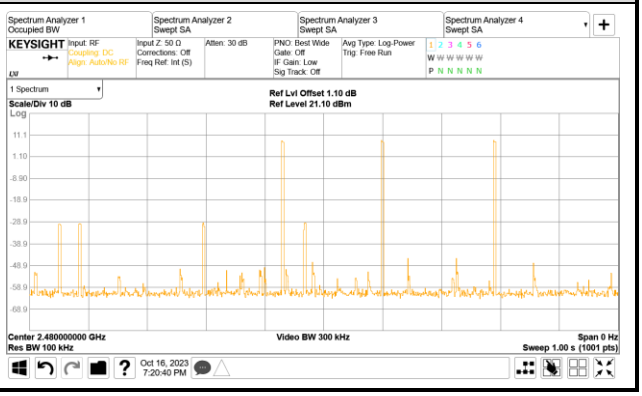

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Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2402	3DH1	10	0.390	123.240	<400
		3DH3	5	1.640	259.120	<400
		3DH5	3	2.890	273.972	<400

Observation Period:

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

3DH1 Mode

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

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

3DH3 Mode

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

5 transmission* **31.6** seconds* **1.640** ms= **259.120** ms (<400ms)

3DH5 Mode

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

3 transmission* **31.6** seconds* **2.890** ms= **273.972** ms (<400ms)

Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2441	3DH1	10	0.390	123.240	<400
		3DH3	5	1.640	259.120	<400
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Observation Period:

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

3DH1 Mode

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

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

3DH3 Mode

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

5 transmission* **31.6** seconds* **1.640** ms= **259.120** ms (<400ms)

3DH5 Mode

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

3 transmission* **31.6** seconds* **2.890** ms= **273.972** ms (<400ms)

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Mode	Centre Frequency (MHz)	Mode	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
8-DPSK	2480	3DH1	10	0.390	123.240	<400
		3DH3	5	1.640	259.120	<400
		3DH5	3	2.890	273.972	<400

Observation Period:

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

3DH1 Mode

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

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

3DH3 Mode

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

5 transmission* **31.6** seconds* **1.640** ms= **259.120** ms (<400ms)

3DH5 Mode

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

3 transmission* **31.6** seconds* **2.890** ms= **273.972** ms (<400ms)

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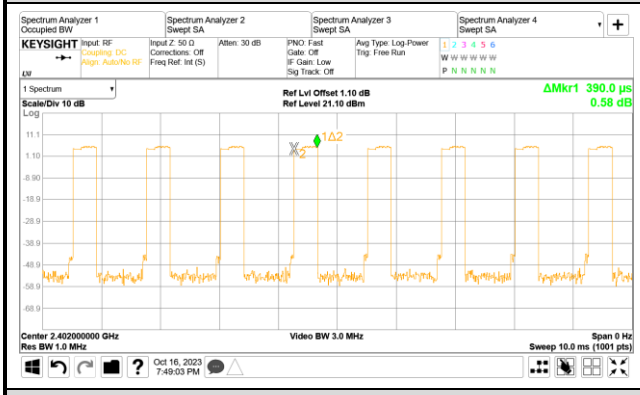
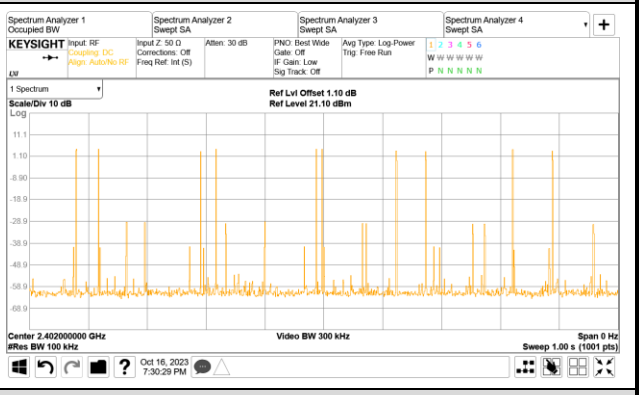
- Measurement Plots

8-DPSK	
2402MHz	
3DH1	
	
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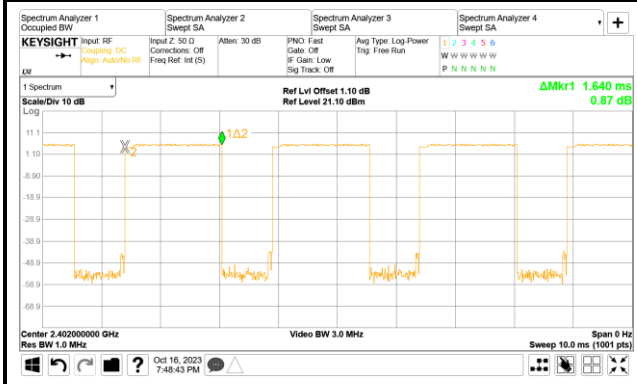	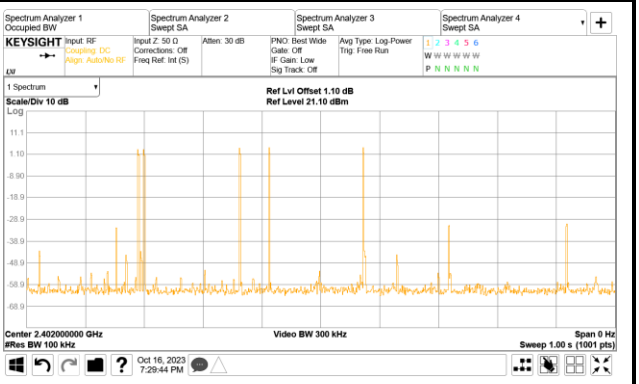
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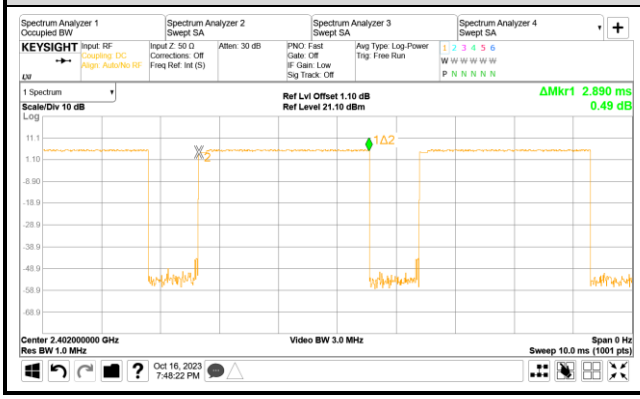	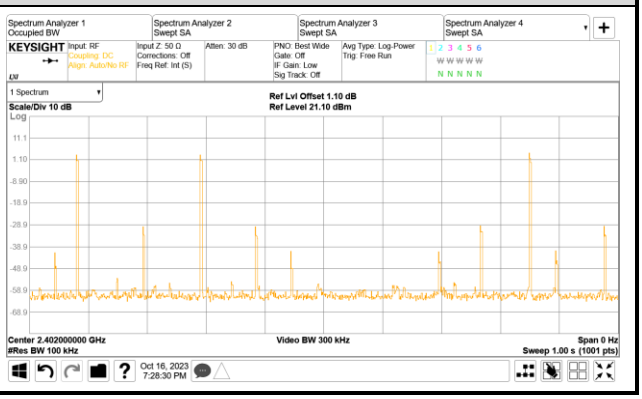

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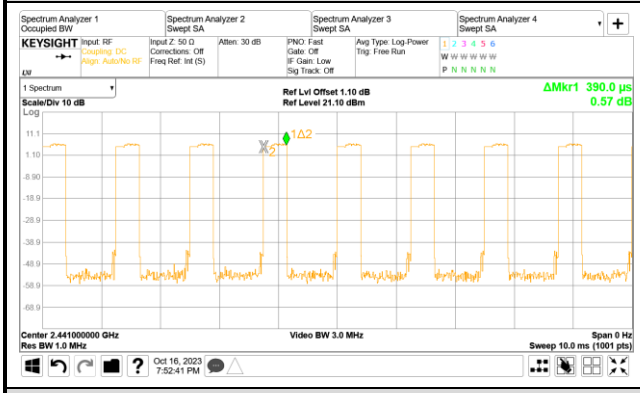
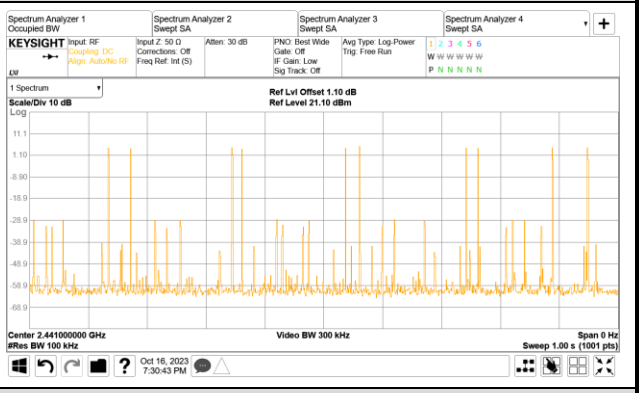
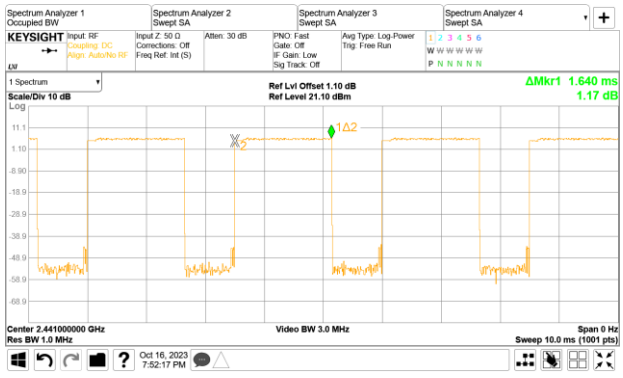
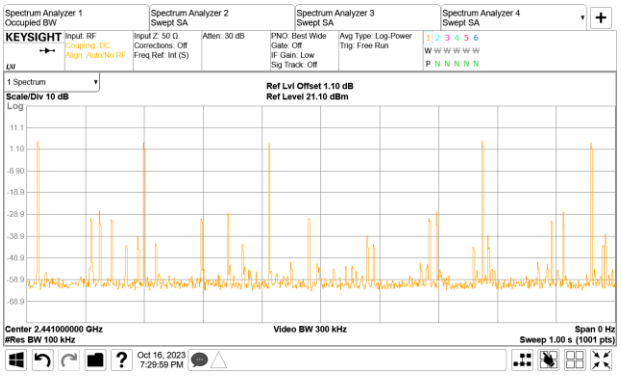
8-DPSK
2441MHz
3DH1



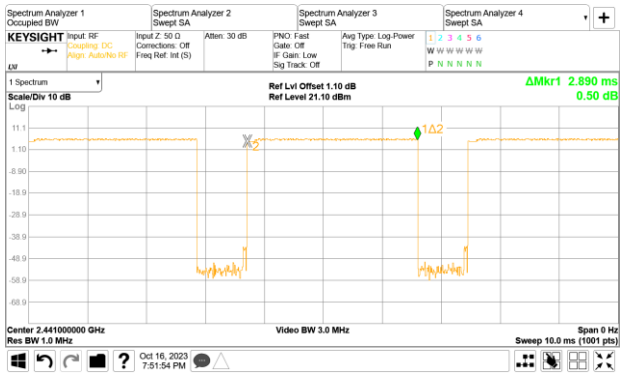


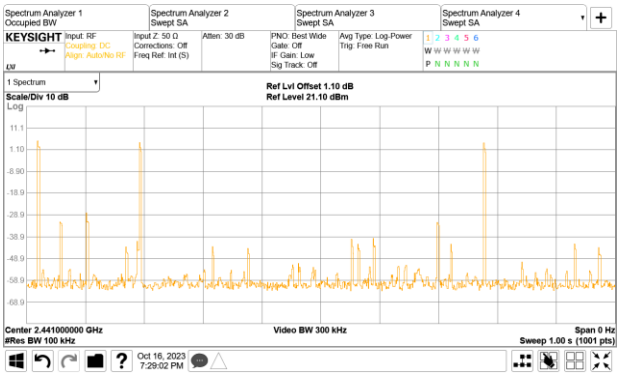
3DH3





3DH5





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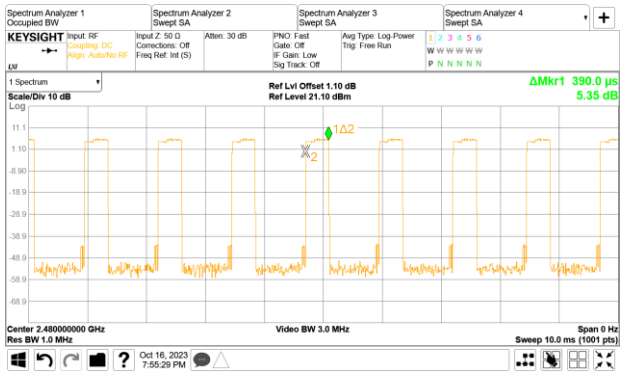
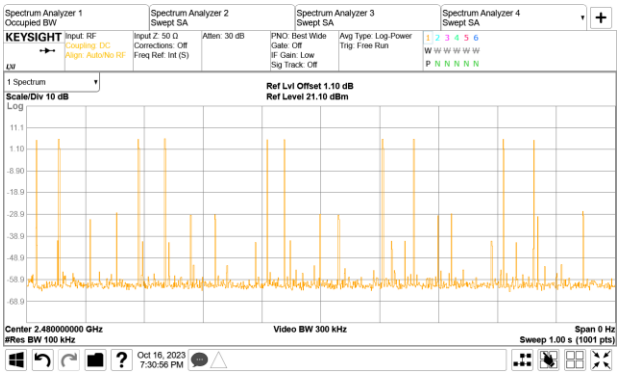
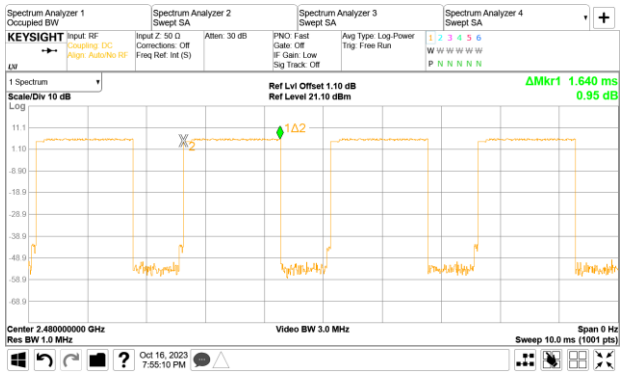
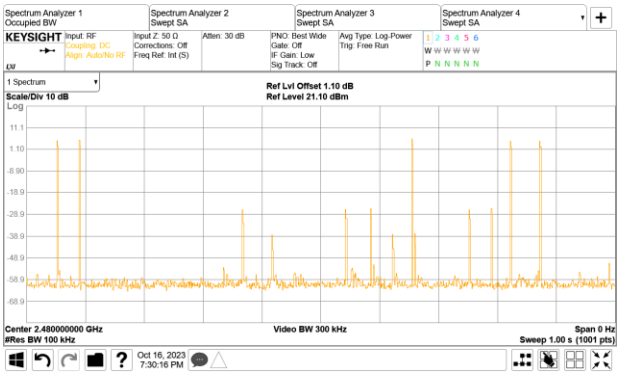
8-DPSK
2480MHz
3DH1



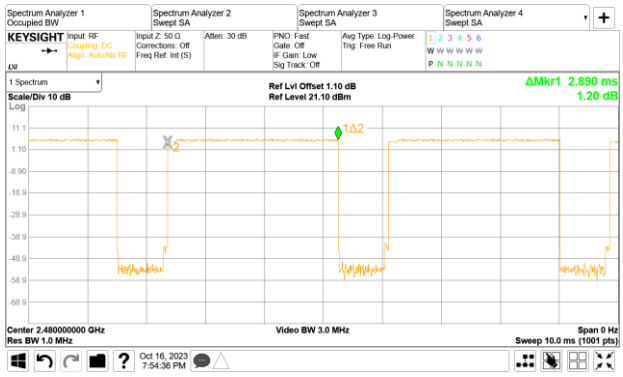


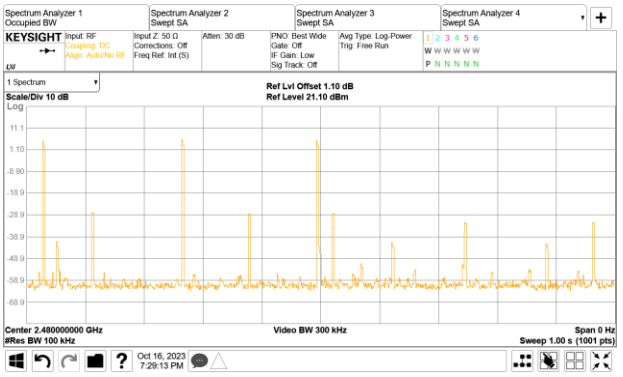
3DH3





3DH5





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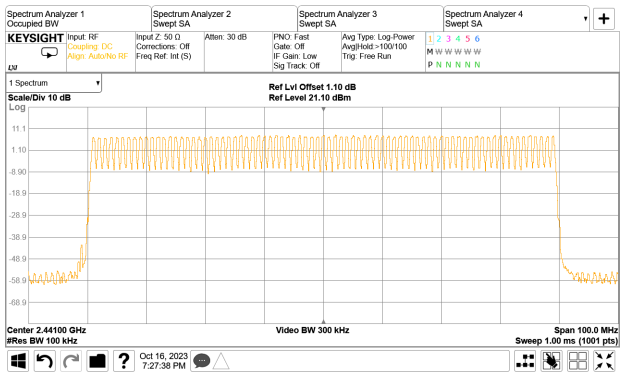
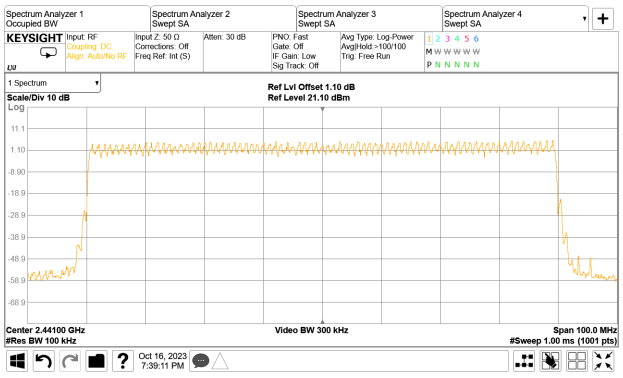
A.6 NUMBER OF HOPPING CHANNELS

Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

Mode: GFSK	Mode: 8-DPSK
	
The number hopping channel is 79.	The number hopping channel is 79.

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A.7 MAXIMUM PEAK OUTPUT POWER

Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
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	9.78	0.010	21dBm (0.125W)
	2441	10.04	0.010	
	2480	10.53	0.011	
8-DPSK	2402	8.35	0.007	
	2441	8.71	0.007	
	2480	9.03	0.008	

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A.8 EMISSION LIMITATIONS MEASUREMENT

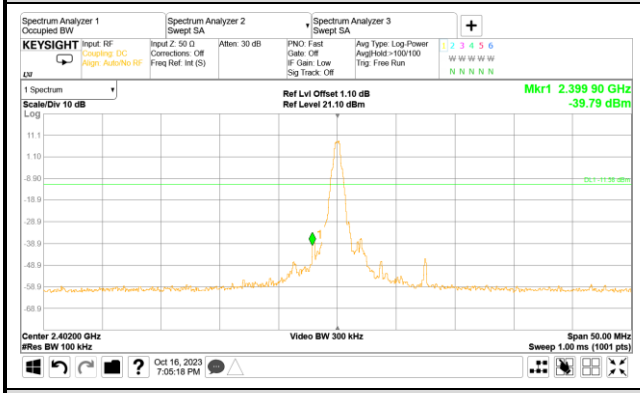
Test Date	2023/10/16	Temp./Hum.	24℃/53%
Cable Loss	1.10dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Band Edge

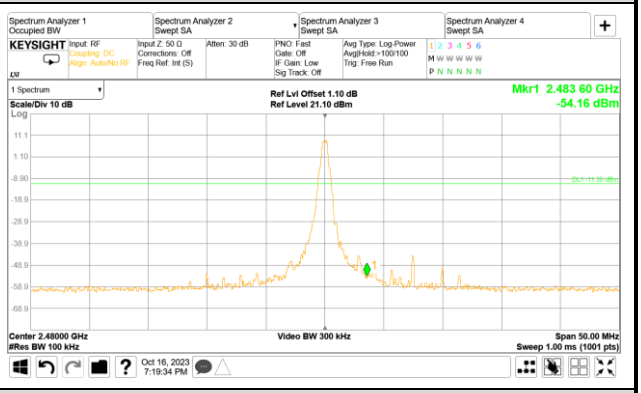
GFSK

Single Channel

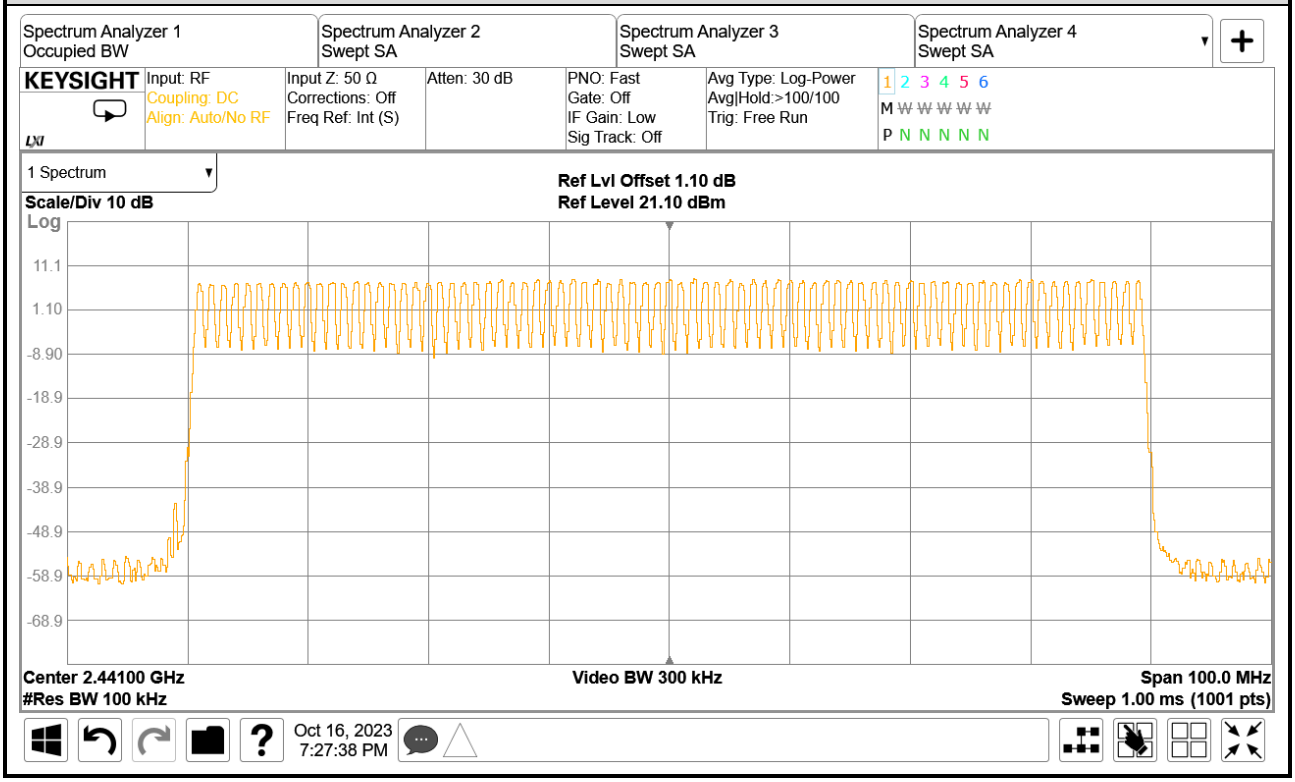
Low channel



High channel



Hopping Mode



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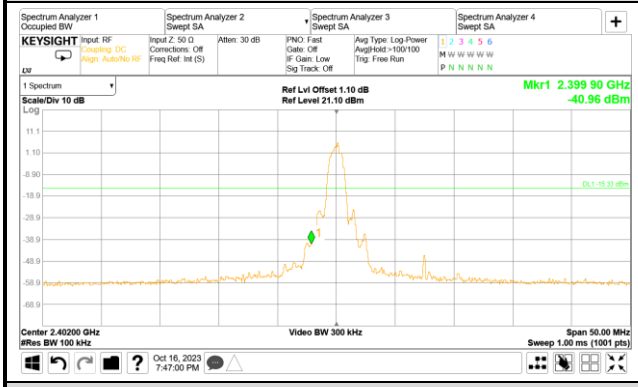
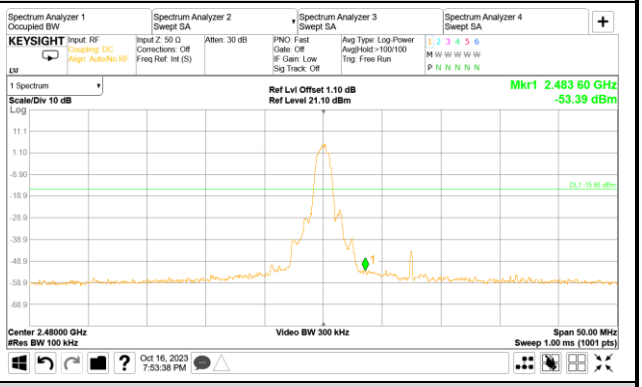
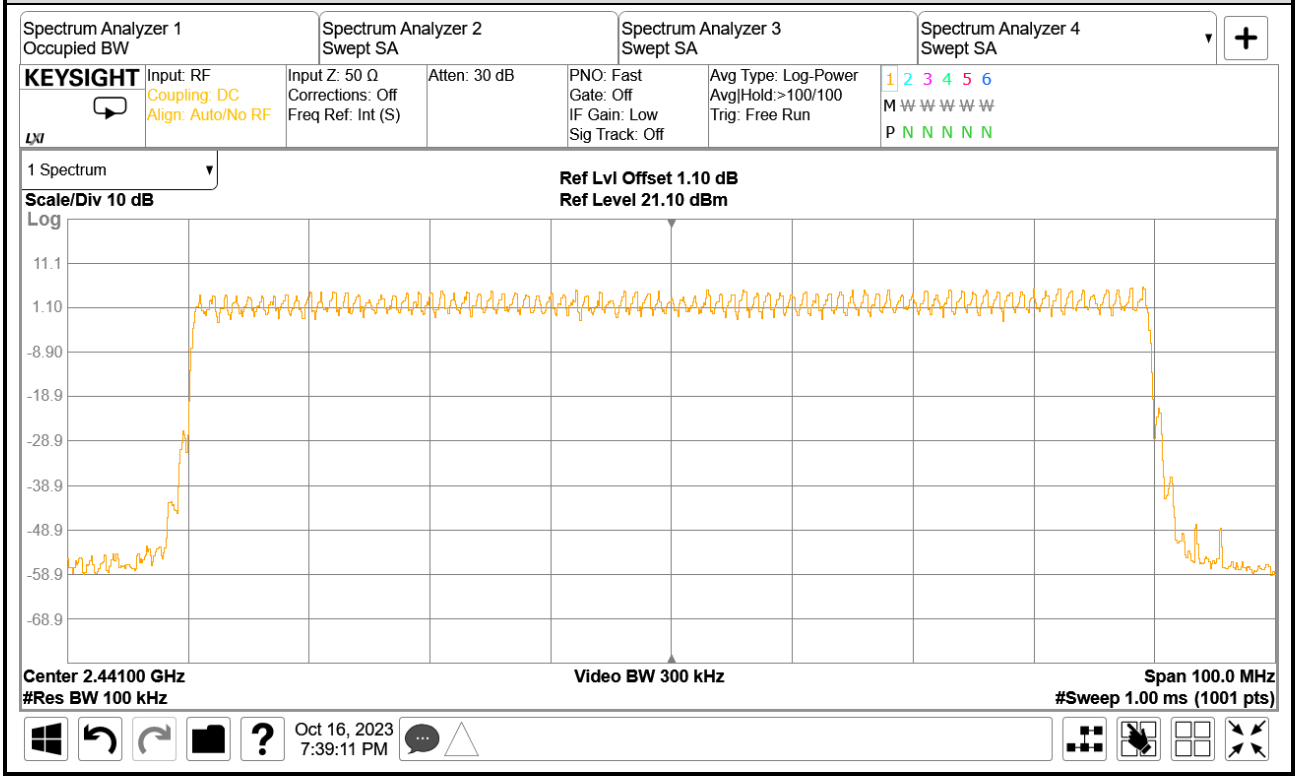
8-DPSK

Single Channel

Low channel	High channel
	

Hopping Mode



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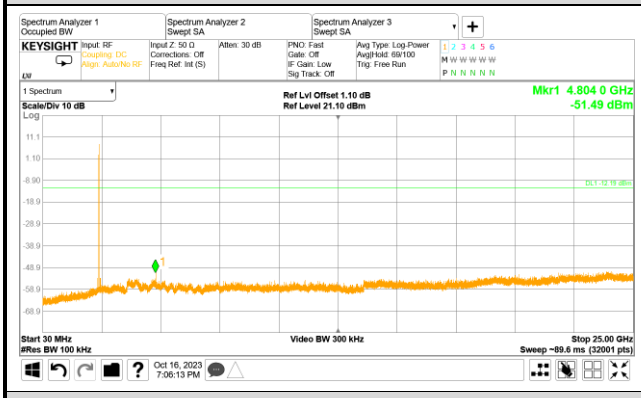
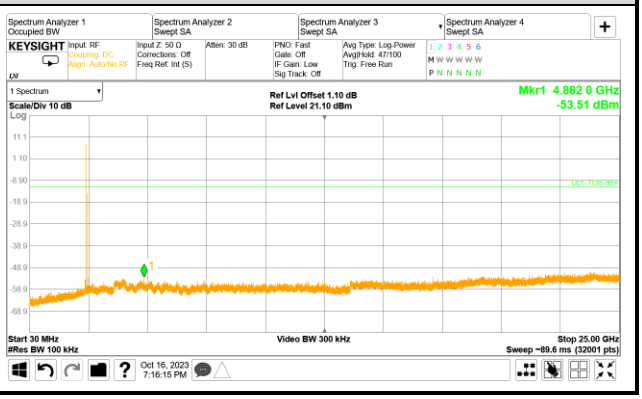
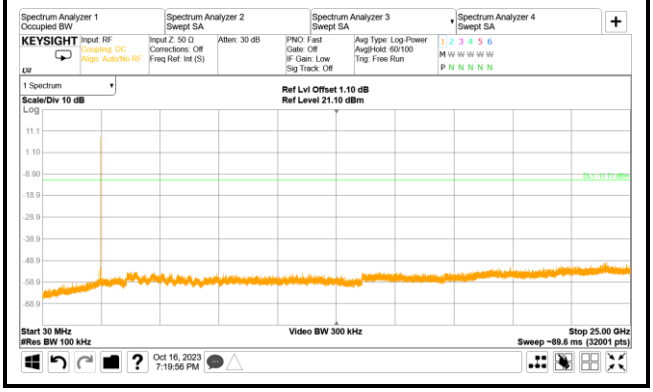
A.8.2 Spurious Emission

GFSK	
2402MHz	2441MHz
30MHz –25GHz	30MHz –25GHz
	
2480MHz	
30MHz –25GHz	
	

Note: All results have been included cable loss.

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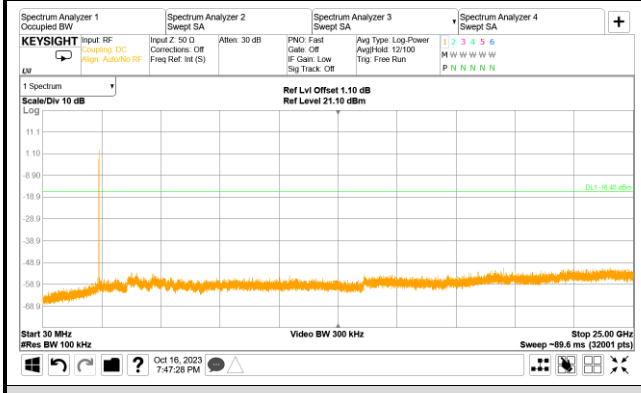
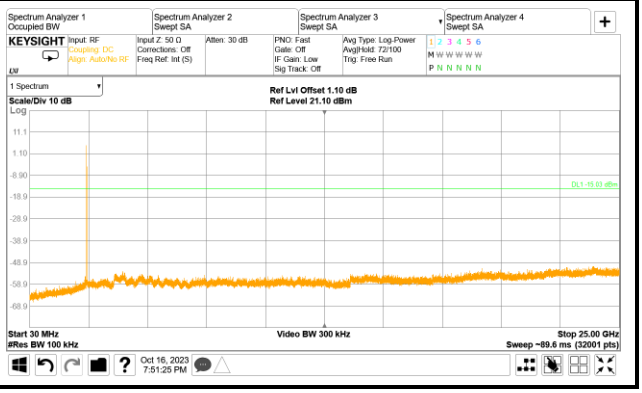
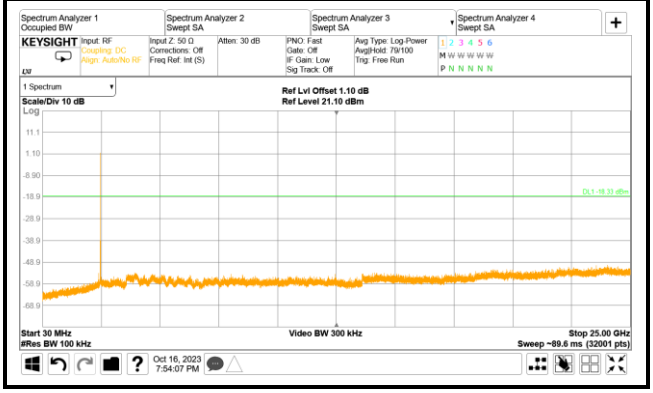
8-DPSK	
2402MHz	2441MHz
30MHz –25GHz	30MHz –25GHz
	
2480MHz	
30MHz –25GHz	
	

Note: All results have been included cable loss.