

3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-58.24	≤-17.83	PASS
			1000~26500	2.17	-29.79	≤-17.83	PASS
		2441	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-57.5	≤-17.49	PASS
			1000~26500	2.51	-29.82	≤-17.49	PASS
		2480	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-58.21	≤-17.77	PASS
			1000~26500	2.23	-32.14	≤-17.77	PASS
2DH5	Ant1	2402	Reference	2.13	2.13	---	PASS
			30~1000	2.13	-58.17	≤-17.87	PASS
			1000~26500	2.13	-33.87	≤-17.87	PASS
		2441	Reference	2.41	2.41	---	PASS
			30~1000	2.41	-58.07	≤-17.59	PASS
			1000~26500	2.41	-30.64	≤-17.59	PASS
		2480	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-58.43	≤-17.84	PASS
			1000~26500	2.16	-31.06	≤-17.84	PASS
3DH5	Ant1	2402	Reference	2.11	2.11	---	PASS
			30~1000	2.11	-57.53	≤-17.89	PASS
			1000~26500	2.11	-30.37	≤-17.89	PASS
		2441	Reference	2.41	2.41	---	PASS
			30~1000	2.41	-58.61	≤-17.59	PASS
			1000~26500	2.41	-31.65	≤-17.59	PASS
		2480	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-58.44	≤-17.83	PASS
			1000~26500	2.17	-34.33	≤-17.83	PASS

Test Graphs



DH5_Ant1_2402_30~1000

Spectrum Analyzer 1
Swept SA

KEYSIGHT
Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

#Atten: 20 dB
Preamp: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Trig: Free Run

1 2 3 4 5 6
M N W W W W W W
P P P P P P

Center Frequency
515.000000 MHz

Span
970.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz

AUTO TUNE

CF Step
97.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

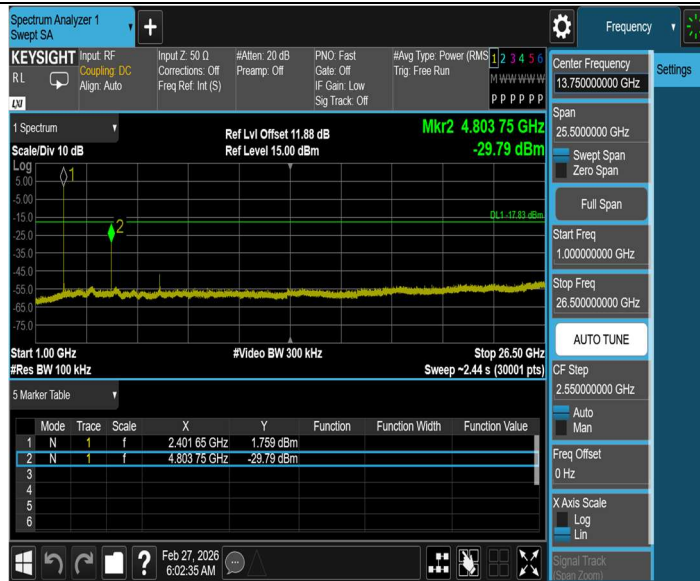
Signal Track
(Span Zoom)

1 Spectrum
Scale/Div 10 dB
LogRef Lvl Offset 11.88 dB
Ref Level 15.00 dBmMkr1 809.75 MHz
-58.24 dBmStart 0.0300 GHz
#Res BW 100 kHz

#Video BW 300 kHz

Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)Feb 27, 2026
6:00:57 AM

DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



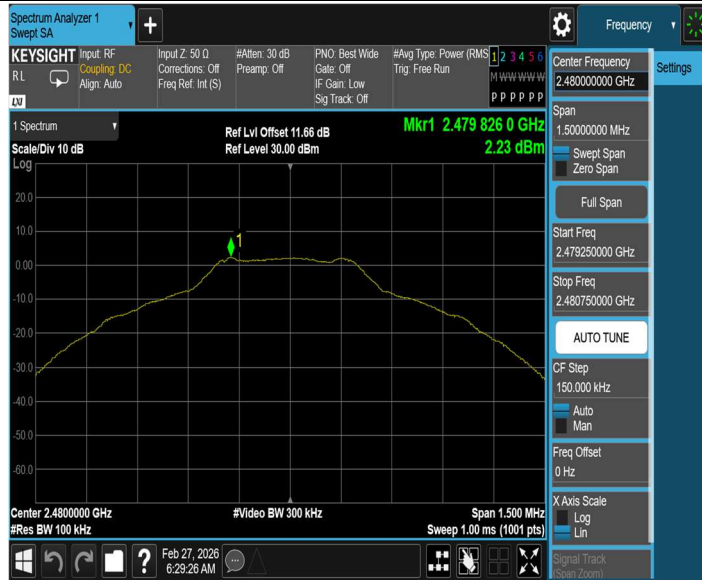
DH5_Ant1_2441_30~1000



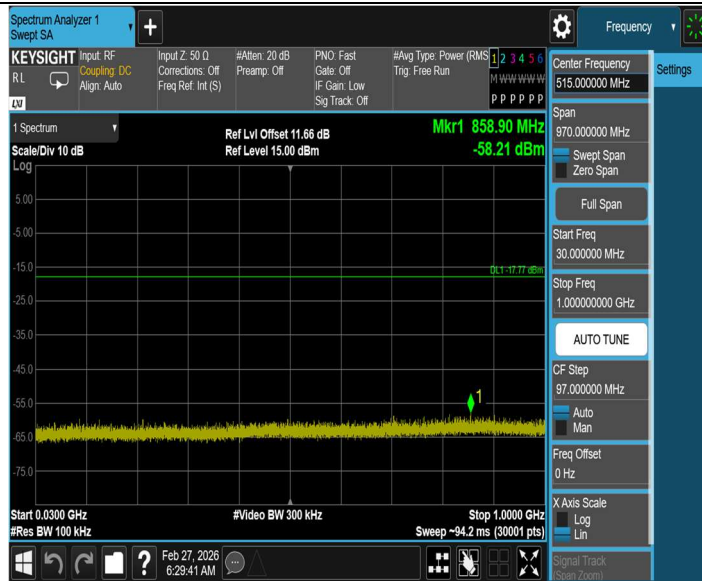
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



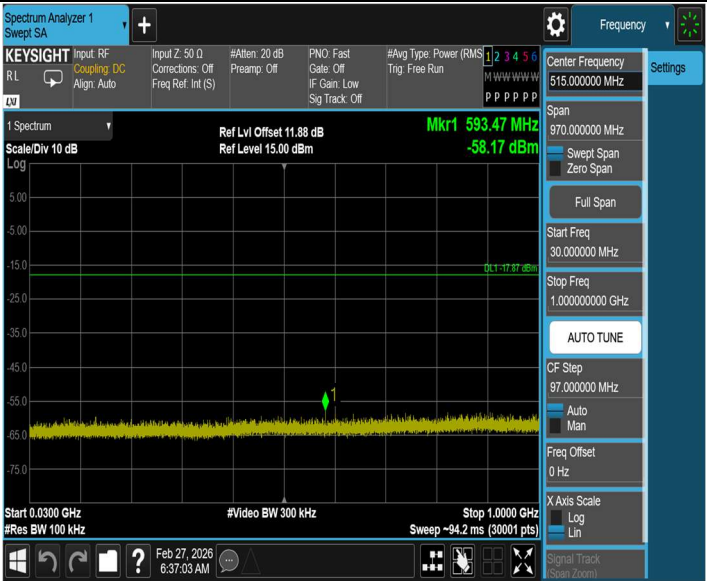
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



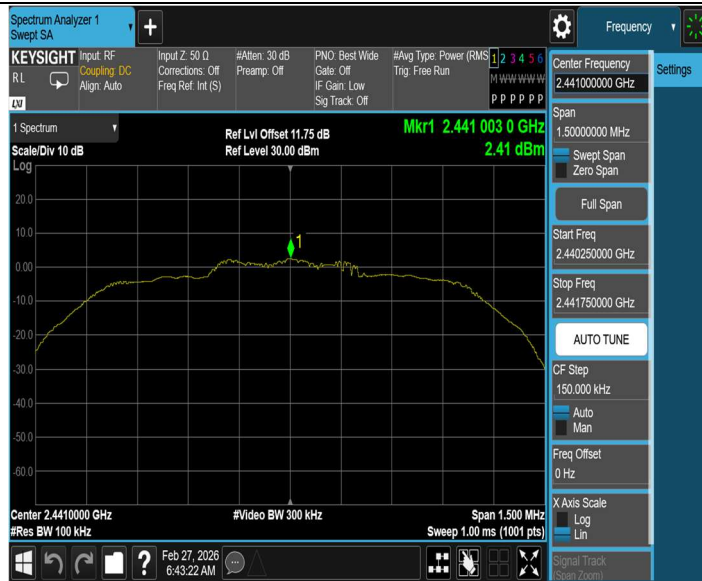
2DH5_Ant1_2402_30~1000



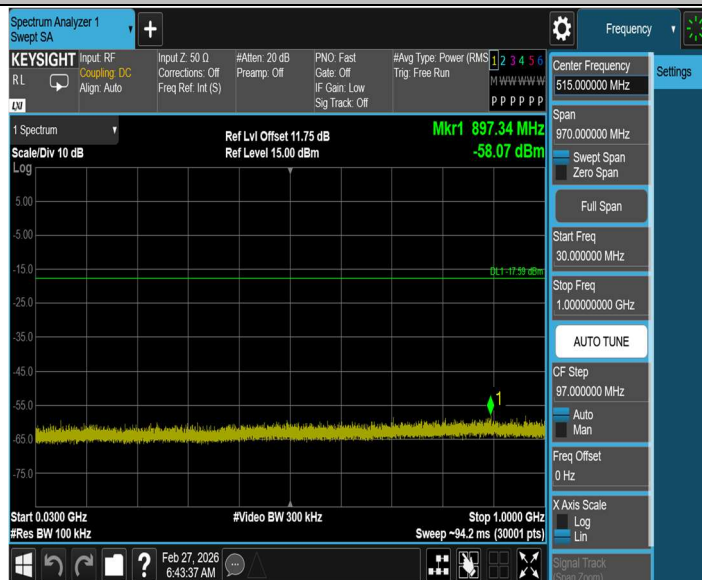
2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



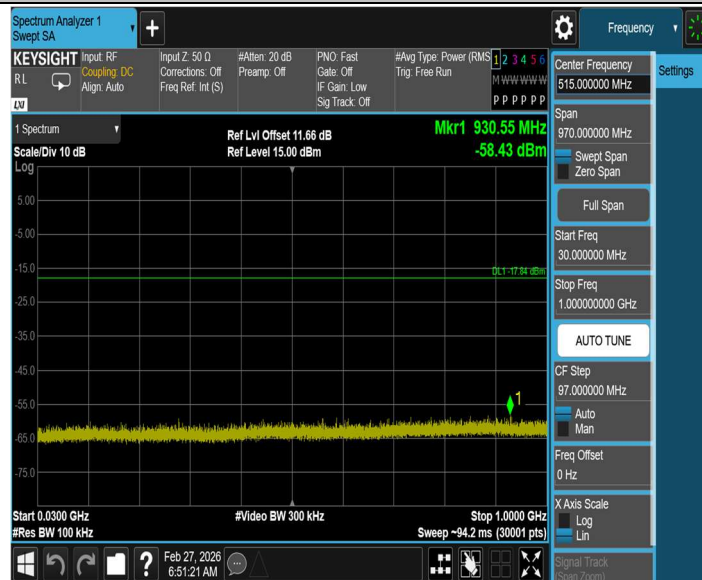
2DH5_Ant1_2441_1000~26500



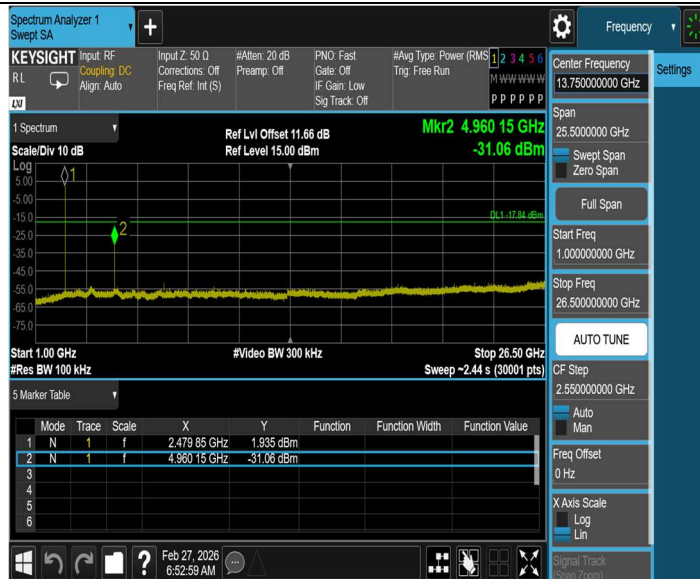
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



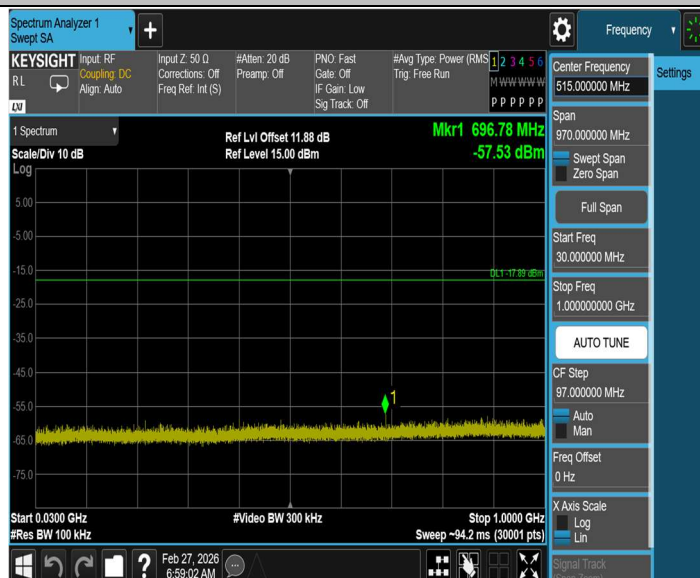
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



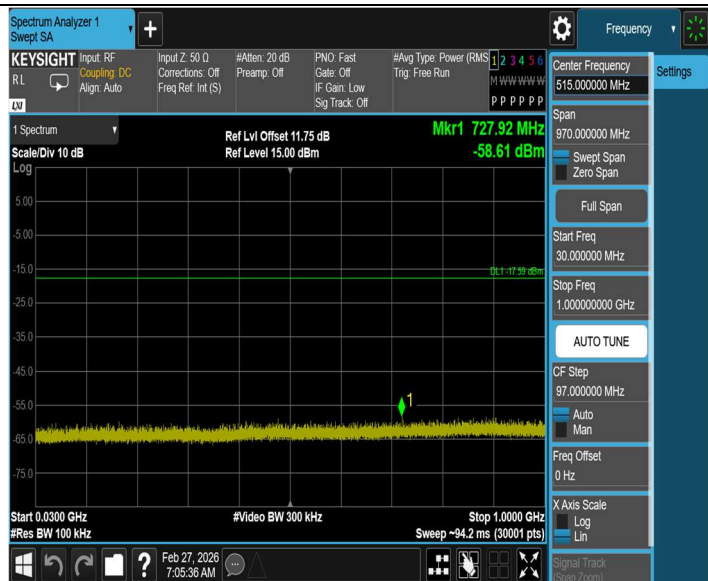
3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



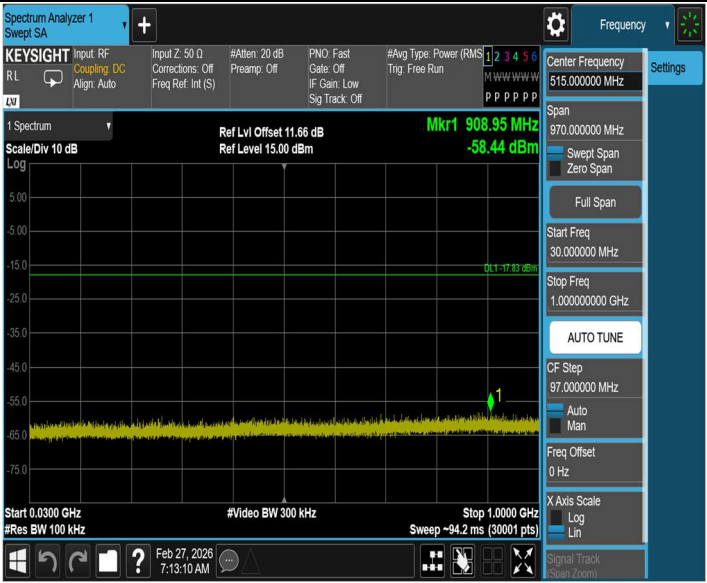
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.92	3.76	77.66	1.10
		2441	2.92	3.76	77.66	1.10
		2480	2.92	3.76	77.66	1.10
2DH5	Ant1	2402	2.92	3.76	77.66	1.10
		2441	2.92	3.75	77.87	1.09
		2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.76	77.66	1.10
		2441	2.92	3.75	77.87	1.09
		2480	2.92	3.75	77.87	1.09

Test Graphs





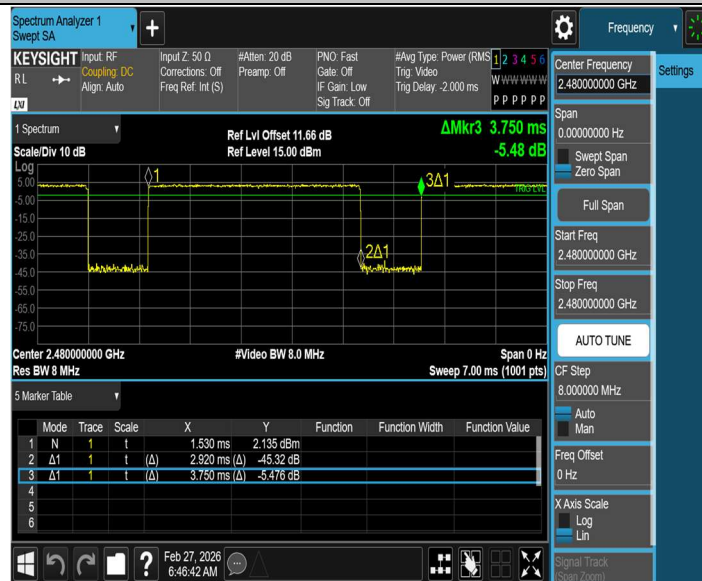
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



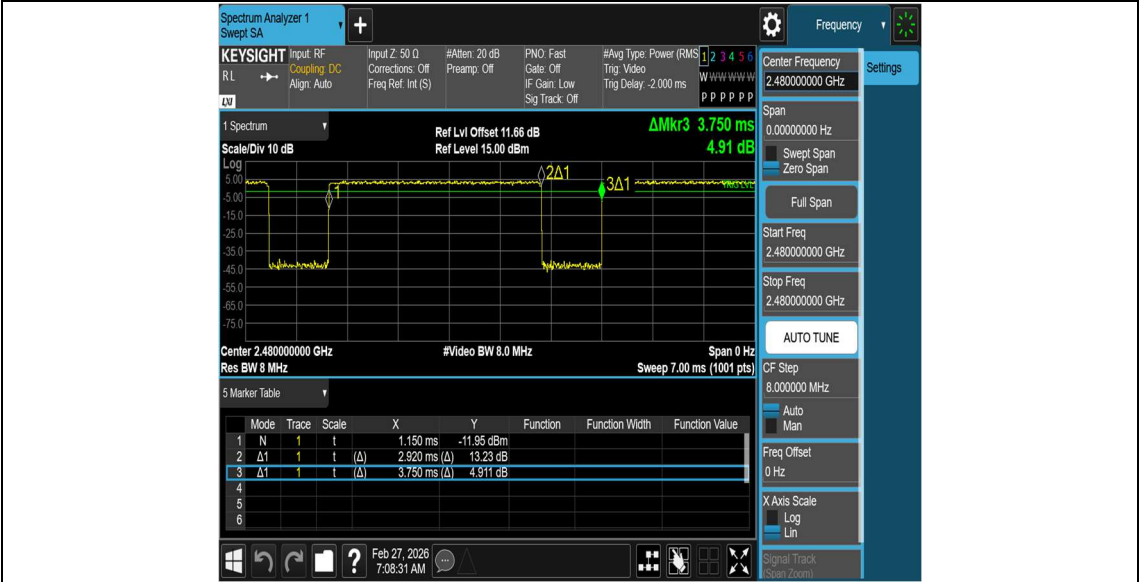
3DH5_Ant1_2402



3DH5_Ant1_2441

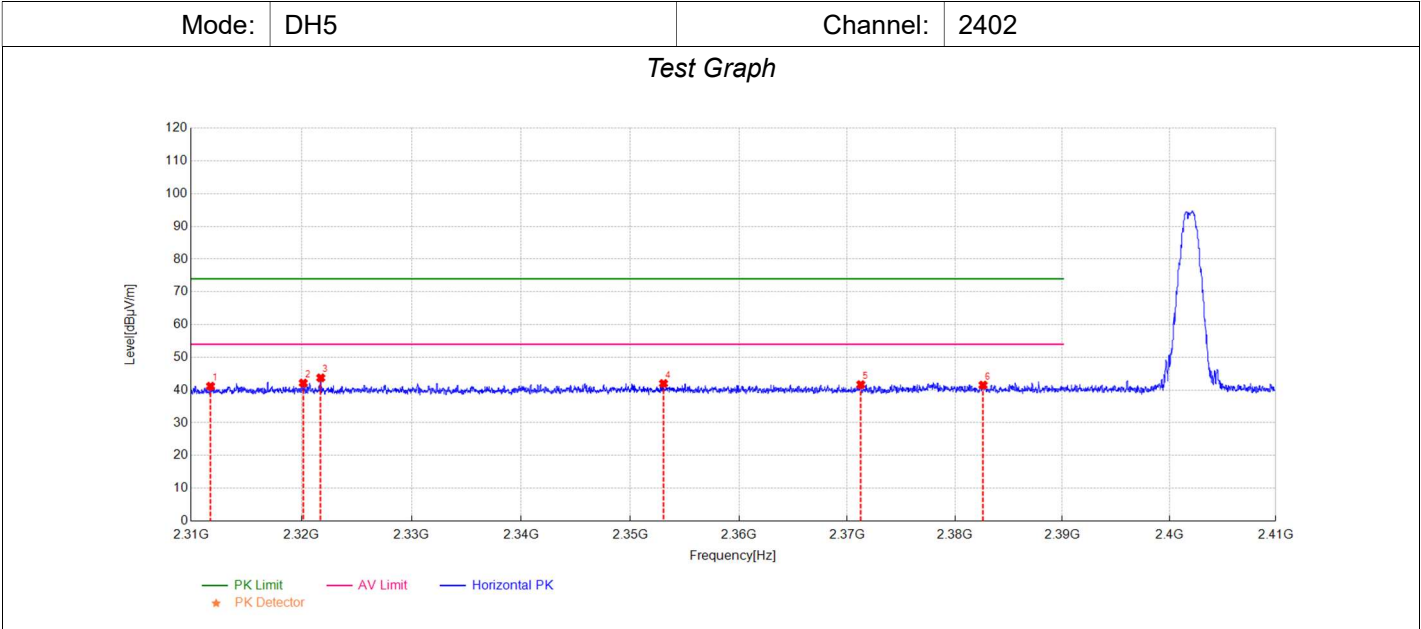


3DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

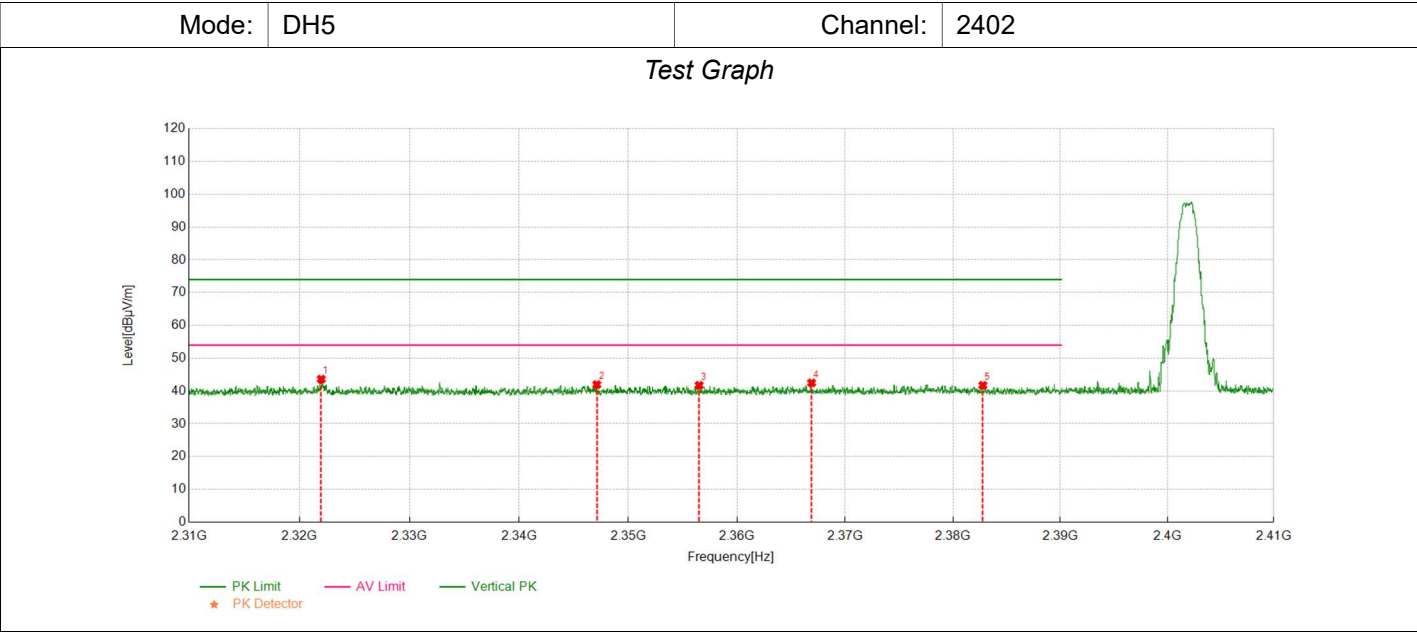
Test Result



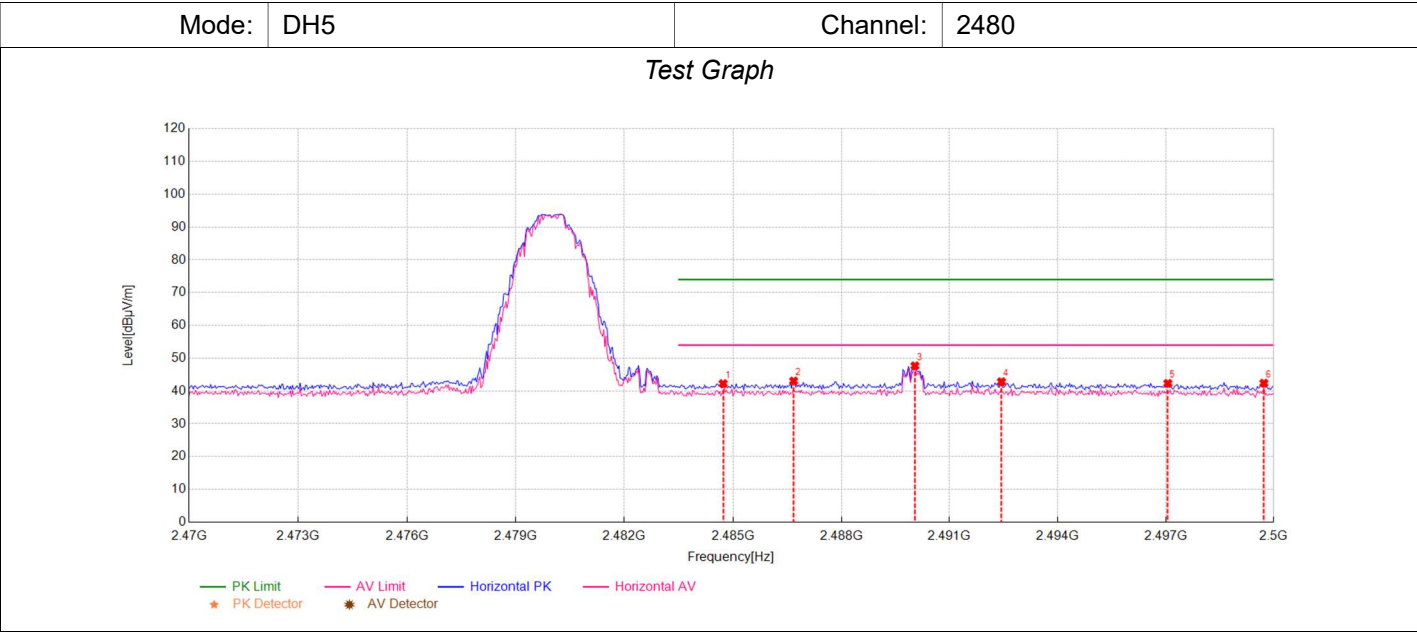
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2311.7750	38.42	41.19	2.77	74.00	32.81	150	159	PK	Horizontal	PASS
2	2320.1625	39.24	42.16	2.92	74.00	31.84	150	227	PK	Horizontal	PASS
3	2321.7500	40.85	43.74	2.89	74.00	30.26	150	208	PK	Horizontal	PASS
4	2353.0500	39.05	42.01	2.96	74.00	31.99	150	94	PK	Horizontal	PASS
5	2371.2625	38.65	41.68	3.03	74.00	32.32	150	283	PK	Horizontal	PASS
6	2382.6125	38.50	41.52	3.02	74.00	32.48	150	283	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

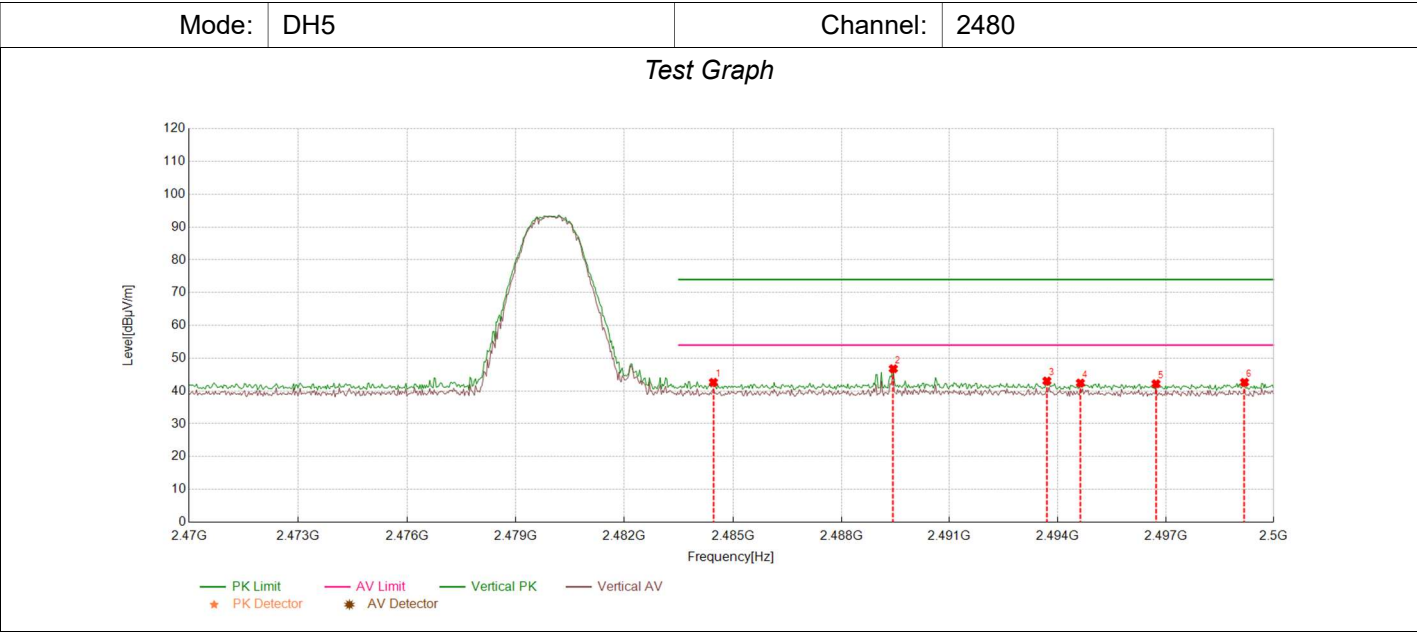


Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2484.7300	38.75	42.27	3.52	74.00	31.73	150	20	PK	Horizontal	PASS
2	2486.6800	39.54	43.06	3.52	74.00	30.94	150	296	PK	Horizontal	PASS
3	2490.0400	44.13	47.70	3.57	74.00	26.30	150	168	PK	Horizontal	PASS
4	2492.4400	39.28	42.84	3.56	74.00	31.16	150	85	PK	Horizontal	PASS
5	2497.0600	38.75	42.34	3.59	74.00	31.66	150	325	PK	Horizontal	PASS
6	2499.7300	38.90	42.40	3.50	74.00	31.60	150	303	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2484.4600	39.15	42.65	3.50	74.00	31.35	150	110	PK	Vertical	PASS
2	2489.4400	43.24	46.80	3.56	74.00	27.20	150	168	PK	Vertical	PASS
3	2493.7000	39.48	43.07	3.59	74.00	30.93	150	210	PK	Vertical	PASS
4	2494.6300	38.89	42.46	3.57	74.00	31.54	150	238	PK	Vertical	PASS
5	2496.7300	38.63	42.21	3.58	74.00	31.79	150	250	PK	Vertical	PASS
6	2499.1900	39.15	42.65	3.50	74.00	31.35	150	348	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level