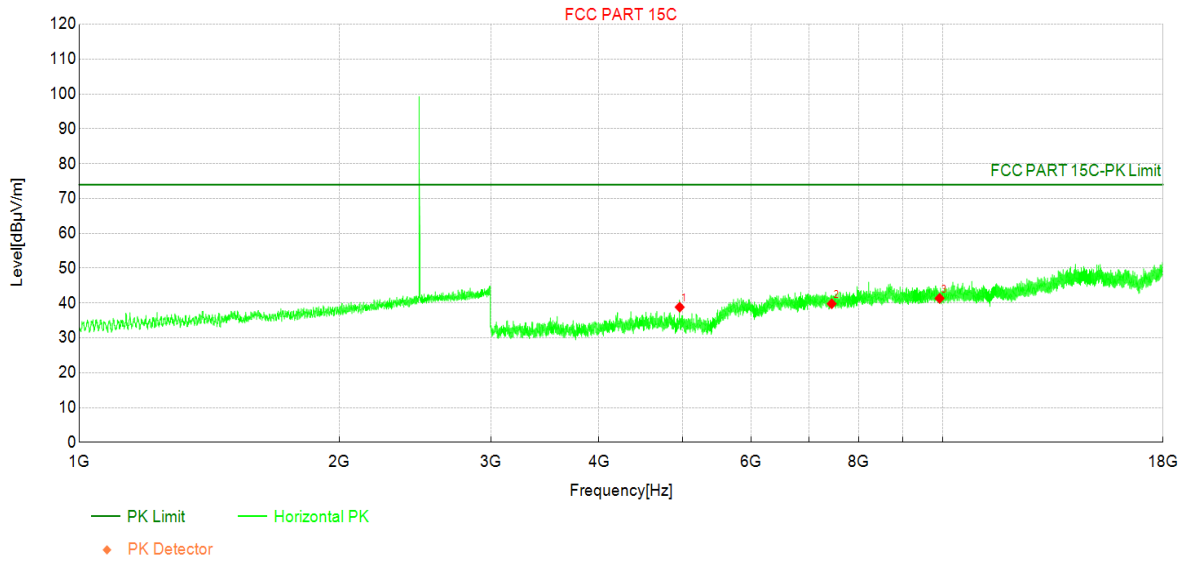
Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode1:Transmit at 2480MHz by DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



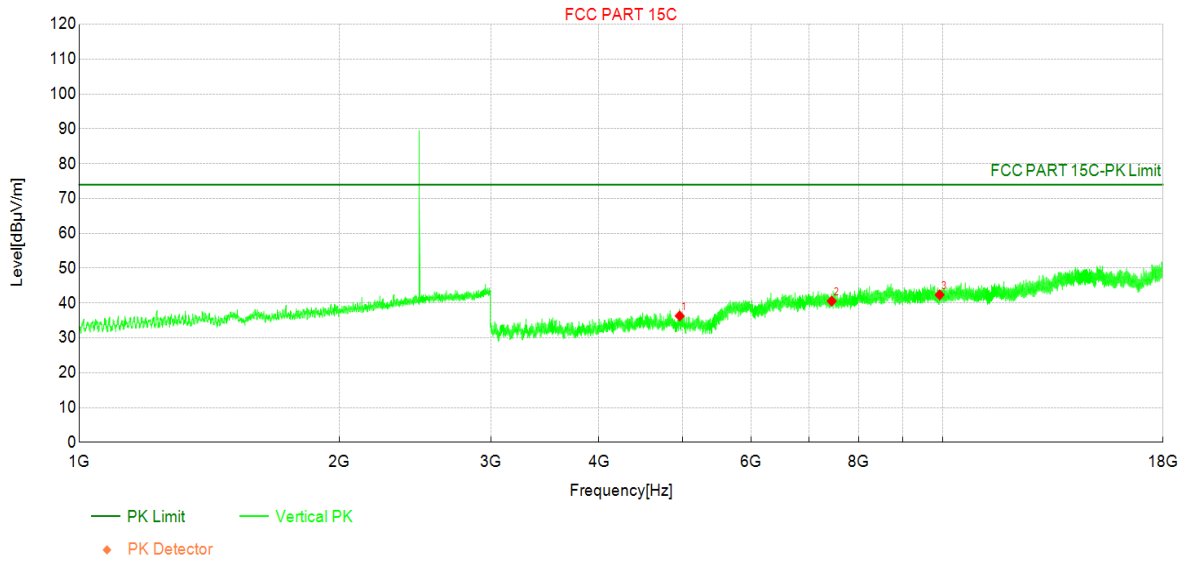
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	44.08	38.81	-5.27	74.00	35.19	PK	Horizo	PASS
	4960.00	-	17.57	-	54.00	36.43	AV	Horizo	PASS
2	7440.00	37.24	39.80	2.56	74.00	34.20	PK	Horizo	PASS
	7440.00	-	18.56	-	54.00	35.44	AV	Horizo	PASS
3	9920.00	35.73	41.35	5.62	74.00	32.65	PK	Horizo	PASS
	9920.00	-	20.11	-	54.00	33.89	AV	Horizo	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode1:Transmit at 2480MHz by DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



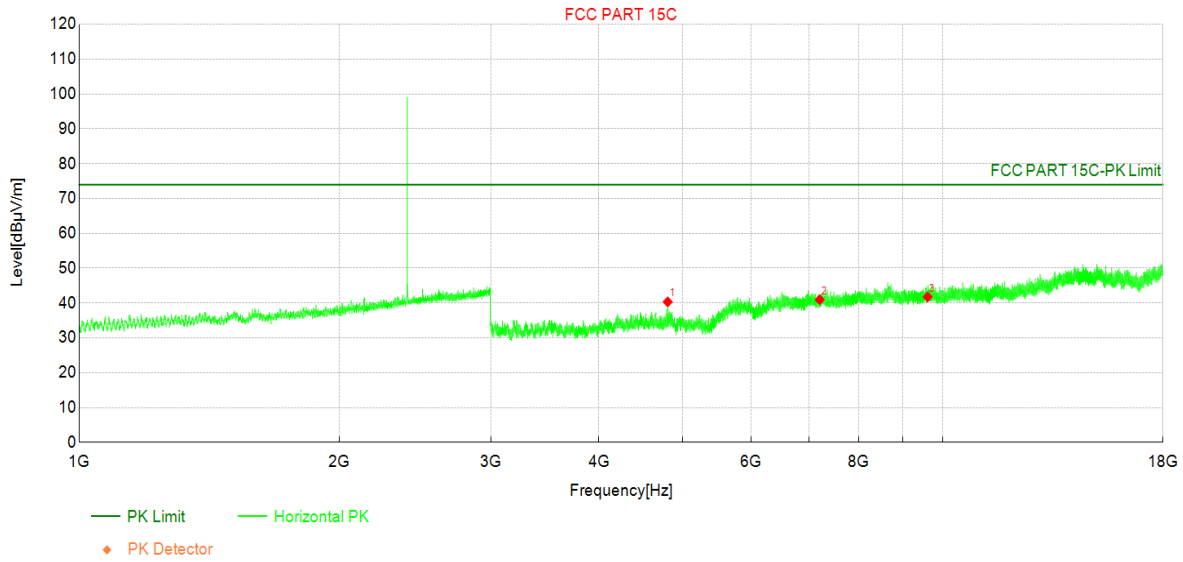
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	41.56	36.29	-5.27	74.00	37.71	PK	Vertic	PASS
	4960.00	-	15.05	-	54.00	38.95	AV	Vertic	PASS
2	7440.00	38.01	40.57	2.56	74.00	33.43	PK	Vertic	PASS
	7440.00	-	19.33	-	54.00	34.67	AV	Vertic	PASS
3	9920.00	36.74	42.36	5.62	74.00	31.64	PK	Vertic	PASS
	9920.00	-	21.12	-	54.00	32.88	AV	Vertic	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2402MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



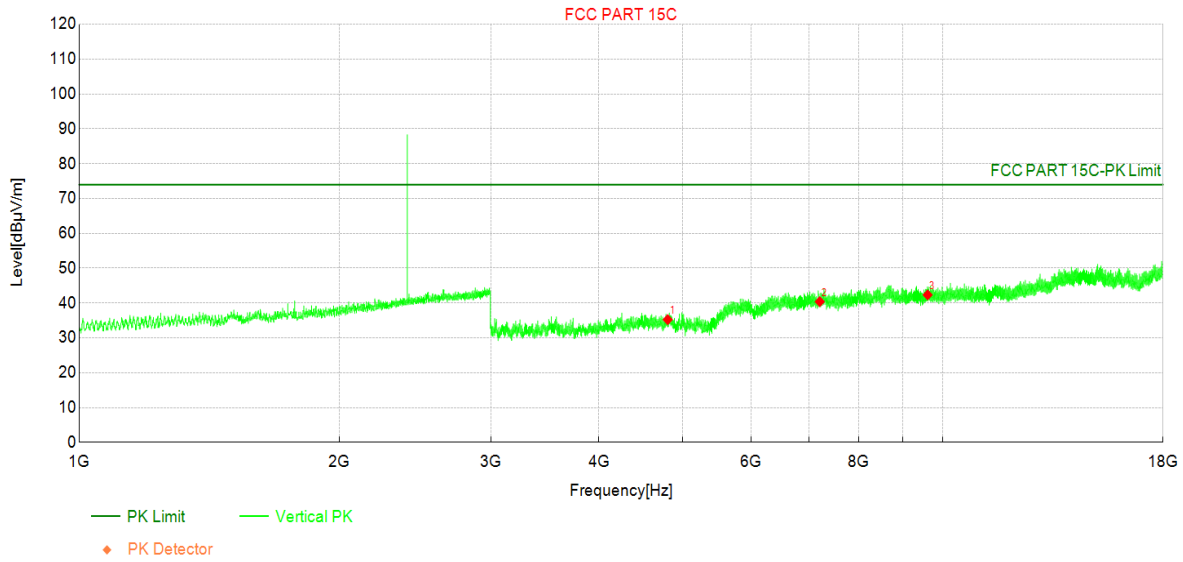
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	46.35	40.32	-6.03	74.00	33.68	PK	Horizo	PASS
	4804.00	-	19.08	-	54.00	34.92	AV	Horizo	PASS
2	7206.00	37.99	40.96	2.97	74.00	33.04	PK	Horizo	PASS
	7206.00	-	19.72	-	54.00	34.28	AV	Horizo	PASS
3	9608.00	35.82	41.76	5.94	74.00	32.24	PK	Horizo	PASS
	9608.00	-	20.52	-	54.00	33.48	AV	Horizo	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2402MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



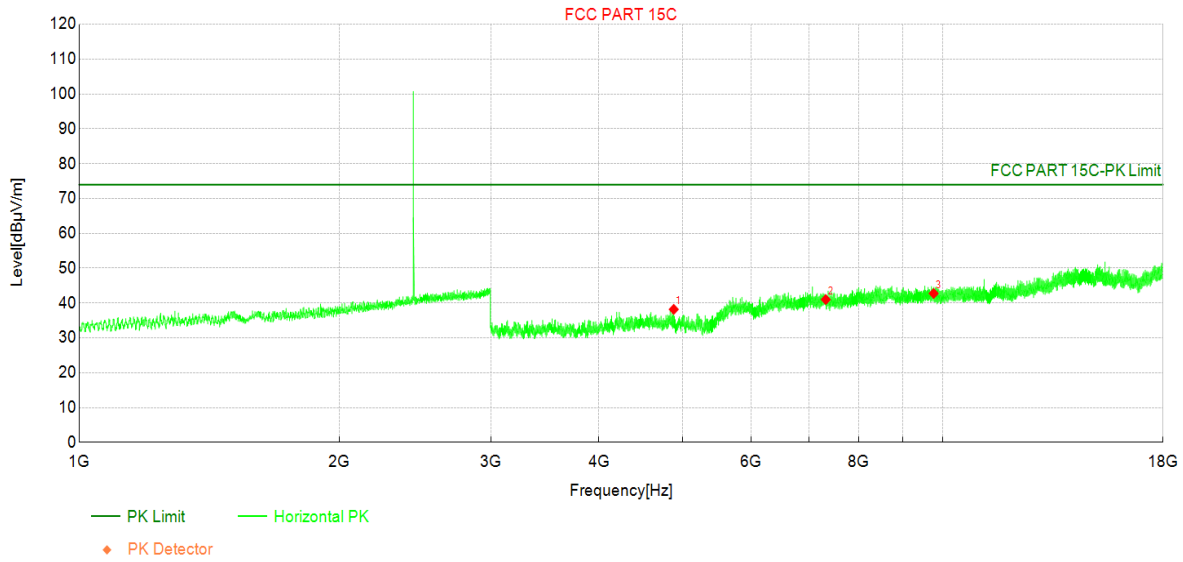
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	41.27	35.24	-6.03	74.00	38.76	PK	Vertic	PASS
	4804.00	-	14.00	-	54.00	40.00	AV	Vertic	PASS
2	7206.00	37.42	40.39	2.97	74.00	33.61	PK	Vertic	PASS
	7206.00	-	19.15	-	54.00	34.85	AV	Vertic	PASS
3	9608.00	36.40	42.34	5.94	74.00	31.66	PK	Vertic	PASS
	9608.00	-	21.10	-	54.00	32.90	AV	Vertic	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2441MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



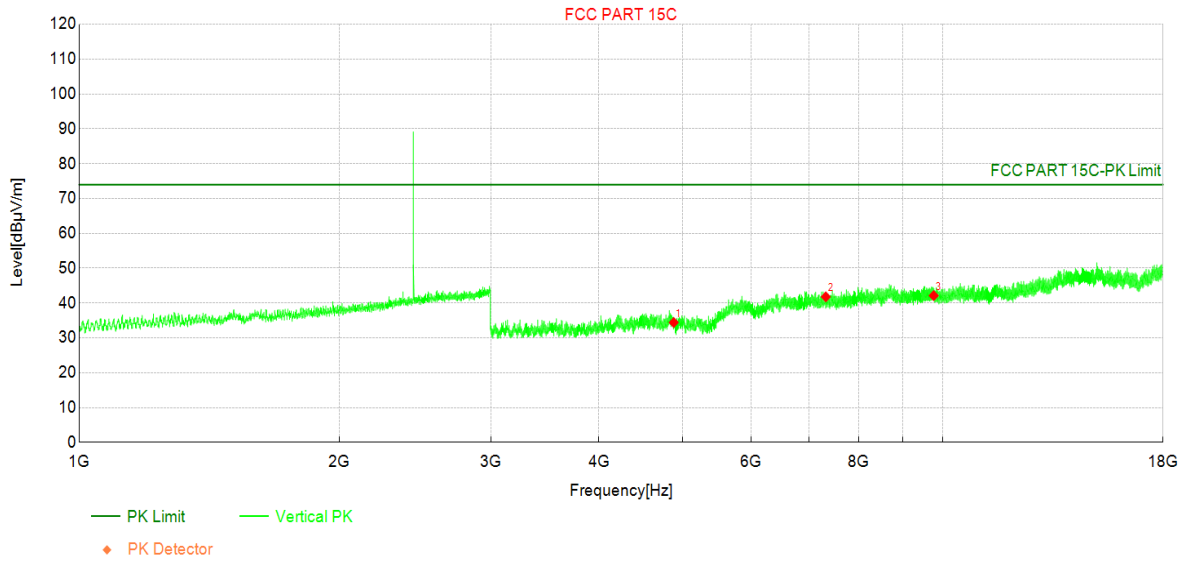
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	44.25	38.17	-6.08	74.00	35.83	PK	Horizo	PASS
	4882.00	-	16.93	-	54.00	37.07	AV	Horizo	PASS
2	7323.00	38.21	40.99	2.78	74.00	33.01	PK	Horizo	PASS
	7323.00	-	19.75	-	54.00	34.25	AV	Horizo	PASS
3	9764.00	36.62	42.74	6.12	74.00	31.26	PK	Horizo	PASS
	9764.00	-	21.50	-	54.00	32.50	AV	Horizo	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2441MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



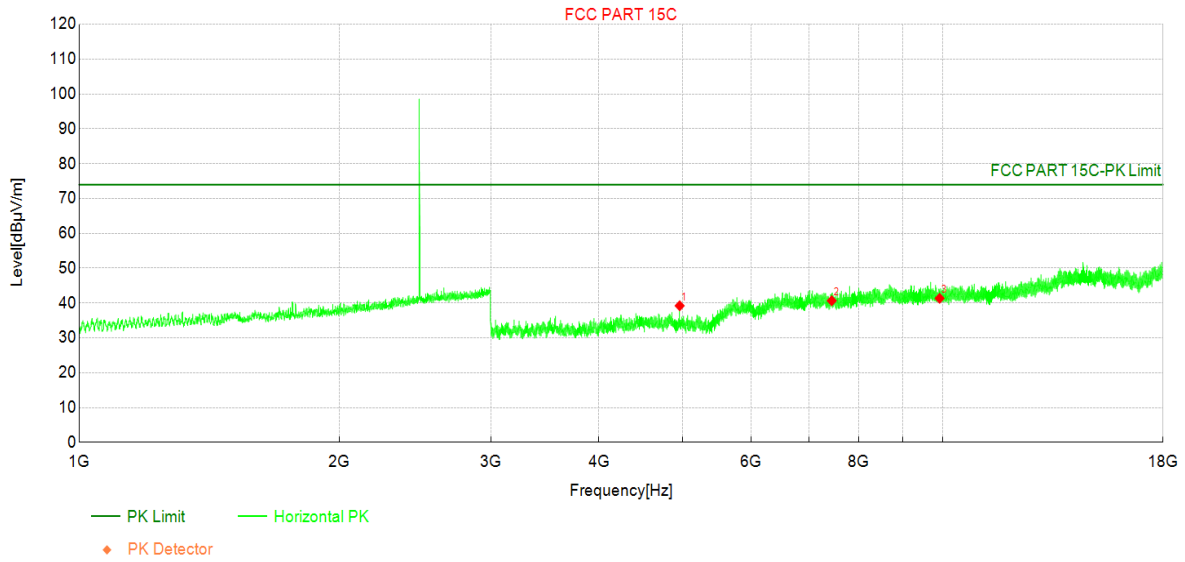
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	40.49	34.41	-6.08	74.00	39.59	PK	Vertic	PASS
	4882.00	-	13.17	-	54.00	40.83	AV	Vertic	PASS
2	7323.00	39.00	41.78	2.78	74.00	32.22	PK	Vertic	PASS
	7323.00	-	20.54	-	54.00	33.46	AV	Vertic	PASS
3	9764.00	36.00	42.12	6.12	74.00	31.88	PK	Vertic	PASS
	9764.00	-	20.88	-	54.00	33.12	AV	Vertic	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2480MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



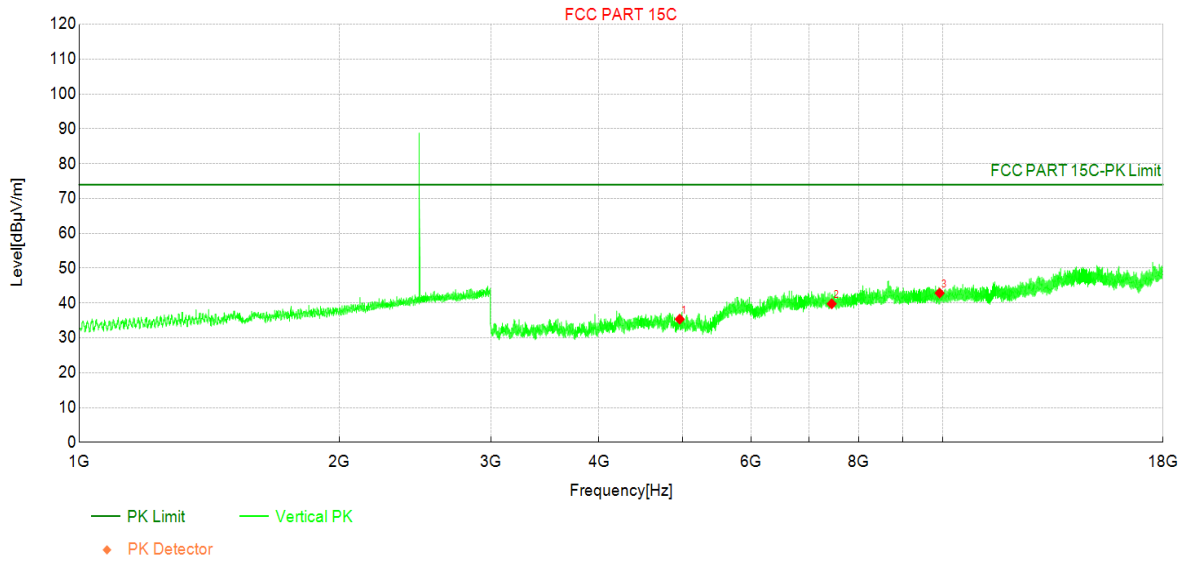
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	44.48	39.21	-5.27	74.00	34.79	PK	Horizontal	PASS
	4960.00	-	20.47	-	54.00	33.53	AV	Horizontal	PASS
2	7440.00	38.10	40.66	2.56	74.00	33.34	PK	Horizontal	PASS
	7440.00	-	21.92	-	54.00	32.08	AV	Horizontal	PASS
3	9920.00	35.73	41.35	5.62	74.00	32.65	PK	Horizontal	PASS
	9920.00	-	22.61	-	54.00	31.39	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode2:Transmit at 2480MHz by 2DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



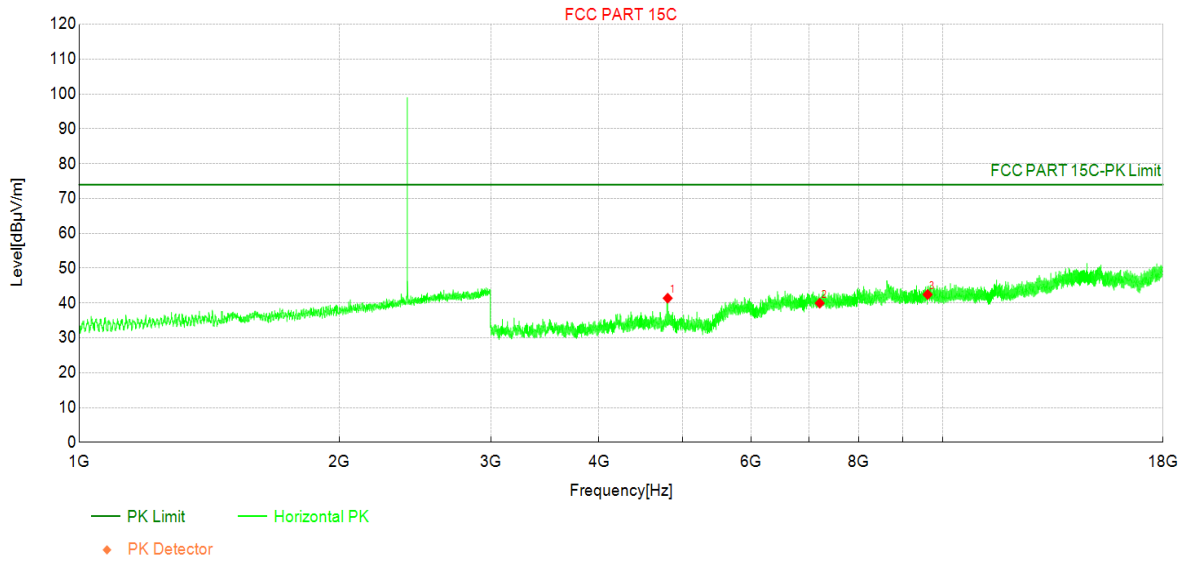
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	40.63	35.36	-5.27	74.00	38.64	PK	Vertical	PASS
	4960.00	-	16.62	-	54.00	37.38	AV	Vertical	PASS
2	7440.00	37.22	39.78	2.56	74.00	34.22	PK	Vertical	PASS
	7440.00	-	21.04	-	54.00	32.96	AV	Vertical	PASS
3	9920.00	37.23	42.85	5.62	74.00	31.15	PK	Vertical	PASS
	9920.00	-	24.11	-	54.00	29.89	AV	Vertical	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2402MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



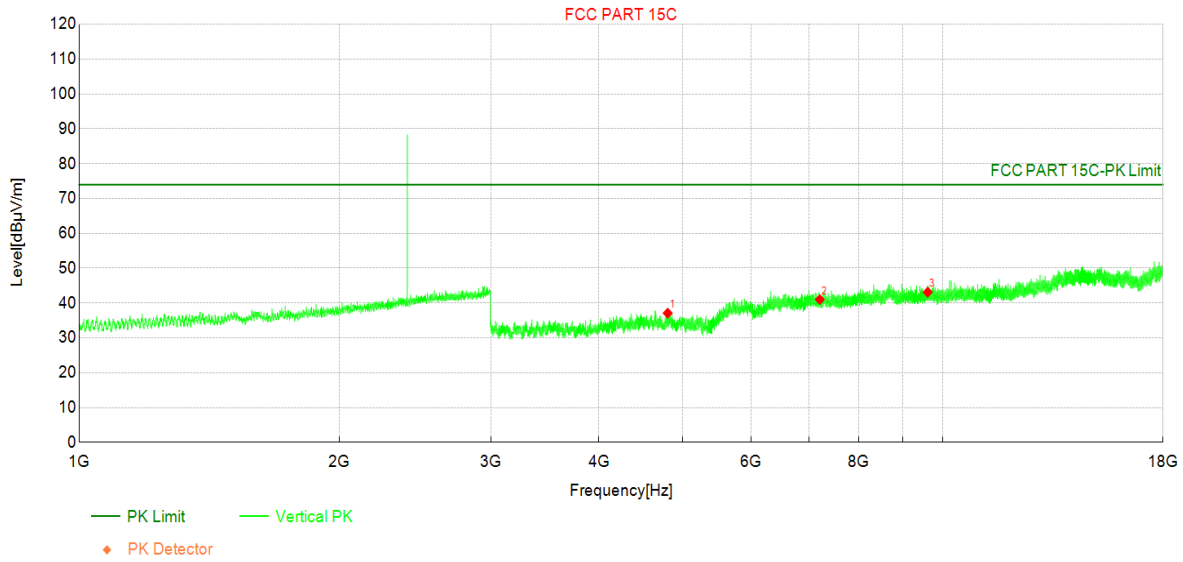
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	47.41	41.38	-6.03	74.00	32.62	PK	Horizontal	PASS
	4804.00	-	22.64	-	54.00	31.36	AV	Horizontal	PASS
2	7206.00	36.99	39.96	2.97	74.00	34.04	PK	Horizontal	PASS
	7206.00	-	21.22	-	54.00	32.78	AV	Horizontal	PASS
3	9608.00	36.51	42.45	5.94	74.00	31.55	PK	Horizontal	PASS
	9608.00	-	23.71	-	54.00	30.29	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2402MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



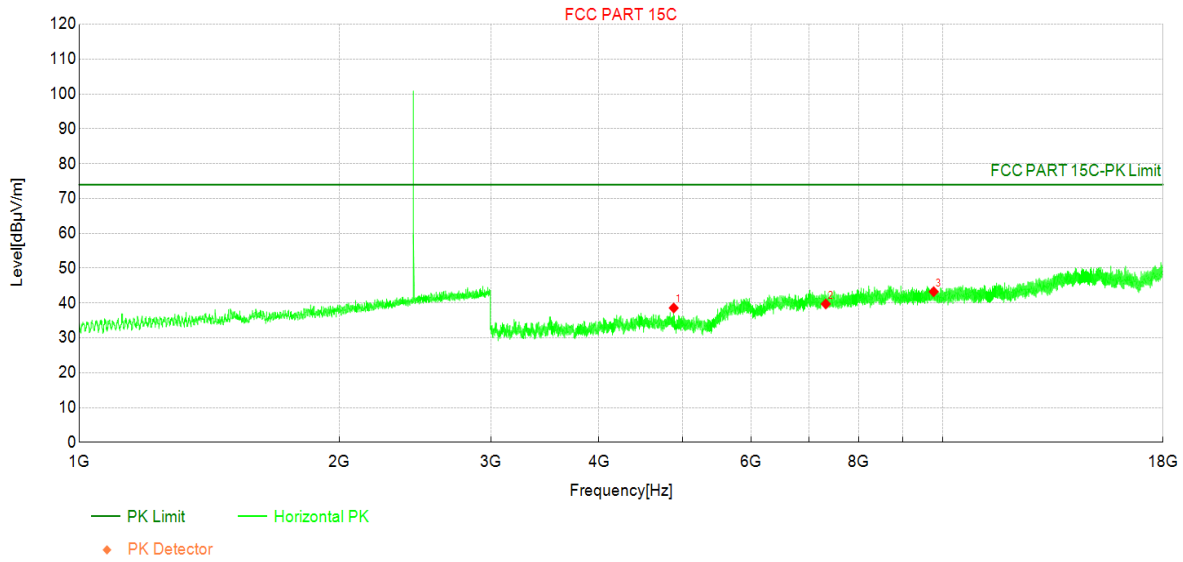
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4804.00	43.12	37.09	-6.03	74.00	36.91	PK	Vertical	PASS
	4804.00	-	18.35	-	54.00	35.65	AV	Vertical	PASS
2	7206.00	38.04	41.01	2.97	74.00	32.99	PK	Vertical	PASS
	7206.00	-	22.27	-	54.00	31.73	AV	Vertical	PASS
3	9608.00	37.17	43.11	5.94	74.00	30.89	PK	Vertical	PASS
	9608.00	-	24.37	-	54.00	29.63	AV	Vertical	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2441MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



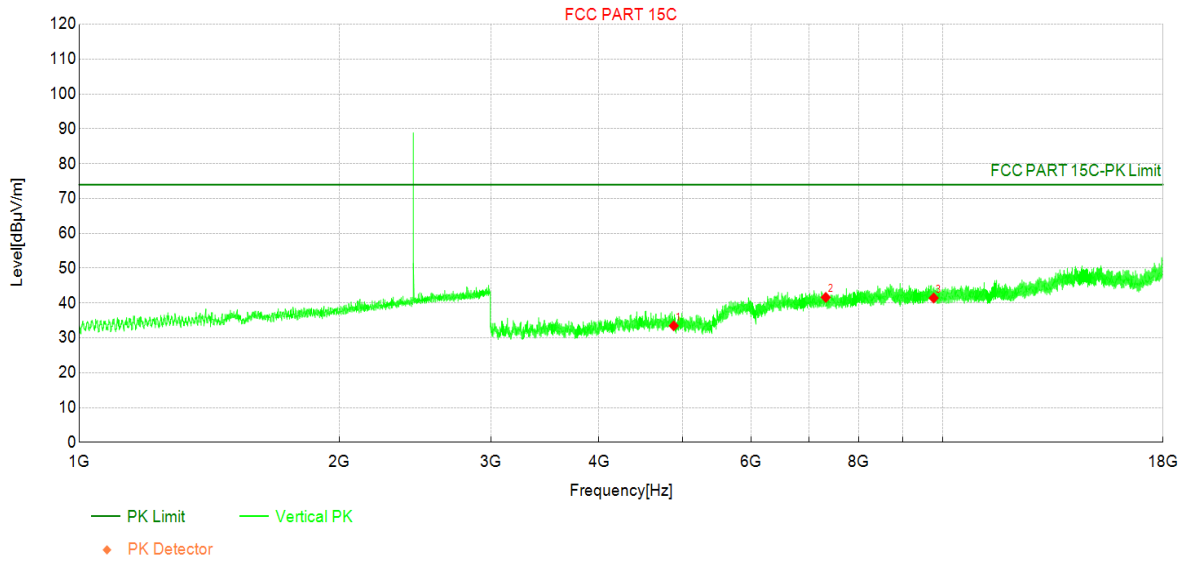
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	44.65	38.57	-6.08	74.00	35.43	PK	Horizontal	PASS
	4882.00	-	19.83	-	54.00	34.17	AV	Horizontal	PASS
2	7323.00	36.95	39.73	2.78	74.00	34.27	PK	Horizontal	PASS
	7323.00	-	20.99	-	54.00	33.01	AV	Horizontal	PASS
3	9764.00	37.14	43.26	6.12	74.00	30.74	PK	Horizontal	PASS
	9764.00	-	24.52	-	54.00	29.48	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2441MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



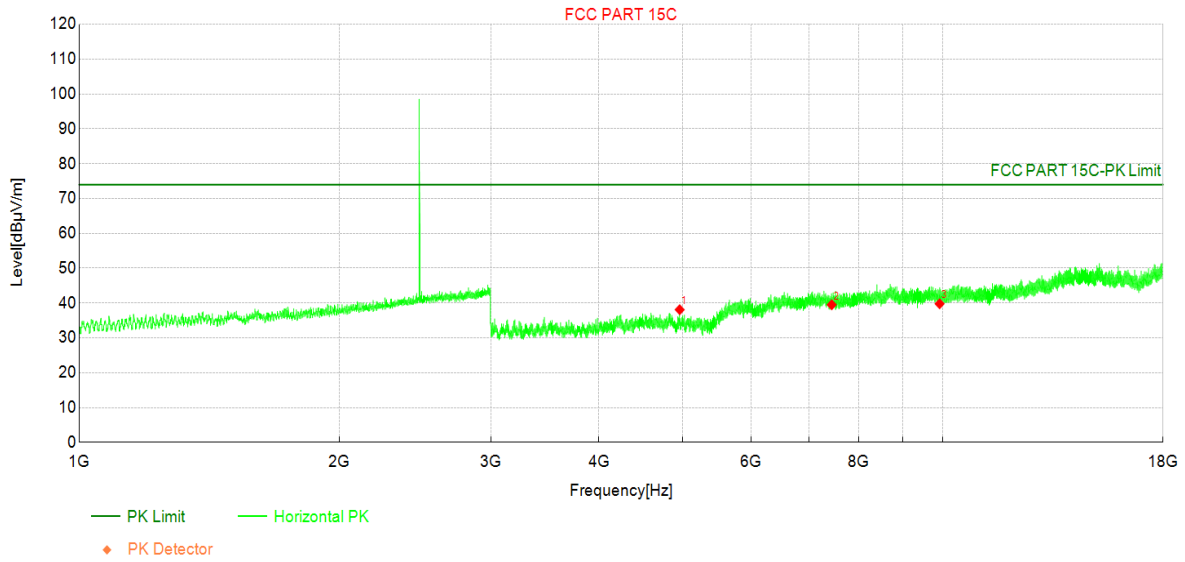
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4882.00	39.55	33.47	-6.08	74.00	40.53	PK	Vertical	PASS
	4882.00	-	14.73	-	54.00	39.27	AV	Vertical	PASS
2	7323.00	38.84	41.62	2.78	74.00	32.38	PK	Vertical	PASS
	7323.00	-	22.88	-	54.00	31.12	AV	Vertical	PASS
3	9764.00	35.32	41.44	6.12	74.00	32.56	PK	Vertical	PASS
	9764.00	-	22.70	-	54.00	31.30	AV	Vertical	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2480MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



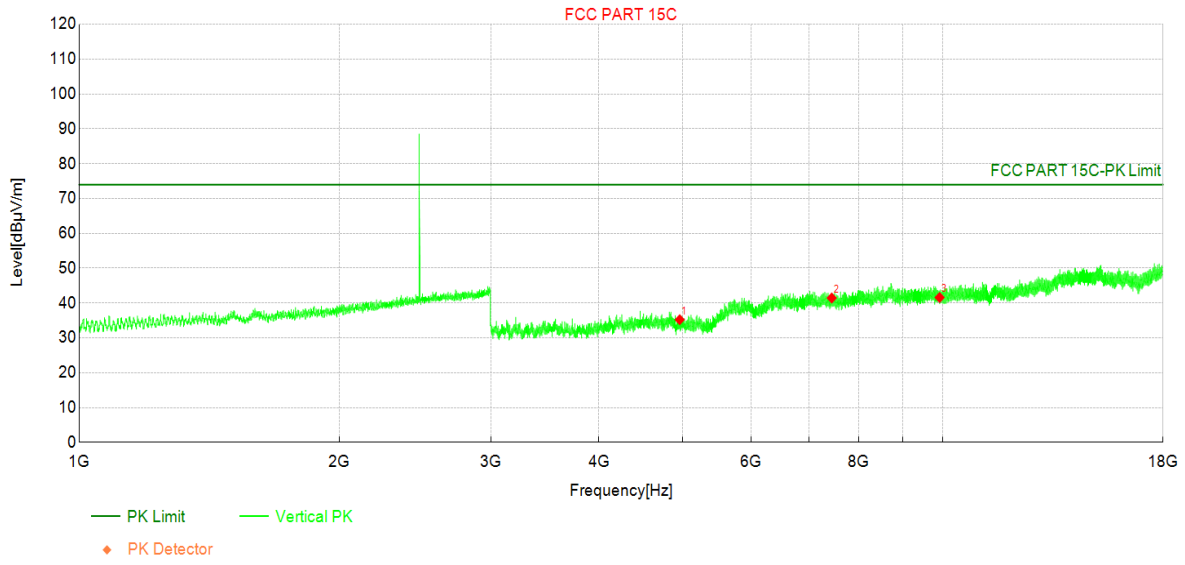
Suspected Data List

NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	43.36	38.09	-5.27	74.00	35.91	PK	Horizontal	PASS
	4960.00	-	13.33	-	54.00	40.67	AV	Horizontal	PASS
2	7440.00	36.94	39.50	2.56	74.00	34.50	PK	Horizontal	PASS
	7440.00	-	14.74	-	54.00	39.26	AV	Horizontal	PASS
3	9920.00	34.15	39.77	5.62	74.00	34.23	PK	Horizontal	PASS
	9920.00	-	15.01	-	54.00	38.99	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2480MHz by 3DH5	Voltage:	By Battery
Environment:	Temp: 25℃; Humi:60%	Enginee	Yu Liu
Test Standard:	FCC PART 15C		

Test Graph



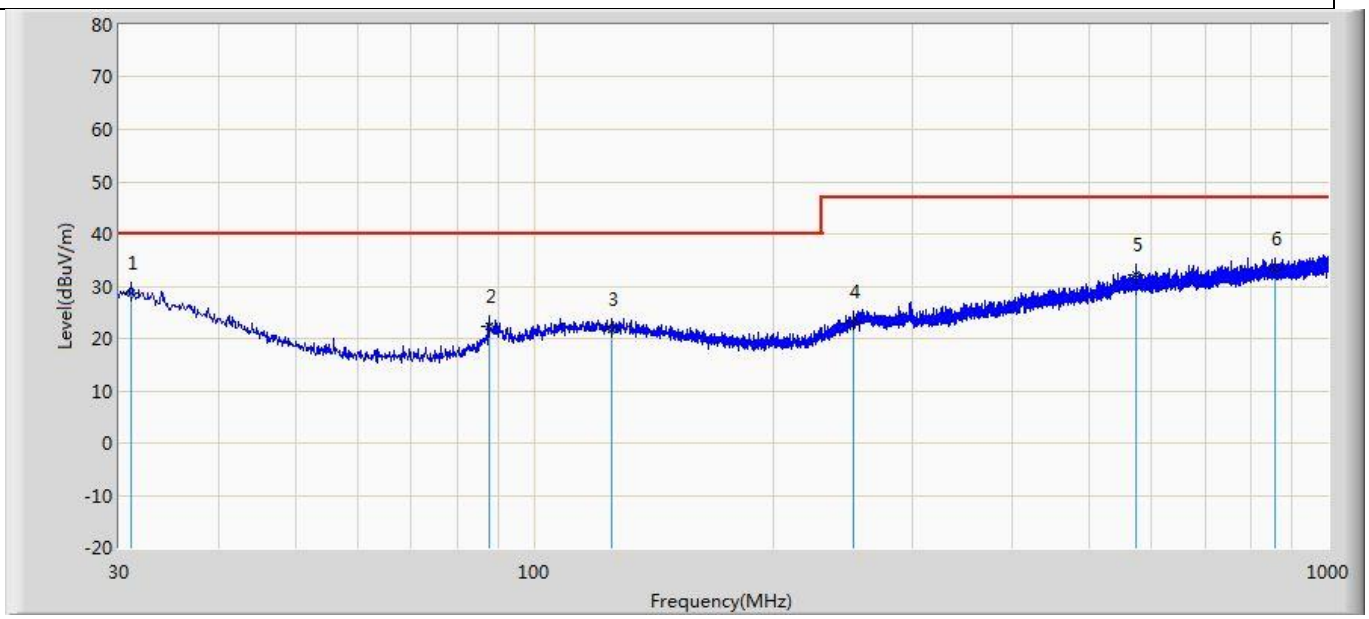
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4960.00	40.48	35.21	-5.27	74.00	38.79	PK	Vertical	PASS
	4960.00	-	10.45	-	54.00	43.55	AV	Vertical	PASS
2	7440.00	38.88	41.44	2.56	74.00	32.56	PK	Vertical	PASS
	7440.00	-	16.68	-	54.00	37.32	AV	Vertical	PASS
3	9920.00	35.96	41.58	5.62	74.00	32.42	PK	Vertical	PASS
	9920.00	-	16.82	-	54.00	37.18	AV	Vertical	PASS

Note:
1.Level=Reading+Factor
2. Margin=Limit-Level, AV Level = PK Level + Duty Cycle Factor.
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.

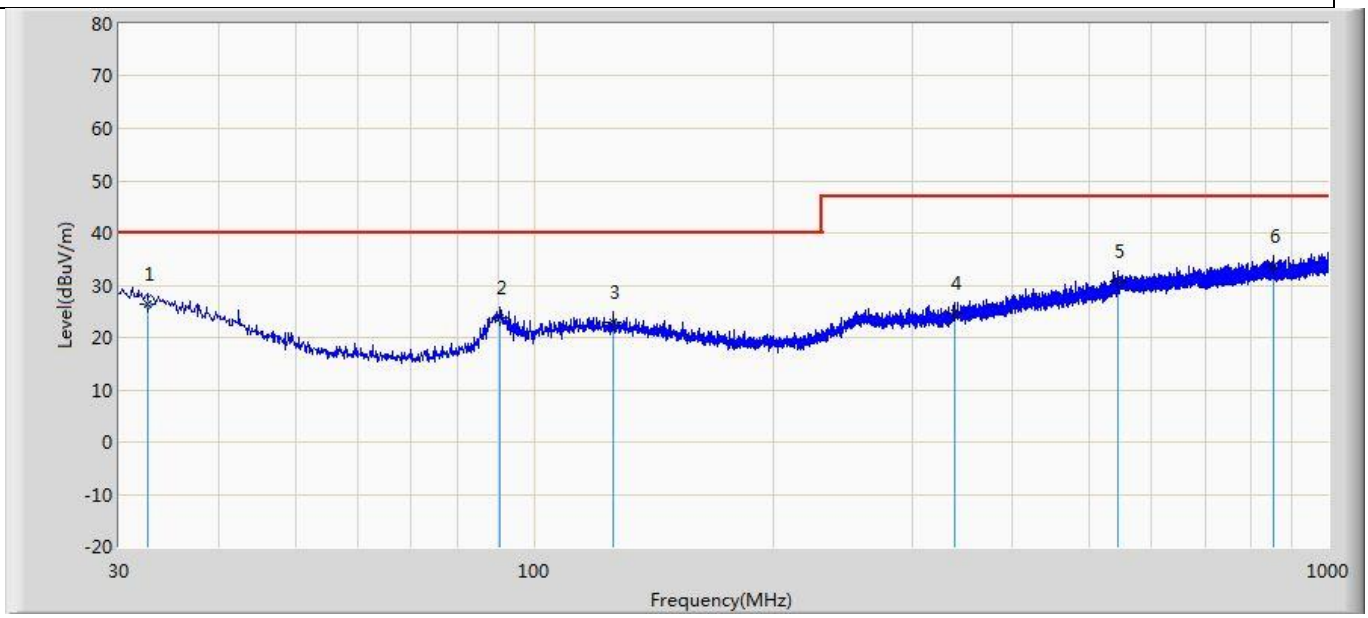
The worst case of Radiated Emission below 1GHz :

Profile: 24C0967R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:20
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Horizontal
EUT: Mobile Computer	Power: By Battery
Note: Mode1:Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	31.091	28.636	4.005	-11.364	40.000	24.631	QP
2		87.836	22.291	6.662	-17.709	40.000	15.629	QP
3		125.424	21.698	2.609	-18.302	40.000	19.090	QP
4		252.372	23.205	2.855	-23.795	47.000	20.350	QP
5		573.321	32.185	4.930	-14.815	47.000	27.254	QP
6		859.229	33.391	3.812	-13.609	47.000	29.580	QP

Profile: 24C0967R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:21
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Vertical
EUT: Mobile Computer	Power: By Battery
Note: Mode1:Transmit at 2402MHz by DH5	

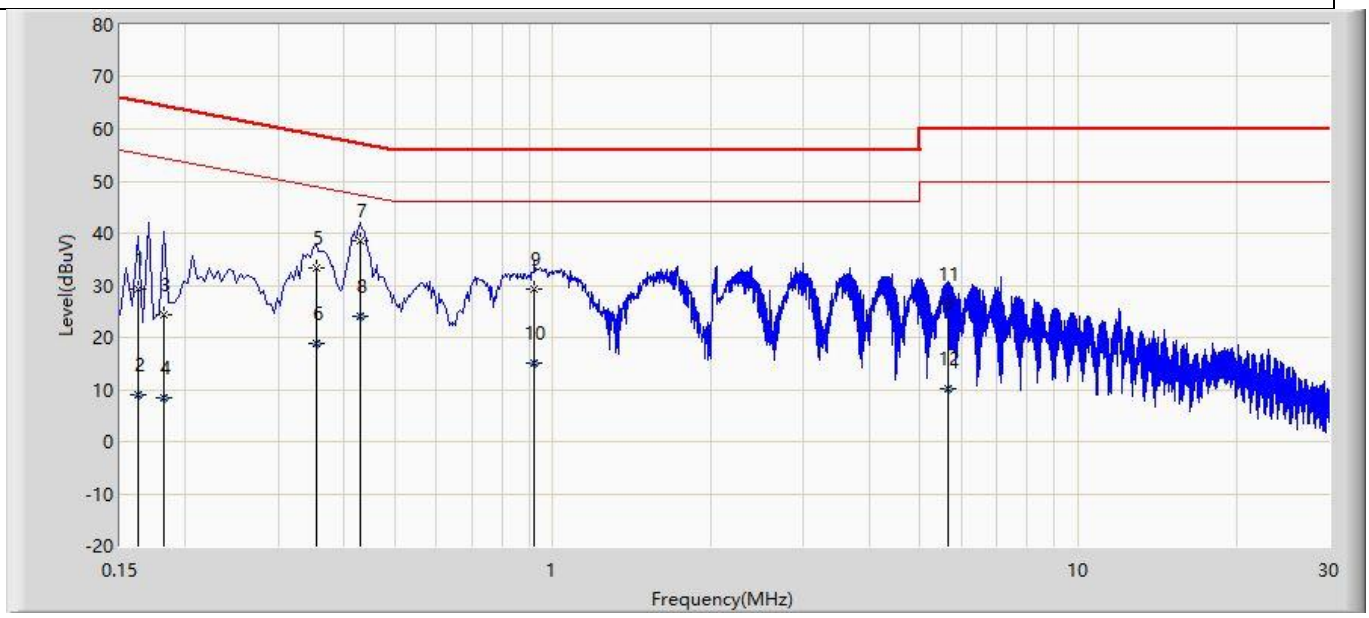


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		32.667	26.398	2.447	-13.602	40.000	23.951	QP
2		90.504	23.897	7.740	-16.103	40.000	16.157	QP
3		126.030	22.824	3.761	-17.176	40.000	19.063	QP
4		339.309	24.700	2.852	-22.300	47.000	21.848	QP
5		544.100	30.704	3.506	-16.296	47.000	27.198	QP
6	*	853.773	33.617	4.067	-13.383	47.000	29.551	QP

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

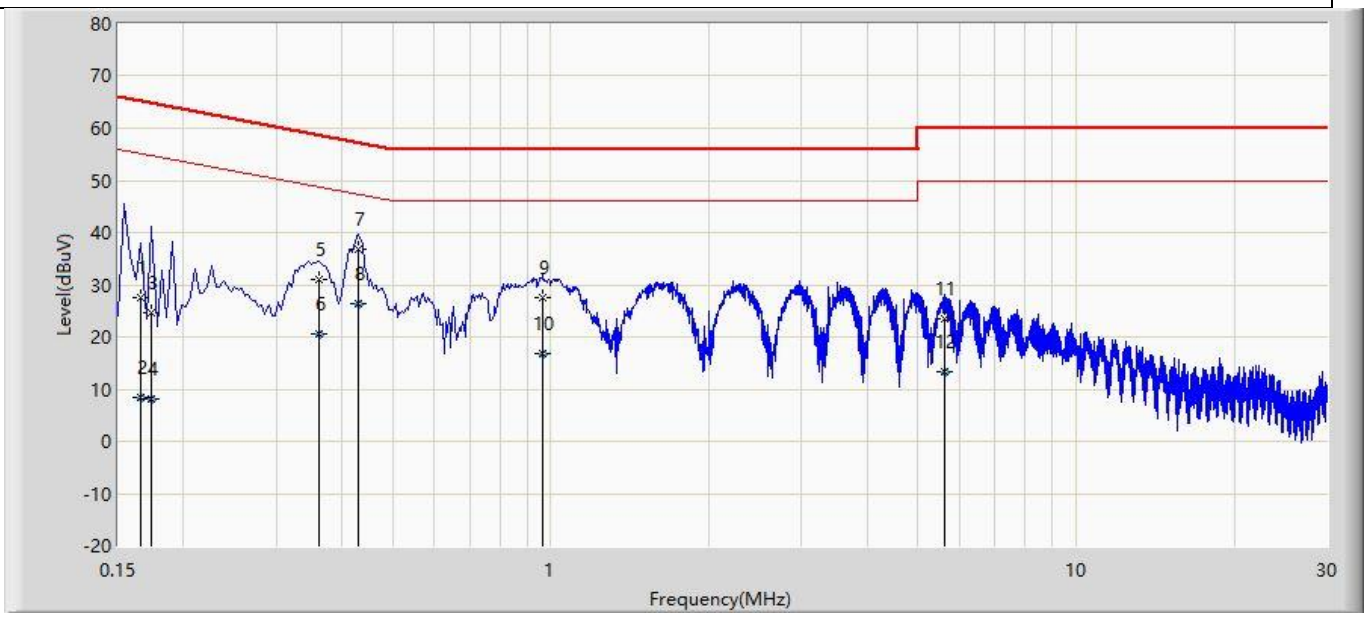
Appendix J: AC Power Line Conducted Emission

Profile: 24C0967R	Page No.: 5
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 18:06
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Mobile Computer	Power: 120Vac/60Hz
Note: Mode1:Transmit at 2402MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.162	29.344	19.638	-36.036	65.380	9.705	QP
2		0.162	8.952	-0.753	-46.428	55.380	9.705	AV
3		0.182	24.342	14.644	-40.052	64.394	9.698	QP
4		0.182	8.509	-1.189	-45.885	54.394	9.698	AV
5		0.354	33.338	23.618	-25.530	58.868	9.721	QP
6		0.354	18.705	8.984	-30.163	48.868	9.721	AV
7	*	0.430	38.592	28.857	-18.661	57.253	9.734	QP
8		0.430	24.069	14.334	-23.184	47.253	9.734	AV
9		0.922	29.331	19.592	-26.669	56.000	9.739	QP
10		0.922	14.955	5.216	-31.045	46.000	9.739	AV
11		5.646	26.335	16.466	-33.665	60.000	9.869	QP
12		5.646	10.259	0.390	-39.741	50.000	9.869	AV

Profile: 24C0967R	Page No.: 6
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 18:08
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Mobile Computer	Power: 120Vac/60Hz
Note: Mode1:Transmit at 2402MHz by DH5	



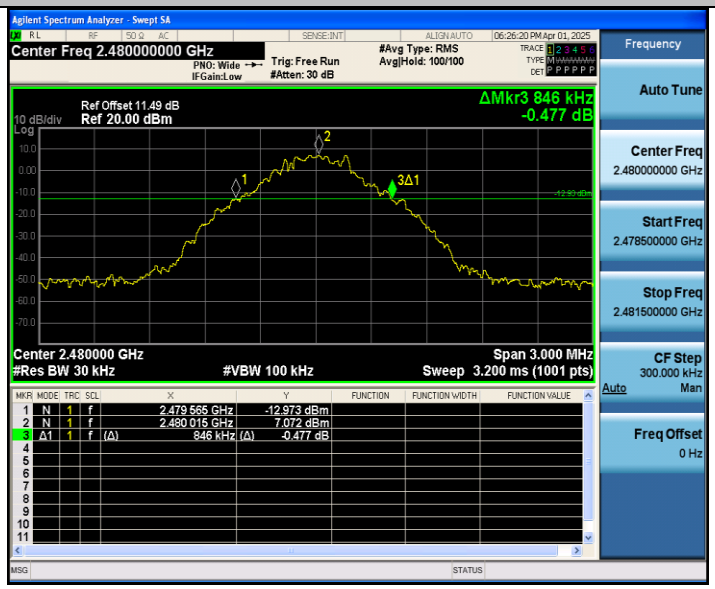
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.166	27.409	17.687	-37.765	65.174	9.722	QP
2		0.166	8.447	-1.274	-46.726	55.174	9.722	AV
3		0.174	24.530	14.818	-40.237	64.767	9.712	QP
4		0.174	8.167	-1.545	-46.600	54.767	9.712	AV
5		0.362	31.051	21.394	-27.631	58.682	9.657	QP
6		0.362	20.535	10.877	-28.148	48.682	9.657	AV
7	*	0.430	36.670	27.023	-20.582	57.253	9.647	QP
8		0.430	26.267	16.620	-20.986	47.253	9.647	AV
9		0.966	27.601	17.875	-28.399	56.000	9.726	QP
10		0.966	16.902	7.176	-29.098	46.000	9.726	AV
11		5.606	23.612	13.739	-36.388	60.000	9.872	QP
12		5.606	13.275	3.403	-36.725	50.000	9.872	AV

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

Appendix K: Variant spot check data

20dB Emission Bandwidth:

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2480	0.846	2479.565	2480.411	---	---
DH5_Ant1_2480							

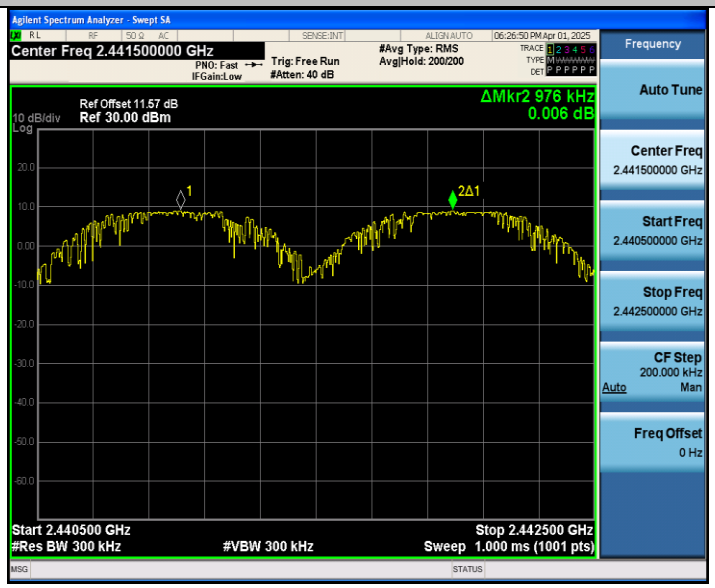


Maximum conducted output power:

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2480	9.79	≤30	PASS

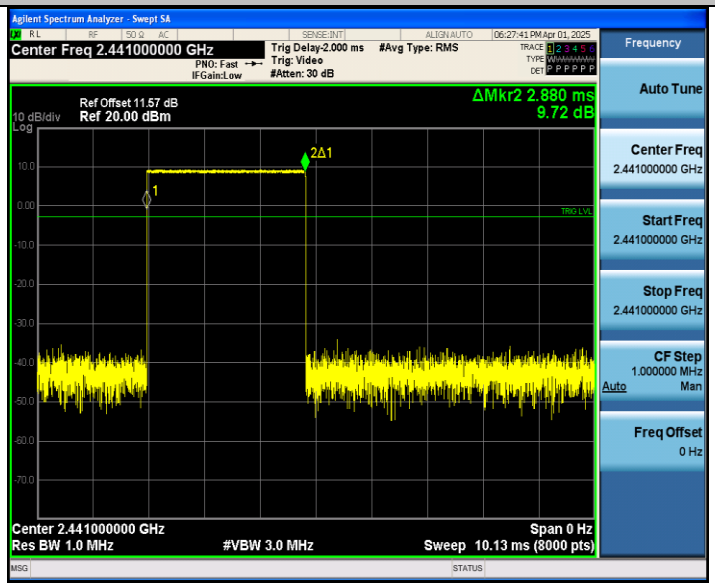
Carrier frequency separation:

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥0.846	PASS
DH5_Ant1_Hop					



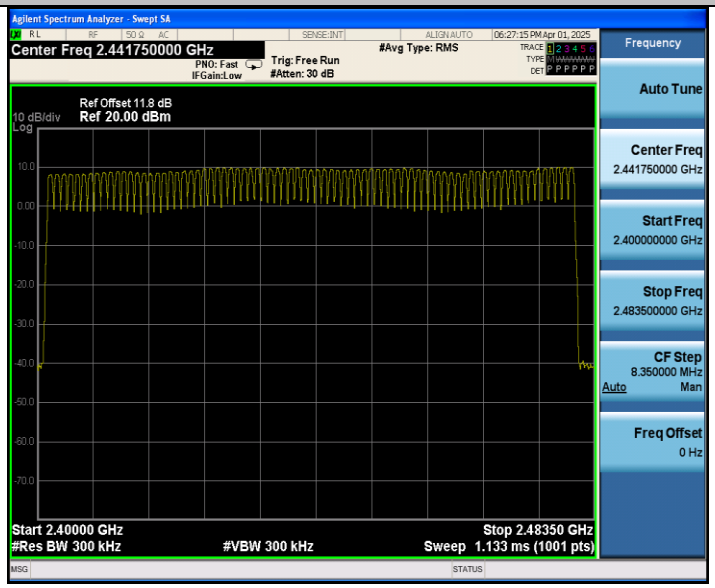
Time of occupancy：

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
DH5_Ant1_Hop							



Number of hopping channels:

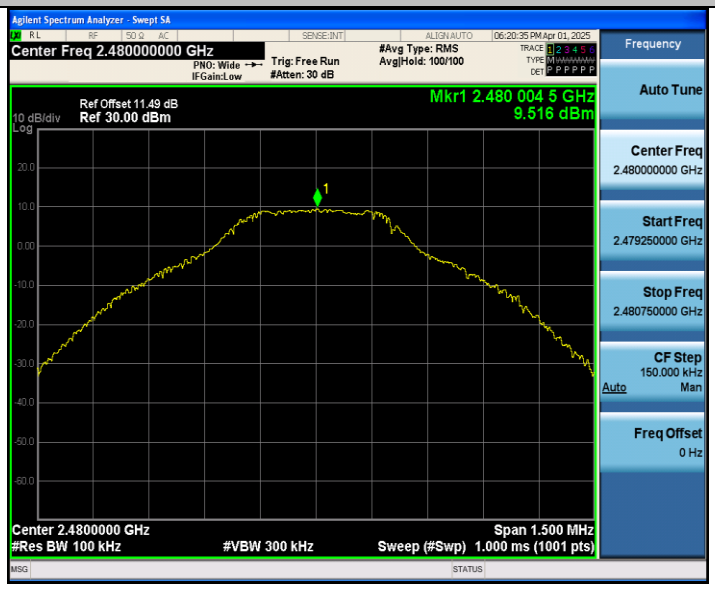
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
DH5_Ant1_Hop					



Emissions in non restricted frequency bands:

Test Result for Reference level:

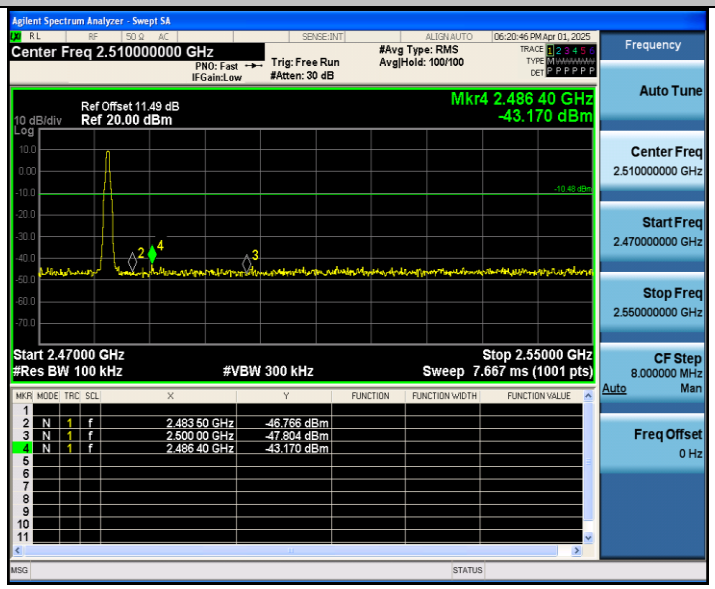
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2480	2480.00	9.52
DH5_Ant1_2480				



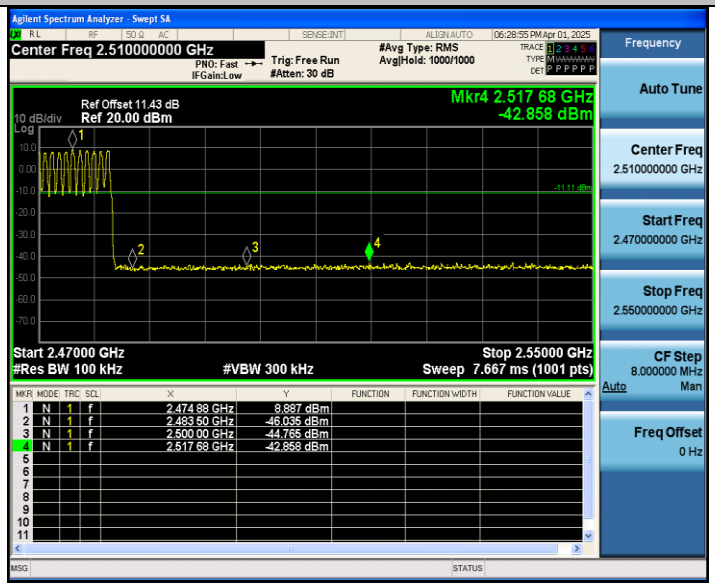
Test Result for Band edge:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	High	2480	9.52	-43.17	≤-10.48	PASS
			Hop_2480	8.89	-42.86	≤-11.11	PASS

DH5_Ant1_High_2480



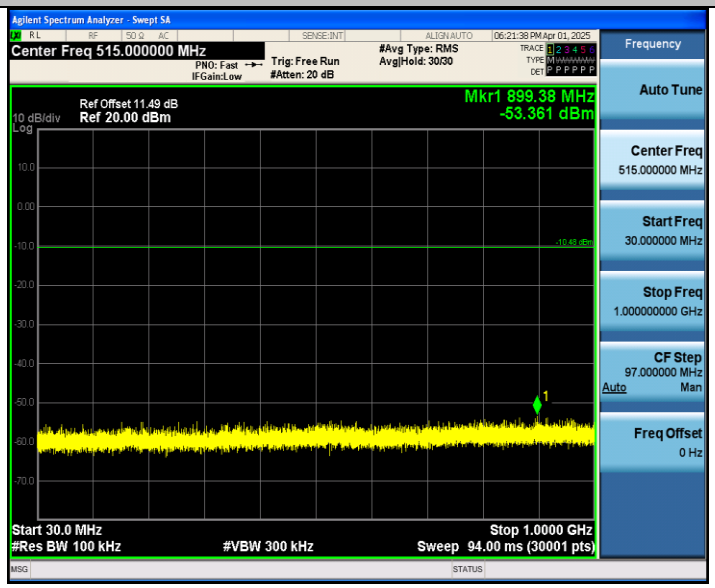
DH5_Ant1_High_Hop_2480



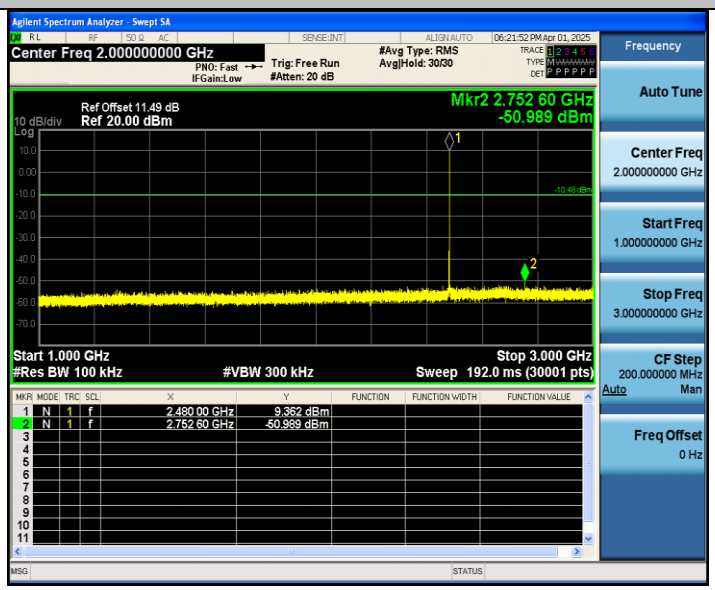
Test Result for Spurious Emission:

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2480	30~1000	9.52	-53.36	≤-10.48	PASS
			1000~3000	9.52	-50.99	≤-10.48	PASS
			3000~5000	9.52	-50.07	≤-10.48	PASS
			5000~7000	9.52	-52.09	≤-10.48	PASS
			7000~9000	9.52	-51.9	≤-10.48	PASS
			9000~11000	9.52	-51.19	≤-10.48	PASS
			11000~13000	9.52	-51.55	≤-10.48	PASS
			13000~15000	9.52	-46.86	≤-10.48	PASS
			15000~17000	9.52	-44.83	≤-10.48	PASS
			17000~19000	9.52	-44.08	≤-10.48	PASS
			19000~21000	9.52	-43.8	≤-10.48	PASS
			21000~23000	9.52	-43.39	≤-10.48	PASS
			23000~25000	9.52	-41.14	≤-10.48	PASS

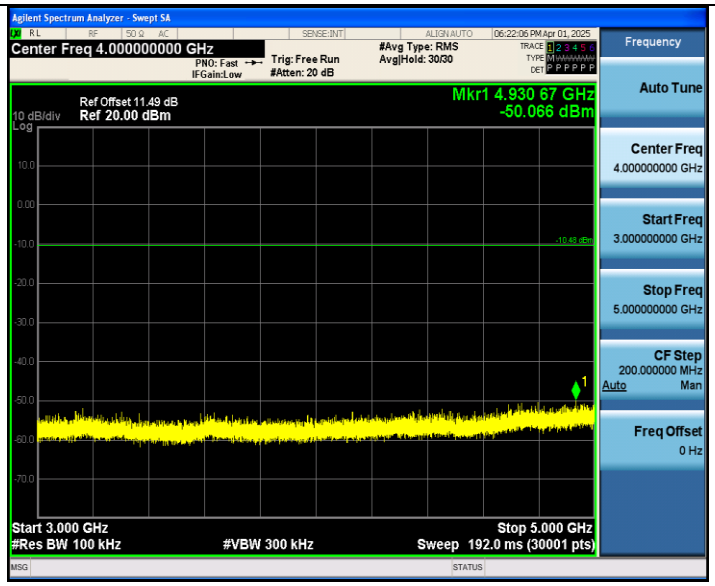
DH5_Ant1_2480_30~1000



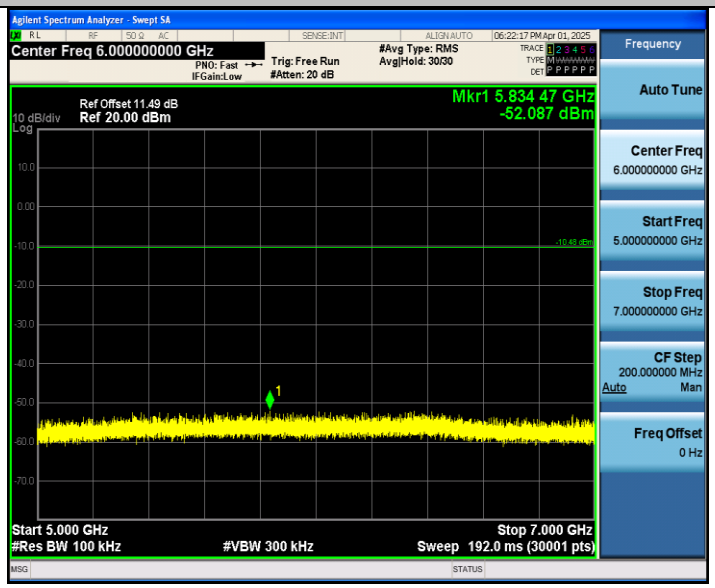
DH5_Ant1_2480_1000~3000



DH5_Ant1_2480_3000~5000

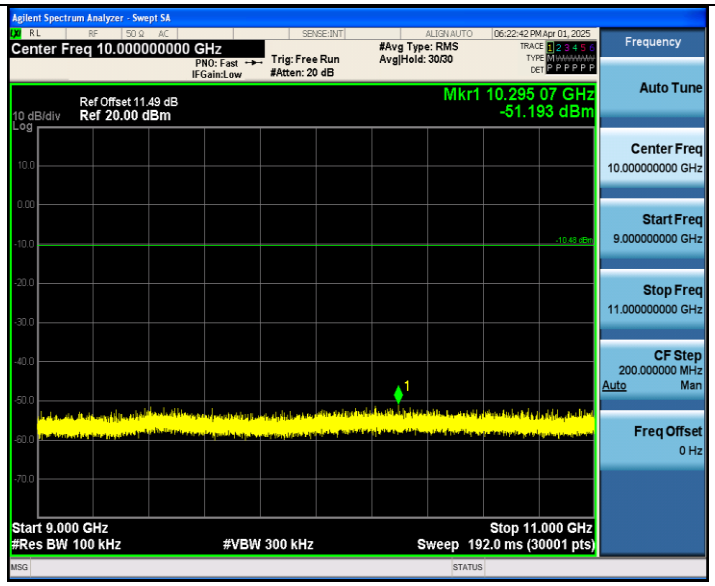


DH5_Ant1_2480_5000~7000

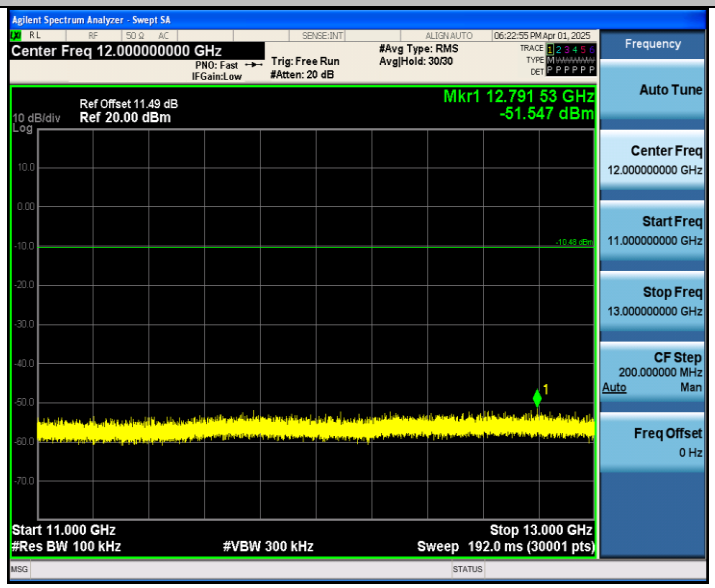


DH5_Ant1_2480_7000~9000

DH5_Ant1_2480_9000~11000

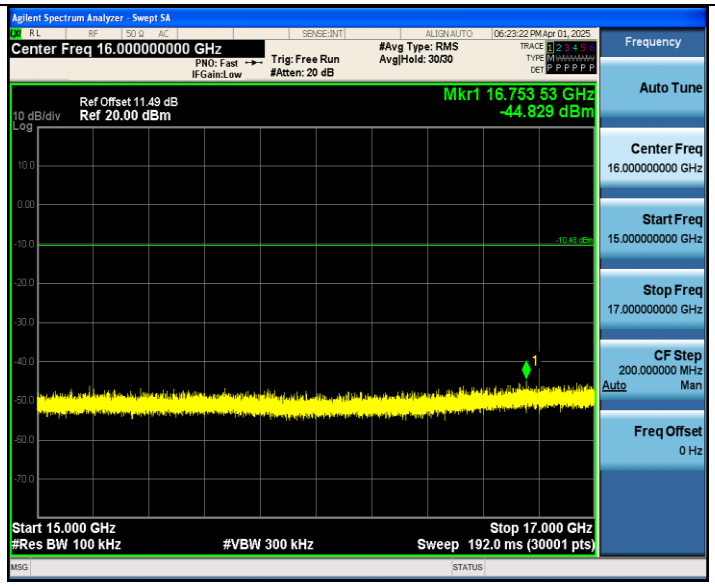


DH5_Ant1_2480_11000~13000

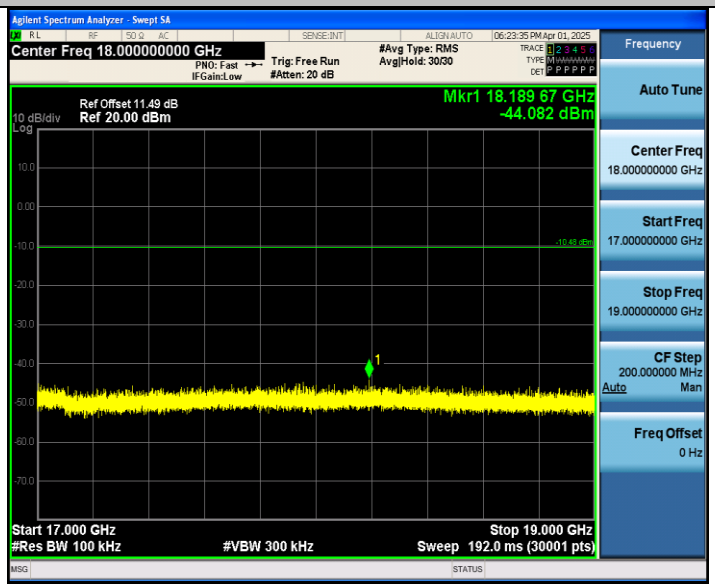


DH5_Ant1_2480_13000~15000

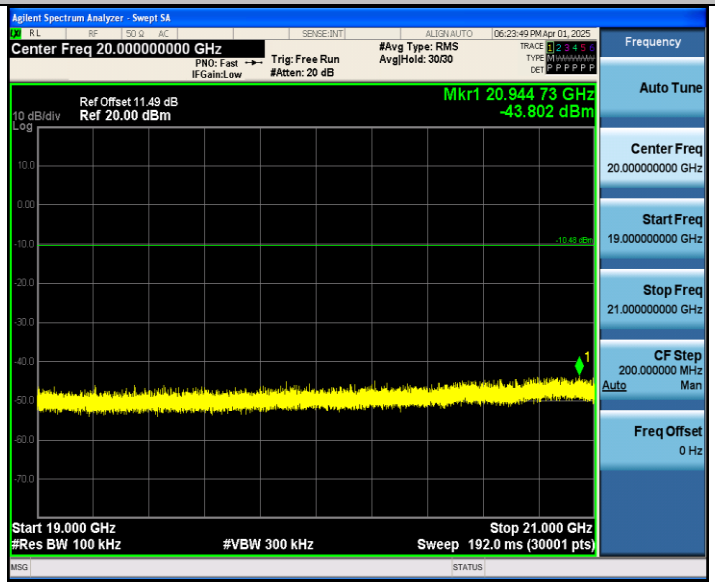
DH5_Ant1_2480_15000~17000



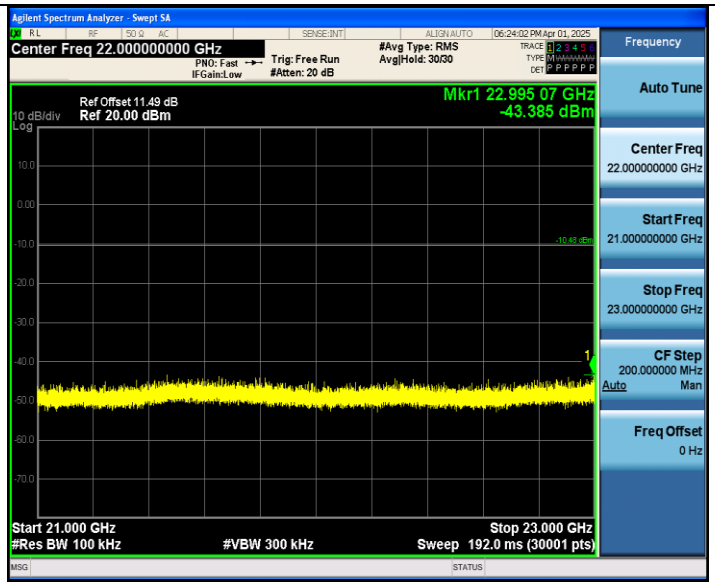
DH5_Ant1_2480_17000~19000



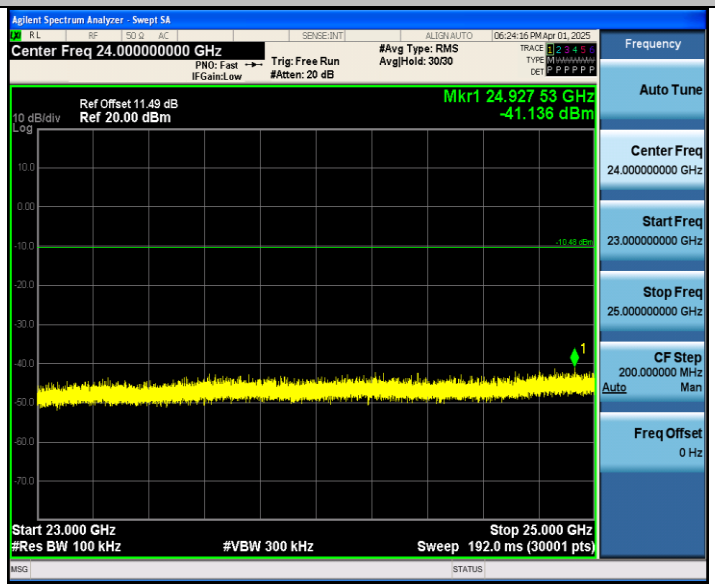
DH5_Ant1_2480_19000~21000



DH5_Ant1_2480_21000~23000



DH5_Ant1_2480_23000~25000

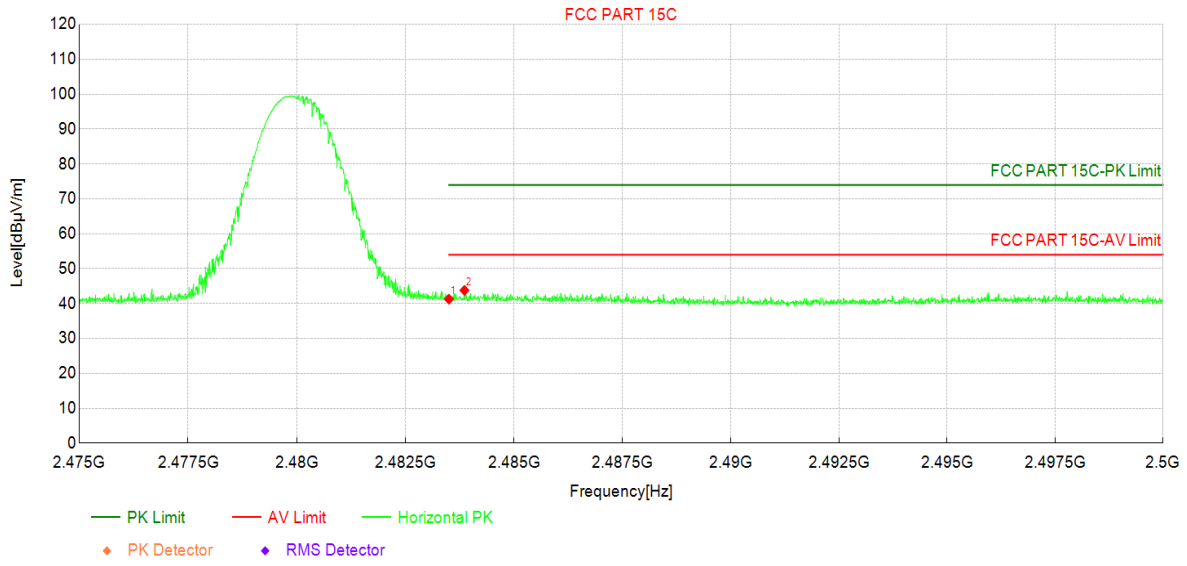


Band edge measurements:

Test Report

Project Information			
Profile:	24C0966R	EUT:	#1
Mode:	Mode1:Transmit at 2480MHz by DH5	Volta	120Vac/60Hz
Environment:	Temp: 25℃; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph

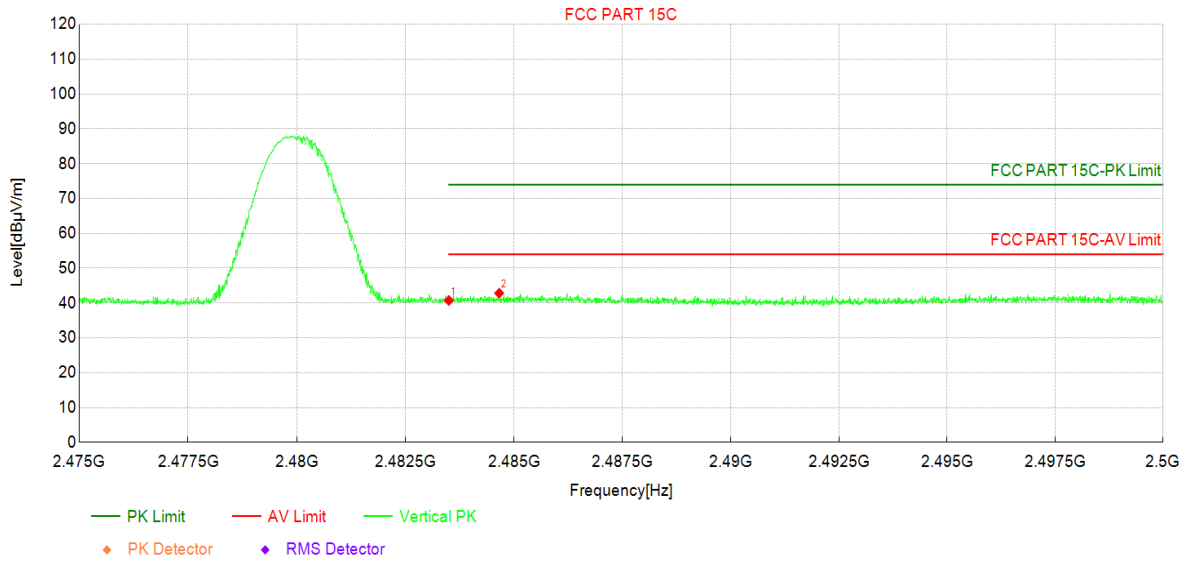


Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.5	37.17	41.26	4.09	74	32.74	PK	Horizontal	PASS
	2483.5	-	16.5	-	54	37.5	AV	Horizontal	PASS
2	2483.86	39.69	43.78	4.09	74	30.22	PK	Horizontal	PASS
	2483.86	-	19.02	-	54	34.98	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	#1
Mode:	Mode1:Transmit at 2480MHz by DH5	Volta	120Vac/60Hz
Environment:	Temp: 25℃; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



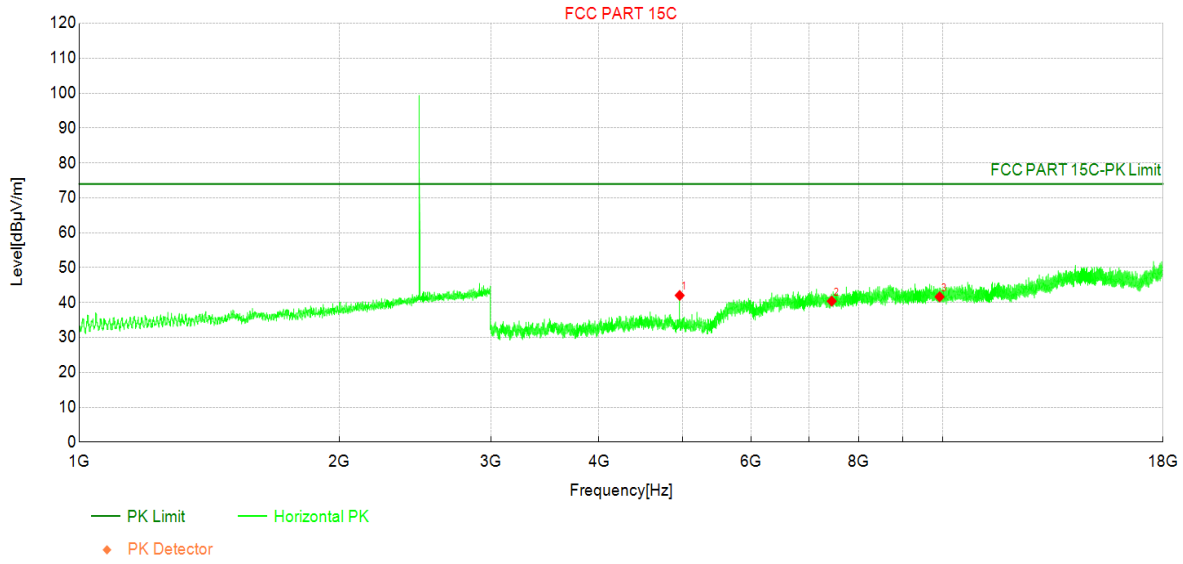
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.5	36.64	40.73	4.09	74	33.27	PK	Vertical	PASS
	2483.5	-	15.97	-	54	38.03	AV	Vertical	PASS
2	2484.66	38.71	42.82	4.11	74	31.18	PK	Vertical	PASS
	2484.66	-	18.06	-	54	35.94	AV	Vertical	PASS

Emissions in Restricted Bands：

Test Report

Project Information			
Profile:	24C0966R	EUT:	#1
Mode:	Mode1:Transmit at 2480MHz by DH5	Volta	120Vac/60Hz
Environment:	Temp: 25℃; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph

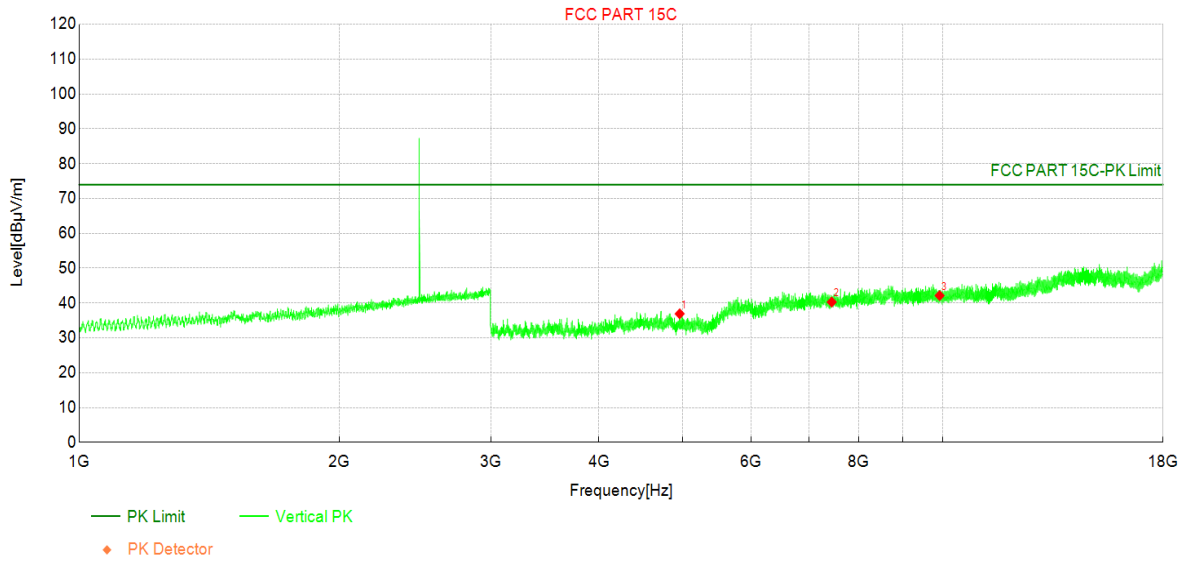


Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960	47.32	42.05	-5.27	74	31.95	PK	Horizontal	PASS
	4960	-	17.29	-	54	36.71	AV	Horizontal	PASS
2	7440	37.84	40.4	2.56	74	33.6	PK	Horizontal	PASS
	7440	-	15.64	-	54	38.36	AV	Horizontal	PASS
3	9920	36.02	41.64	5.62	74	32.36	PK	Horizontal	PASS
	9920	-	16.88	-	54	37.12	AV	Horizontal	PASS

Test Report

Project Information			
Profile:	24C0966R	EUT:	#1
Mode:	Mode1:Transmit at 2480MHz by DH5	Volta	120Vac/60Hz
Environment:	Temp: 25℃; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	4960	42.18	36.91	-5.27	74	37.09	PK	Vertical	PASS
	4960	-	12.15	-	54	41.85	AV	Vertical	PASS
2	7440	37.72	40.28	2.56	74	33.72	PK	Vertical	PASS
	7440	-	15.52	-	54	38.48	AV	Vertical	PASS
3	9920	36.51	42.13	5.62	74	31.87	PK	Vertical	PASS
	9920	-	17.37	-	54	36.63	AV	Vertical	PASS

Cross Reference Table:

Reference Device		Variant Device				Key differences		
FCC ID:V2X-PM68		FCC ID:V2X-PM68W				Removed 2/3/4&GNSS components		
Rule Part	Test item	Data Referencing	Comments	VdB	RdB	Limit	ddB	ddB Limit
20dB Emission Bandwidth	FCC 15.247(a)(1)	Y	Pointer to full test exhibit	0.846 MHz	0.849 MHz	within frequency range	-0.003	⩽3dB
Maximum conducted output power	FCC 15.247(b)(1)	Y	Pointer to full test exhibit	9.79 dBm	10.39 dBm	20.97dBm	-0.6	⩽3dB
Carrier Frequency Separation	FCC 15.247(a)(1)	Y	Pointer to full test exhibit	0.976 dB	1.034 dB	See Note 3	-0.058	⩽3dB
Time of Occupancy (Dwell Time)	FCC 15.247(a)(1)(iii)	Y	Pointer to full test exhibit	0.307S	0.307 S	0.4S	0	⩽3dB
Number of Hopping Frequencies	FCC 15.247(a)(1)(iii)	Y	Pointer to full test exhibit	79	79	＞15	0	⩽3dB
Conducted Band edge	FCC 15.247(d)	Y	Pointer to full test exhibit	9.52 dBm/ 100kHz	10.04 dBm/ 100kHz	See Note 1	-0.52	⩽3dB
Conducted Spurious Emission	FCC 15.247(d)	Y	Pointer to full test exhibit	9.52 dBm/ 100kHz	10.04 dBm/ 100kHz	See Note 1	-0.52	⩽3dB
Emissions Band edge	FCC 15.247(d), FCC 15.209	Y	Pointer to full test exhibit	43.78 (dBμV/m)	43.12 (dBμV/m)	74 (dBμV/m)	0.66	⩽3dB
Emissions in Restricted Bands	FCC 15.247(b)(3)	Y	Pointer to full test exhibit	42.13 (dBμV/m)	42.36 (dBμV/m)	74 (dBμV/m)	-0.23	⩽3dB
FCC 15.207	AC Power Line Conducted Emission	N	Refresh test	N/A	N/A	N/A	N/A	N/A

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).
Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).
Note 3: Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel.

The End