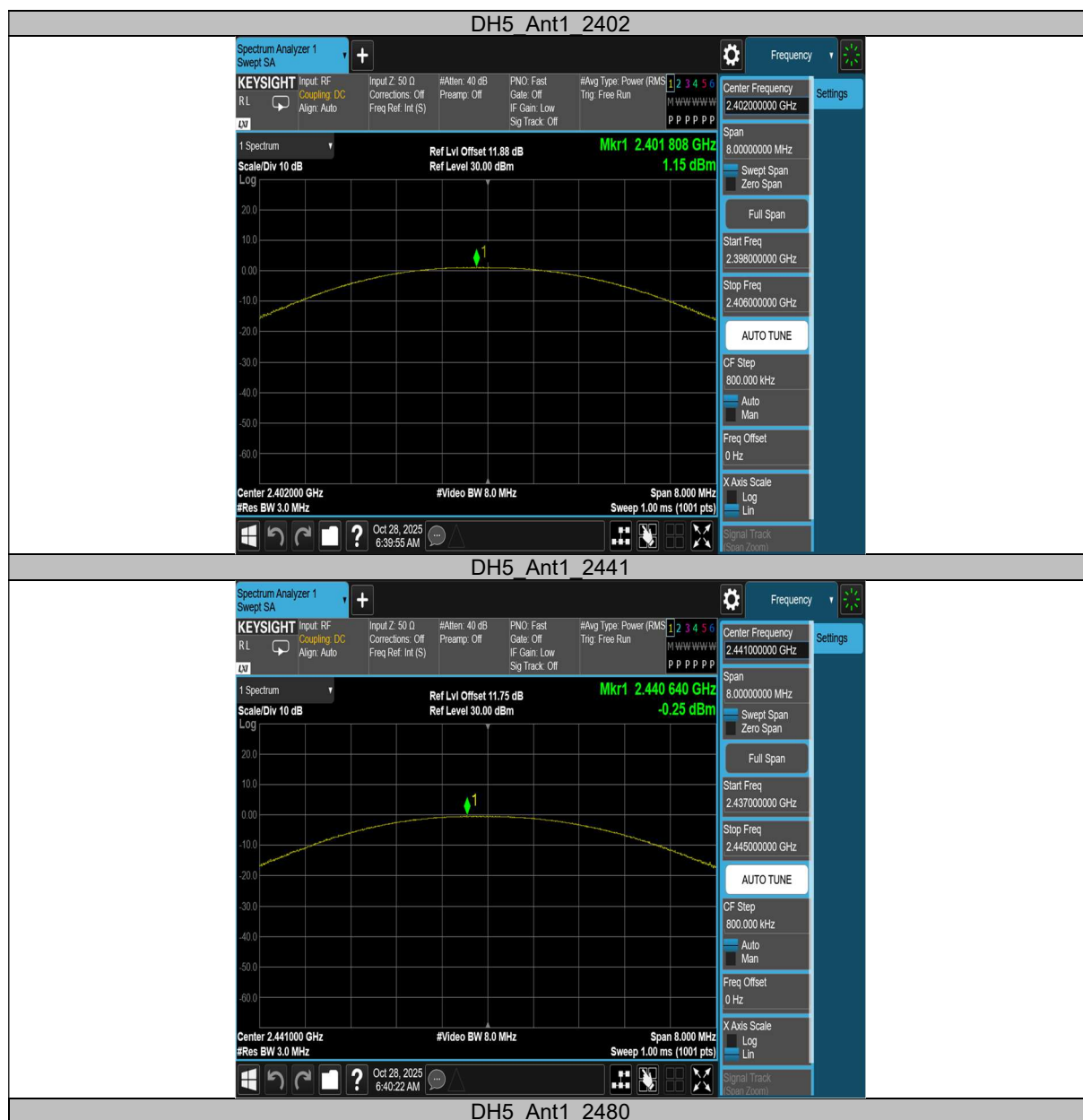








3.9 Conducted Band-edge & Spurious Emissions

Test Method:

The test method was referred to the subclause 7.8.6 & 7.8.8 of ANSI C63.10-2020.

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal hopping mode.

Limit:

FCC §15.247 (d)

RSS-247 5.5

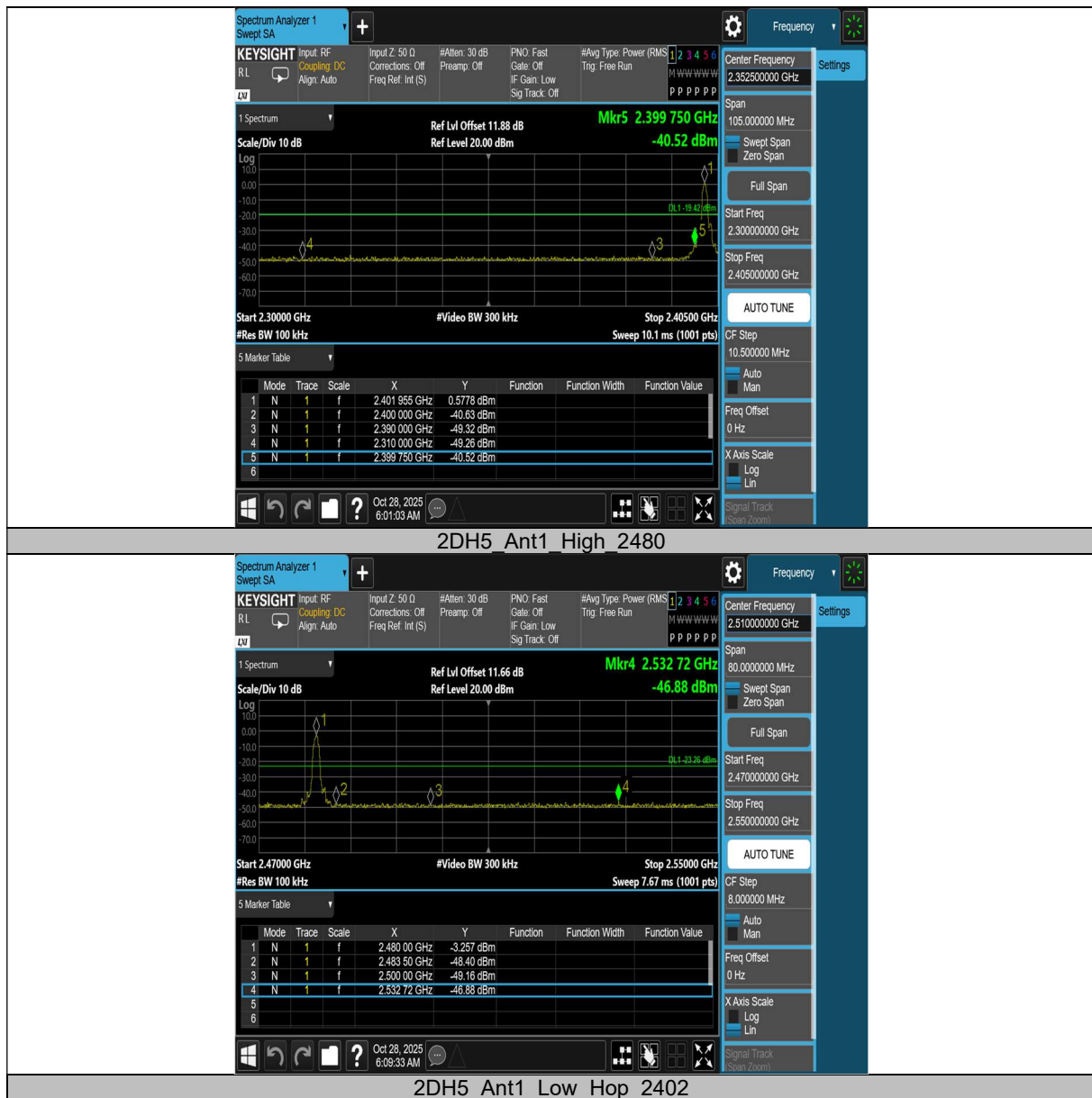
Limit = -20 dBc

Conducted BandedgeTest Result:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.54	-46.36	≤-19.46	PASS
		High	2480	-3.43	-46.57	≤-23.43	PASS
		Low	Hop_2402	0.23	-47.11	≤-19.77	PASS
		High	Hop_2480	-3.10	-46.4	≤-23.1	PASS
2DH5	Ant1	Low	2402	0.58	-40.52	≤-19.42	PASS
		High	2480	-3.26	-46.88	≤-23.26	PASS
		Low	Hop_2402	-3.29	-41.44	≤-23.29	PASS
		High	Hop_2480	-3.08	-45.67	≤-23.08	PASS









Conducted Spurious Emission Test Result:

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-58.11	≤ -19.51	PASS
			1000~26500	0.49	-49.61	≤ -19.51	PASS
		2441	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-58.27	≤ -20.96	PASS
			1000~26500	-0.96	-50.11	≤ -20.96	PASS
		2480	Reference	-3.43	-3.43	---	PASS
			30~1000	-3.43	-58.13	≤ -23.43	PASS
			1000~26500	-3.43	-50.23	≤ -23.43	PASS
2DH5	Ant1	2402	Reference	0.44	0.44	---	PASS
			30~1000	0.44	-57.69	≤ -19.56	PASS
			1000~26500	0.44	-50.42	≤ -19.56	PASS
		2441	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-58.34	≤ -21	PASS
			1000~26500	-1.00	-50.03	≤ -21	PASS
		2480	Reference	-3.43	-3.43	---	PASS
			30~1000	-3.43	-58.48	≤ -23.43	PASS
			1000~26500	-3.43	-49.98	≤ -23.43	PASS





















3.10 Radiated emissions for transmitter

Test Method:

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2020 Section 6.4

Radiated Spurious Emissions 30-1000MHz: ANSI C63.10-2020 Section 6.3 and 6.5

Radiated Spurious Emissions above 1GHz: ANSI C63.10-2020 Section 6.3 and 6.6

Radiated Band-edge: ANSI C63.10-2020 Section 6.10.5

1: The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.

3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious

RBW = 1MHz, VBW ≥ RBW for peak measurement and VBW = 10Hz for average measurement,

Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious

RBW = 100 KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak,

Trace = max hold.

For Below 30MHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious

RBW = 200 Hz, VBW ≥ RBW from 9KHz to 0.15MHz, RBW 9KHz VBW ≥ RBW from 0.15MHz to

30MHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.

2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).

4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

5: When duty cycle < 98%, The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $VBW \geq 1/T$, the T is transmission duration (T).

Limit:

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range	Field Strength Limit	Field Strength Limit
(MHz)	(uV/m) at 3 m	(dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	
13.36-13.41			

RSS-GEN 8.10

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	1660 - 1710	9.0 - 9.2
0.495 - 0.505	16.69475 - 16.69525	1718.8 - 1722.2	9.3 - 9.5
2.1735 - 2.1905	25.5 - 25.67	2200 - 2300	10.6 - 12.7
3.020 - 3.026	37.5 - 38.25	2310 - 2390	13.25 - 13.4
4.125 - 4.128	73 - 74.6	2483.5 - 2500	14.47 - 14.5
4.17725 - 4.17775	74.8 - 75.2	2655 - 2900	15.35 - 16.2
4.20725 - 4.20775	108 - 138	3260 - 3267	17.7 - 21.4
5.677 - 5.683	149.9 - 150.05	3332 - 3339	22.01 - 23.12
6.215 - 6.218	156.52475 - 156.52525	3345.8 - 3358	23.6 - 24.0
6.26775 - 6.26825	156.7 - 156.9	3500 - 4400	31.2 - 31.8
6.31175 - 6.31225	162.0125 - 167.17	4500 - 5150	36.43 - 36.5
8.291 - 8.294	167.72 - 173.2	5350 - 5460	Above 38.6
8.362 - 8.366	240 - 285	7250 - 7750	
8.37625 - 8.38675	322 - 335.4	8025 - 8500	
8.41425 - 8.41475	399.9 - 410		
12.29 - 12.293	608 - 614		
12.51975 - 12.52025	960 - 1427		
12.57675 - 12.57725	1435 - 1626.5		
13.36 - 13.41	1645.5 - 1646.5		

Emissions in Restricted Bands Test Result

Mode:	DH5-2402
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	6.96	47.31	74.00	26.69	43.92	54.00	10.08	150	197	Horizontal	PASS
2	2323.36	7.16	48.31	74.00	25.69	43.83	54.00	10.17	150	212	Horizontal	PASS
3	2337.12	7.09	48.94	74.00	25.06	43.72	54.00	10.28	150	208	Horizontal	PASS
4	2352.56	7.32	48.49	74.00	25.51	46.46	54.00	7.54	150	277	Horizontal	PASS
5	2372.4	7.75	49.10	74.00	24.90	45.05	54.00	8.95	150	215	Horizontal	PASS
6	2390	8.28	49.10	74.00	24.90	46.50	54.00	7.50	150	259	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	6.96	46.70	74.00	27.30	44.39	54.00	9.61	150	8	Vertical	PASS
2	2320.72	7.17	49.35	74.00	24.65	46.20	54.00	7.80	150	104	Vertical	PASS
3	2325.92	7.15	48.01	74.00	25.99	45.15	54.00	8.85	150	140	Vertical	PASS
4	2340.88	7.17	48.16	74.00	25.84	45.43	54.00	8.57	150	25	Vertical	PASS
5	2369.36	7.53	49.45	74.00	24.55	44.68	54.00	9.32	150	172	Vertical	PASS
6	2390	8.28	48.28	74.00	25.72	45.74	54.00	8.26	150	93	Vertical	PASS

Mode:	DH5-2480
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	7.53	54.85	74.00	19.15	41.40	54.00	12.60	150	43	Horizontal	PASS
2	2486.2885	7.57	57.46	74.00	16.54	48.49	54.00	5.51	150	86	Horizontal	PASS
3	2488.945	7.64	56.80	74.00	17.20	47.14	54.00	6.86	150	200	Horizontal	PASS
4	2492.839	7.66	56.21	74.00	17.79	43.92	54.00	10.08	150	277	Horizontal	PASS
5	2496.238	7.66	56.25	74.00	17.75	43.51	54.00	10.49	150	50	Horizontal	PASS
6	2500	7.60	54.75	74.00	19.25	42.73	54.00	11.27	150	317	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	7.53	55.61	74.00	18.39	42.64	54.00	11.36	150	221	Vertical	PASS
2	2485.2325	7.59	56.66	74.00	17.34	42.08	54.00	11.92	150	262	Vertical	PASS
3	2486.8165	7.61	56.67	74.00	17.33	43.21	54.00	10.79	150	189	Vertical	PASS
4	2492.641	7.66	56.82	74.00	17.18	42.39	54.00	11.61	150	225	Vertical	PASS
5	2496.172	7.66	56.29	74.00	17.71	43.06	54.00	10.94	150	109	Vertical	PASS
6	2500	7.60	55.35	74.00	18.65	42.05	54.00	11.95	150	360	Vertical	PASS

Mode:	2DH5-2402
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Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	6.96	46.51	74.00	27.49	44.01	54.00	9.99	150	40	Horizontal	PASS
2	2320.64	7.17	48.85	74.00	25.15	45.78	54.00	8.22	150	174	Horizontal	PASS
3	2332.32	7.10	48.08	74.00	25.92	43.66	54.00	10.34	150	250	Horizontal	PASS
4	2349.52	7.39	48.51	74.00	25.49	45.22	54.00	8.78	150	292	Horizontal	PASS
5	2365.04	7.55	48.68	74.00	25.32	44.49	54.00	9.51	150	196	Horizontal	PASS
6	2390	8.28	49.19	74.00	24.81	46.01	54.00	7.99	150	118	Horizontal	PASS

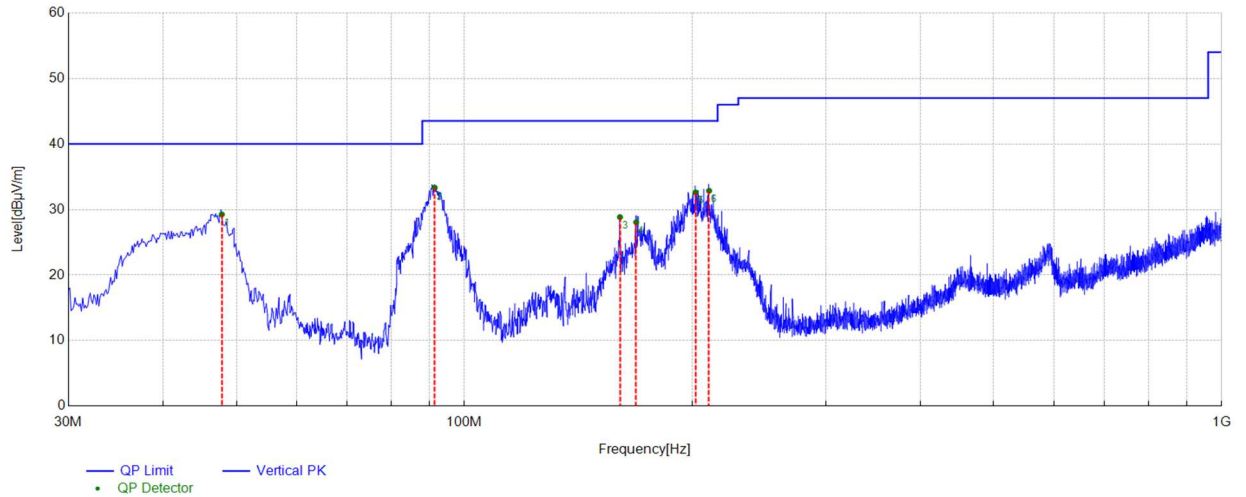
Final Data List												
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1	2310	6.96	46.84	74.00	27.16	43.98	54.00	10.02	150	186	Vertical	PASS
2	2317.6	7.13	49.35	74.00	24.65	46.43	54.00	7.57	150	36	Vertical	PASS
3	2334.48	7.10	48.20	74.00	25.80	44.95	54.00	9.05	150	51	Vertical	PASS
4	2347.44	7.29	48.82	74.00	25.18	44.37	54.00	9.63	150	276	Vertical	PASS
5	2361.92	7.41	48.56	74.00	25.44	45.12	54.00	8.88	150	162	Vertical	PASS
6	2390	8.28	49.05	74.00	24.95	45.42	54.00	8.58	150	108	Vertical	PASS

Mode:	2DH5-2480
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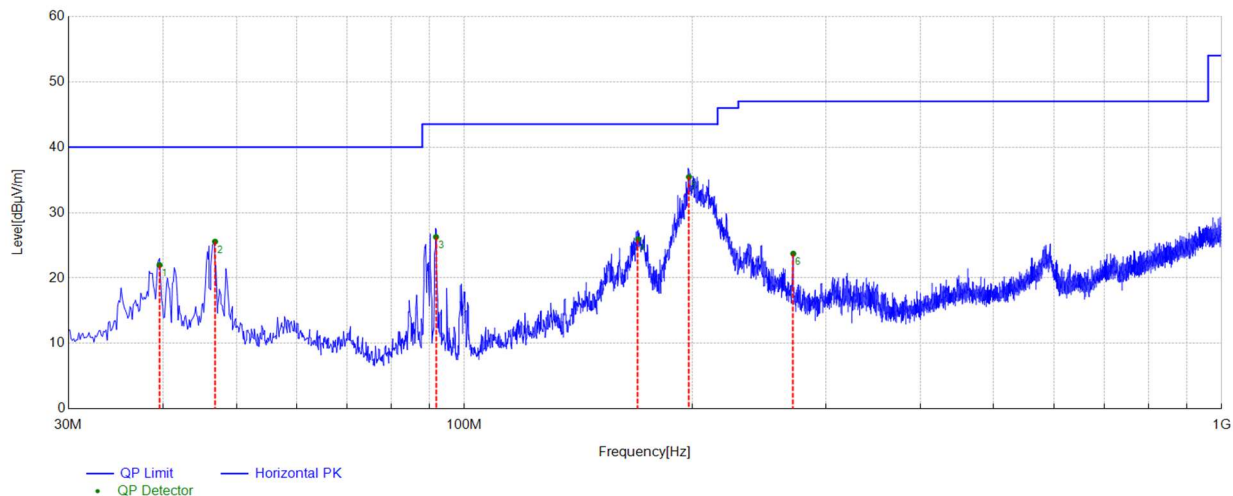
Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	7.53	54.67	74.00	19.33	41.92	54.00	12.08	150	6	Horizontal	PASS
2	2484.754	7.59	56.87	74.00	17.13	48.44	54.00	5.56	150	60	Horizontal	PASS
3	2488.846	7.63	56.76	74.00	17.24	45.93	54.00	8.07	150	131	Horizontal	PASS
4	2491.717	7.65	56.37	74.00	17.63	47.30	54.00	6.70	150	195	Horizontal	PASS
5	2494.72	7.66	56.48	74.00	17.52	42.24	54.00	11.76	150	160	Horizontal	PASS
6	2500	7.60	55.46	74.00	18.54	42.73	54.00	11.27	150	220	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	7.53	55.11	74.00	18.89	42.41	54.00	11.59	150	50	Vertical	PASS
2	2485.612	7.57	56.44	74.00	17.56	47.93	54.00	6.07	150	19	Vertical	PASS
3	2486.767	7.60	56.49	74.00	17.51	48.37	54.00	5.63	150	65	Vertical	PASS
4	2491.024	7.63	56.33	74.00	17.67	47.72	54.00	6.28	150	19	Vertical	PASS
5	2492.938	7.66	56.83	74.00	17.17	44.89	54.00	9.11	150	142	Vertical	PASS
6	2500	7.60	55.51	74.00	18.49	43.27	54.00	10.73	150	170	Vertical	PASS

Radiated Emissions Test Result



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	47.8237	-16.33	29.26	40.00	10.74	100	149	Vertical	PASS
2	91.3525	-20.38	33.33	43.50	10.17	100	171	Vertical	PASS
3	160.4650	-16.10	28.84	43.50	14.66	100	199	Vertical	PASS
4	168.5888	-16.61	28.06	43.50	15.44	100	241	Vertical	PASS
5	201.9325	-19.30	32.62	43.50	10.88	100	350	Vertical	PASS
6	210.4200	-19.37	32.86	43.50	10.64	100	350	Vertical	PASS



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	39.5788	-16.18	21.99	40.00	18.01	100	10	Horizontal	PASS
2	46.8538	-16.23	25.58	40.00	14.42	100	10	Horizontal	PASS
3	91.7162	-20.35	26.28	43.50	17.22	100	10	Horizontal	PASS
4	169.5588	-16.77	25.94	43.50	17.56	100	179	Horizontal	PASS
5	197.9312	-19.31	35.46	43.50	8.04	100	211	Horizontal	PASS
6	271.7725	-17.14	23.73	47.00	23.27	100	174	Horizontal	PASS

Mode:	DH5-2402
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1258.4	2.61	42.92	74.00	31.08	54.00	150	333	Horizontal	PASS
2	1811.2	5.44	44.53	74.00	29.47	54.00	150	299	Horizontal	PASS
3	4804.5	-13.97	51.48	74.00	22.52	54.00	150	70	Horizontal	PASS
4	7206	-10.51	43.34	74.00	30.66	54.00	150	49	Horizontal	PASS
5	9609	-7.16	47.16	74.00	26.84	54.00	150	86	Horizontal	PASS
6	12010.5	-2.99	48.13	74.00	25.87	54.00	150	70	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1166.8	2.30	46.11	74.00	27.89	54.00	150	152	Vertical	PASS
2	2001.2	6.52	48.12	74.00	25.88	54.00	150	102	Vertical	PASS
3	4804.5	-13.97	52.99	74.00	21.01	54.00	150	144	Vertical	PASS
4	6516.75	-10.85	42.99	74.00	31.01	54.00	150	114	Vertical	PASS
5	9608.25	-7.17	49.26	74.00	24.74	54.00	150	360	Vertical	PASS
6	12009.75	-2.98	48.70	74.00	25.30	54.00	150	204	Vertical	PASS

Mode:	DH5-2441
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1236.8	2.52	42.47	74.00	31.53	54.00	150	262	Horizontal	PASS
2	2019.2	6.48	45.54	74.00	28.46	54.00	150	137	Horizontal	PASS
3	4882.5	-13.61	53.22	74.00	20.78	54.00	150	80	Horizontal	PASS
4	7323.75	-10.17	48.56	74.00	25.44	54.00	150	59	Horizontal	PASS
5	9765	-6.68	46.38	74.00	27.62	54.00	150	102	Horizontal	PASS
6	12205.5	-2.77	49.19	74.00	24.81	54.00	150	319	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1166.8	2.30	45.58	74.00	28.42	54.00	150	151	Vertical	PASS
2	1993.6	6.61	46.60	74.00	27.40	54.00	150	108	Vertical	PASS
3	4881.75	-13.63	53.15	74.00	20.85	54.00	150	144	Vertical	PASS
4	7323	-10.16	48.84	74.00	25.16	54.00	150	144	Vertical	PASS
5	9764.25	-6.68	47.61	74.00	26.39	54.00	150	350	Vertical	PASS
6	12204.75	-2.77	50.24	74.00	23.76	54.00	150	198	Vertical	PASS

Mode:	DH5-2480
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1305.2	2.68	42.76	74.00	31.24	54.00	150	13	Horizontal	PASS
2	1932	6.14	44.85	74.00	29.15	54.00	150	128	Horizontal	PASS
3	4960.5	-14.64	48.39	74.00	25.61	54.00	150	85	Horizontal	PASS
4	7440	-10.03	45.14	74.00	28.86	54.00	150	56	Horizontal	PASS
5	9921	-6.36	45.26	74.00	28.74	54.00	150	100	Horizontal	PASS
6	12399.75	-2.46	48.55	74.00	25.45	54.00	150	145	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1166	2.28	46.34	74.00	27.66	54.00	150	158	Vertical	PASS
2	2001.2	6.52	47.44	74.00	26.56	54.00	150	106	Vertical	PASS
3	4959.75	-14.68	49.94	74.00	24.06	54.00	150	137	Vertical	PASS
4	7440	-10.03	45.41	74.00	28.59	54.00	150	123	Vertical	PASS
5	9920.25	-6.36	46.66	74.00	27.34	54.00	150	34	Vertical	PASS
6	12399.75	-2.46	48.14	74.00	25.86	54.00	150	212	Vertical	PASS

Mode:	2DH5-2402
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1169.2	2.33	42.33	74.00	31.67	54.00	150	212	Horizontal	PASS
2	1858	5.89	45.14	74.00	28.86	54.00	150	124	Horizontal	PASS
3	4803.75	-14.00	51.28	74.00	22.72	54.00	150	78	Horizontal	PASS
4	6413.25	-10.93	42.95	74.00	31.05	54.00	150	277	Horizontal	PASS
5	9608.25	-7.17	44.82	74.00	29.18	54.00	150	93	Horizontal	PASS
6	12010.5	-2.99	45.39	74.00	28.61	54.00	150	130	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1168.8	2.33	45.42	74.00	28.58	54.00	150	195	Vertical	PASS
2	1996.8	6.55	47.12	74.00	26.88	54.00	150	106	Vertical	PASS
3	4804.5	-13.97	49.95	74.00	24.05	54.00	150	136	Vertical	PASS
4	5208	-12.74	42.11	74.00	31.89	54.00	150	56	Vertical	PASS
5	9609	-7.16	46.75	74.00	27.25	54.00	150	329	Vertical	PASS
6	12009.75	-2.98	47.94	74.00	26.06	54.00	150	195	Vertical	PASS

Mode:	2DH5-2441
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1327.2	2.46	43.58	74.00	30.42	54.00	150	278	Horizontal	PASS
2	1948	6.17	46.19	74.00	27.81	54.00	150	114	Horizontal	PASS
3	4882.5	-13.61	52.76	74.00	21.24	54.00	150	78	Horizontal	PASS
4	7323	-10.16	47.51	74.00	26.49	54.00	150	49	Horizontal	PASS
5	9763.5	-6.67	45.93	74.00	28.07	54.00	150	78	Horizontal	PASS
6	12204	-2.78	47.74	74.00	26.26	54.00	150	159	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1164.4	2.26	46.88	74.00	27.12	54.00	150	118	Vertical	PASS
2	1995.6	6.57	48.11	74.00	25.89	54.00	150	106	Vertical	PASS
3	4882.5	-13.61	52.86	74.00	21.14	54.00	150	130	Vertical	PASS
4	7323.75	-10.17	46.68	74.00	27.32	54.00	150	145	Vertical	PASS
5	9764.25	-6.68	47.80	74.00	26.20	54.00	150	343	Vertical	PASS
6	12206.25	-2.76	48.67	74.00	25.33	54.00	150	86	Vertical	PASS

Mode:	2DH5-2480
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Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1258.4	2.61	42.75	74.00	31.25	54.00	150	208	Horizontal	PASS
2	1942	6.10	45.75	74.00	28.25	54.00	150	276	Horizontal	PASS
3	4960.5	-14.64	47.69	74.00	26.31	54.00	150	108	Horizontal	PASS
4	7440.75	-10.04	43.29	74.00	30.71	54.00	150	49	Horizontal	PASS
5	9345	-7.23	43.20	74.00	30.80	54.00	150	208	Horizontal	PASS
6	12399.75	-2.46	47.94	74.00	26.06	54.00	150	123	Horizontal	PASS

Final Data List										
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	1166	2.28	45.72	74.00	28.28	54.00	150	160	Vertical	PASS
2	1995.2	6.58	47.30	74.00	26.70	54.00	150	116	Vertical	PASS
3	4960.5	-14.64	48.99	74.00	25.01	54.00	150	136	Vertical	PASS
4	7314	-10.43	42.66	74.00	31.34	54.00	150	358	Vertical	PASS
5	9919.5	-6.37	45.08	74.00	28.92	54.00	150	358	Vertical	PASS
6	12401.25	-2.46	45.84	74.00	28.16	54.00	150	92	Vertical	PASS

3.11 Hopping sequence requirement

Limit:

FCC §15.207 (g)

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Result: Meet the requirements of this chapter

4 Test Setup Photos

Ref "EFGX25100007-IE-02-E05 Setup Photos.pdf"

5 External Photo

Ref "EFGX25100007-IE-02-E05 External Photos.pdf"

6 Internal Photos

Ref "EFGX25100007-IE-02-E05 Internal Photos.pdf"

-End of report-