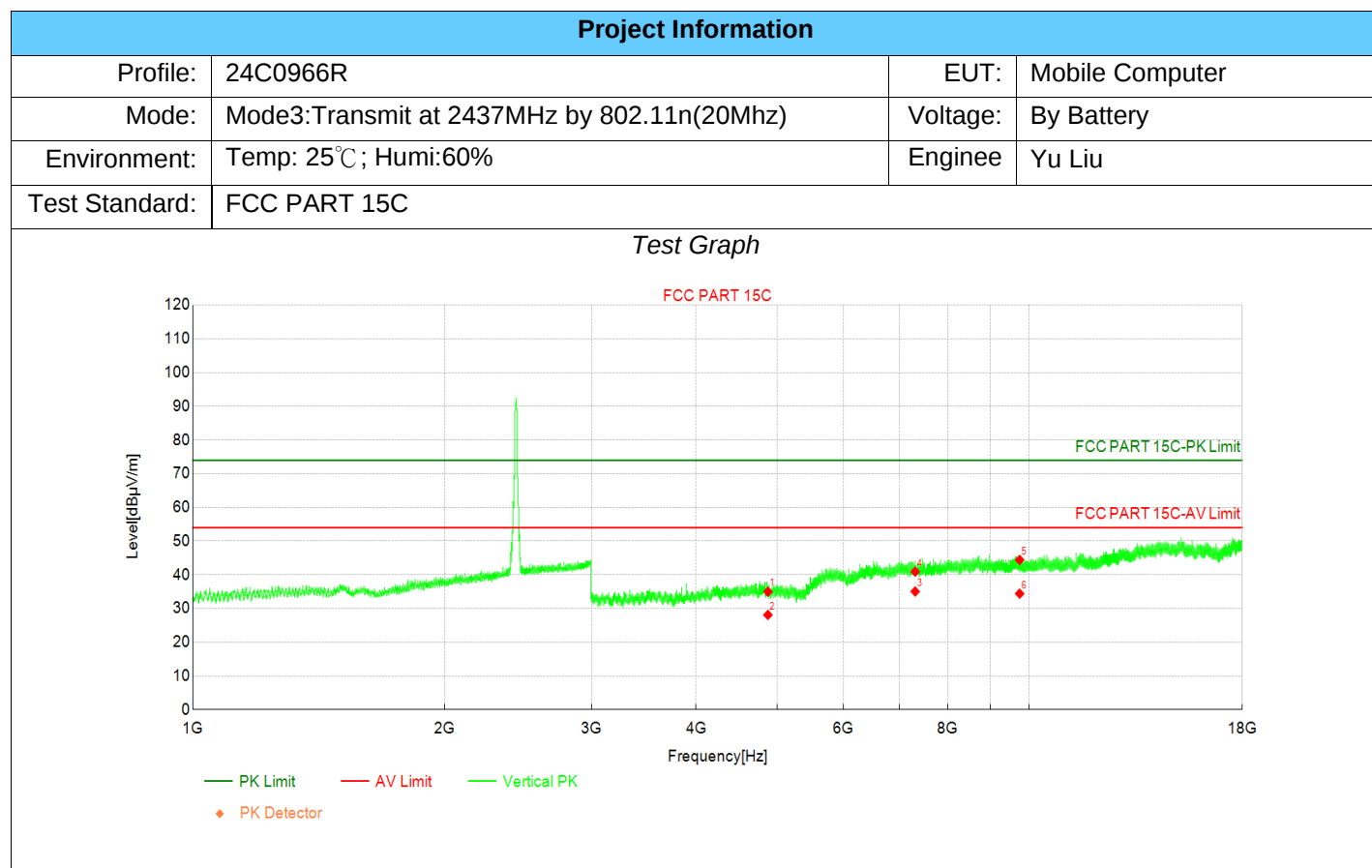


Test Report



Suspected Data List

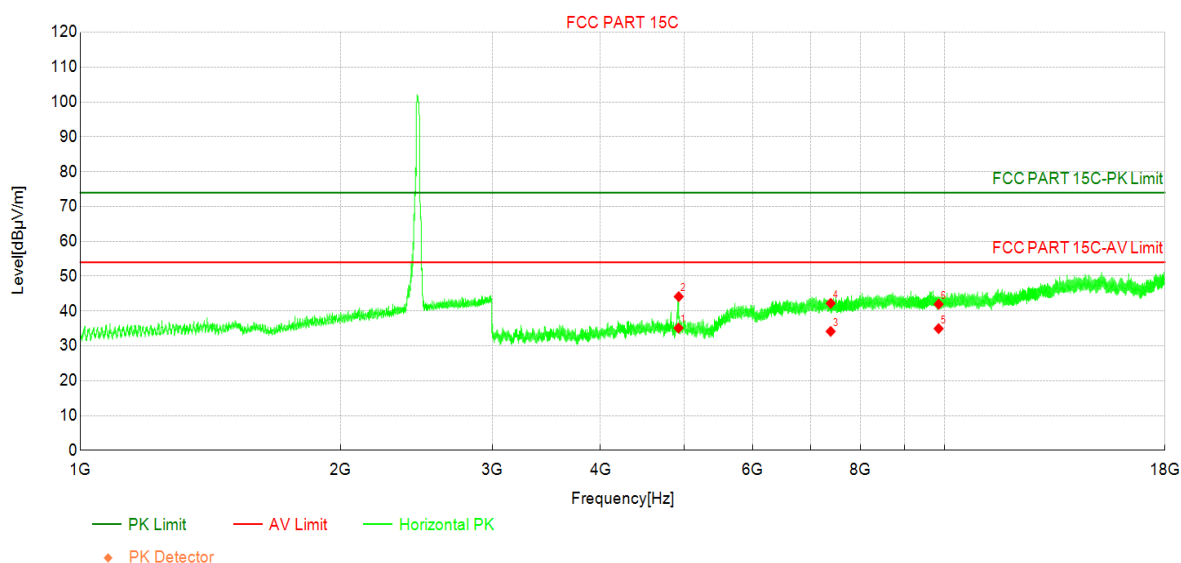
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	41.08	35.00	-6.08	74.00	39.00	PK	Vertic	PASS
2	4874.00	34.18	28.10	-6.08	54.00	25.90	AV	Vertic	PASS
3	7311.00	32.18	35.05	2.87	54.00	18.95	AV	Vertic	PASS
4	7311.00	38.07	40.94	2.87	74.00	33.06	PK	Vertic	PASS
5	9748.00	38.26	44.42	6.16	74.00	29.58	PK	Vertic	PASS
6	9748.00	28.25	34.41	6.16	54.00	19.59	AV	Vertic	PASS

Test Report

Project Information

Profile:	24C0966R	EUT:	Mobile Computer
Mode:	Mode3:Transmit at 2462MHz by 802.11n(20Mhz)	Voltage:	By Battery
Environment:	Temp: 25℃ ; Humi:60%	Engineer	Yu Liu
Test Standard:	FCC PART 15C		

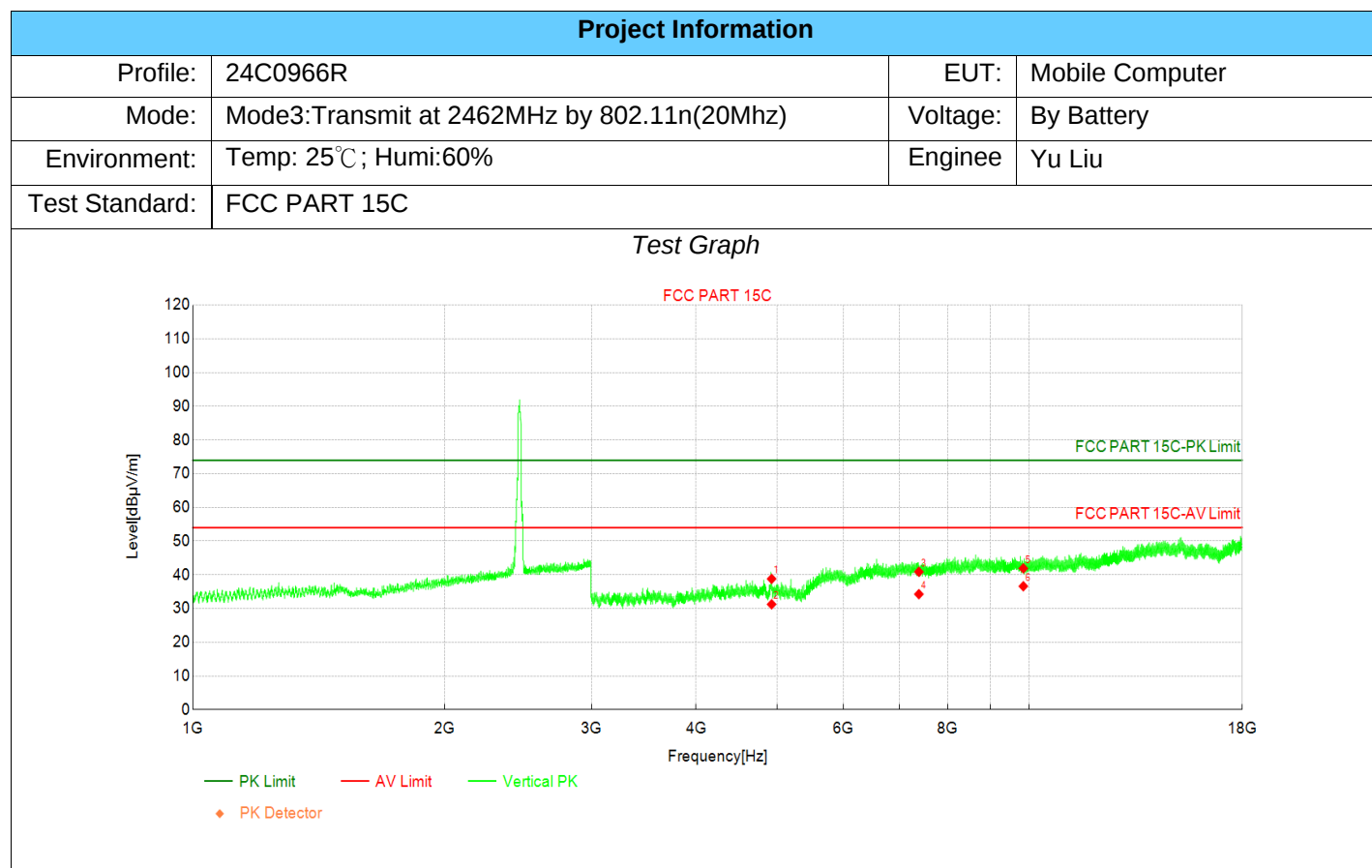
Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	40.88	35.12	-5.76	54.00	18.88	AV	Horizo	PASS
2	4927.13	49.85	44.13	-5.72	74.00	29.87	PK	Horizo	PASS
3	7386.00	31.85	34.15	2.30	54.00	19.85	AV	Horizo	PASS
4	7386.00	39.92	42.22	2.30	74.00	31.78	PK	Horizo	PASS
5	9848.00	29.15	34.95	5.80	54.00	19.05	AV	Horizo	PASS
6	9848.00	36.16	41.96	5.80	74.00	32.04	PK	Horizo	PASS

Test Report



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	44.56	38.80	-5.76	74.00	35.20	PK	Vertic	PASS
2	4924.00	37.01	31.25	-5.76	54.00	22.75	AV	Vertic	PASS
3	7386.00	38.58	40.88	2.30	74.00	33.12	PK	Vertic	PASS
4	7386.00	31.96	34.26	2.30	54.00	19.74	AV	Vertic	PASS
5	9848.00	36.11	41.91	5.80	74.00	32.09	PK	Vertic	PASS
6	9848.00	30.81	36.61	5.80	54.00	17.39	AV	Vertic	PASS

Note:

1. Level = Reading + Factor

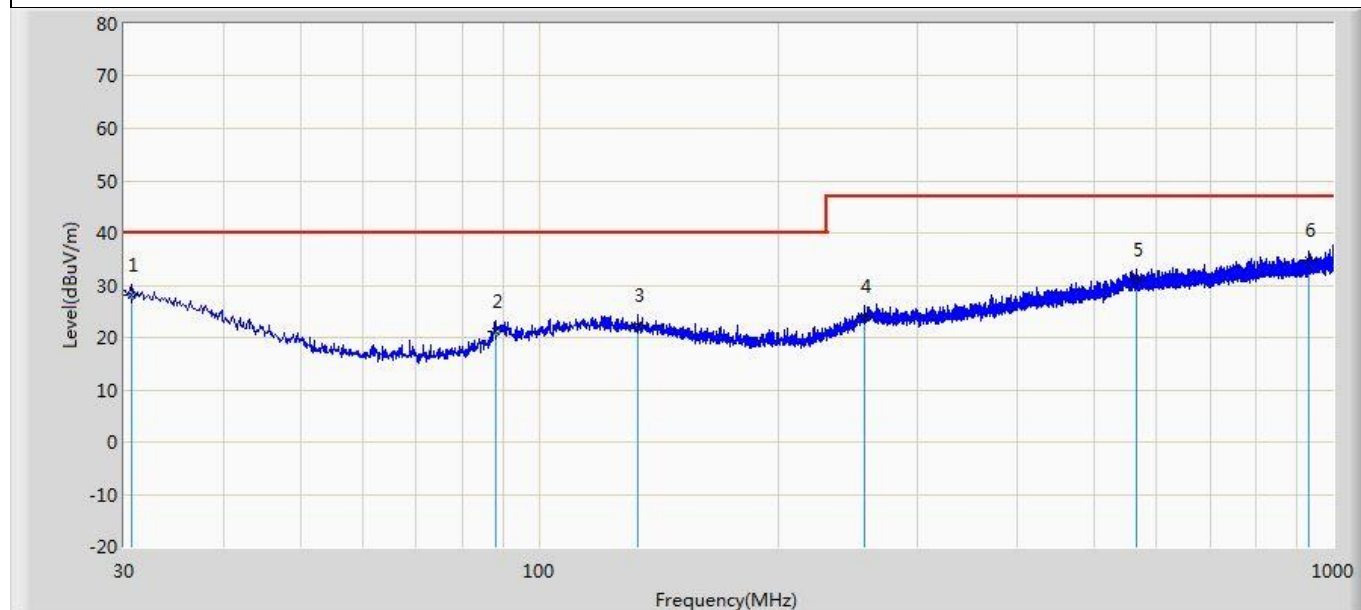
2. Margin = Limit - Level

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.

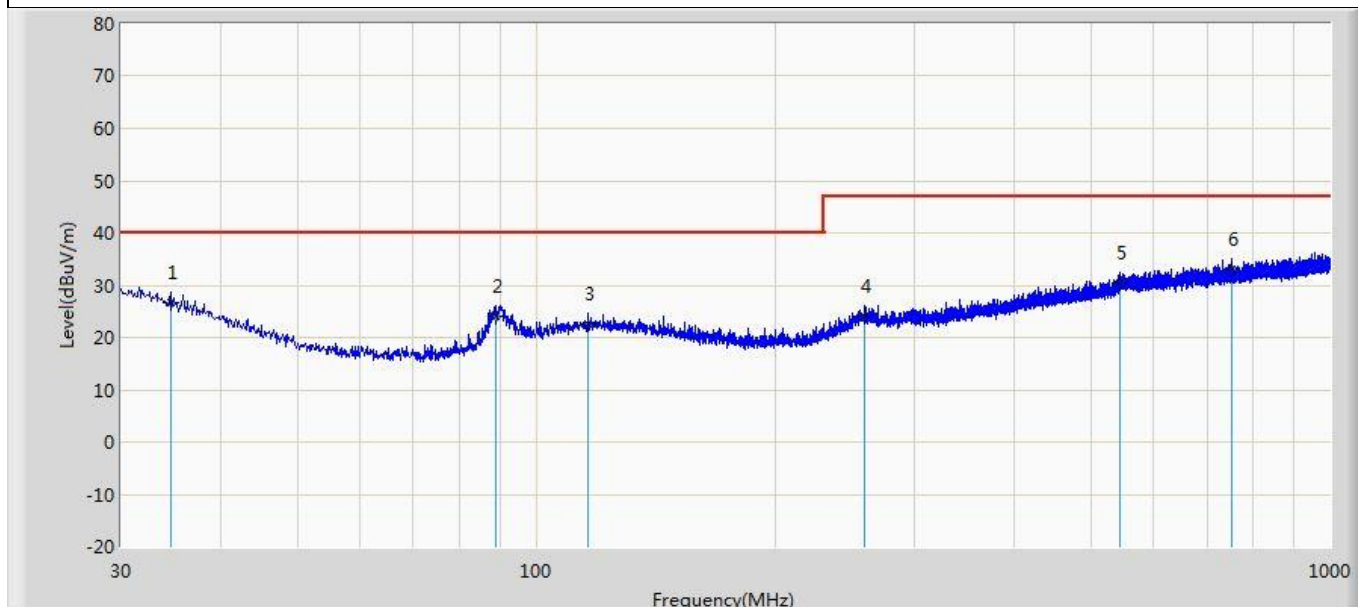
The worst case of Radiated Emission below 1GHz:

Profile: 24C0967R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:15
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Horizontal
EUT: Mobile Computer	Power: By Battery
Note: Mode1:Transmit at 2412MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	30.606	28.072	3.227	-11.928	40.000	24.845	QP
2		88.321	21.264	5.540	-18.736	40.000	15.725	QP
3		133.062	22.434	3.703	-17.566	40.000	18.731	QP
4		257.101	24.140	3.192	-22.860	47.000	20.948	QP
5		566.167	31.031	3.738	-15.969	47.000	27.292	QP
6		931.251	34.656	4.545	-12.344	47.000	30.111	QP

Profile: 24C0967R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:15
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Vertical
EUT: Mobile Computer	Power: By Battery
Note: Mode1:Transmit at 2412MHz by 802.11b	



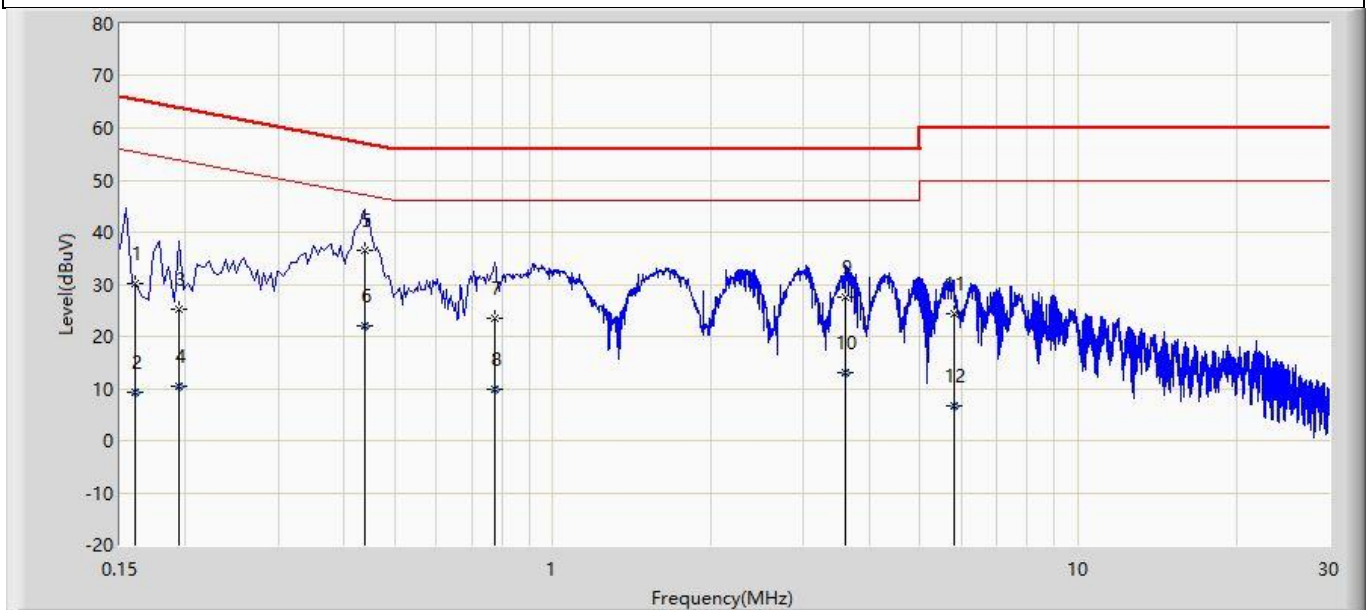
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	34.607	26.623	3.659	-13.377	40.000	22.964	QP
2		88.927	24.079	8.234	-15.921	40.000	15.846	QP
3		116.209	22.530	3.324	-17.470	40.000	19.206	QP
4		259.647	24.092	2.823	-22.908	47.000	21.269	QP
5		543.979	30.522	3.331	-16.478	47.000	27.192	QP
6		752.407	33.116	4.271	-13.884	47.000	28.844	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

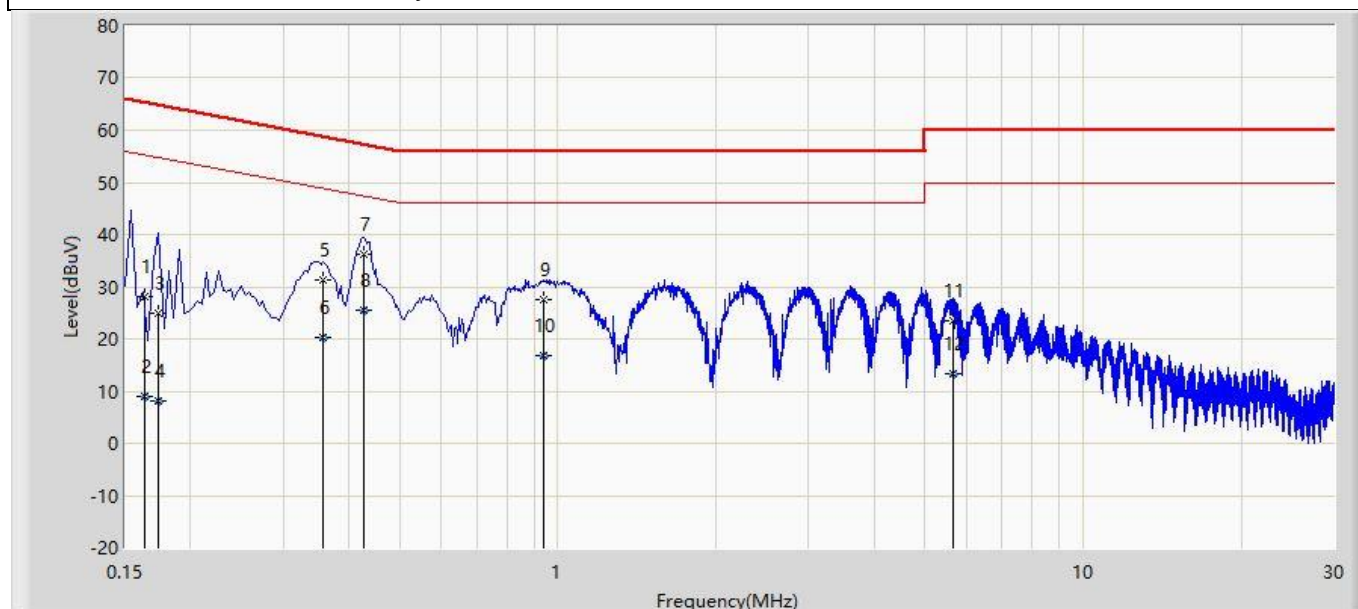
Appendix H : AC Power Line Conducted Emission

Profile: 24C0967R	Page No.: 3
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 17:59
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 2412MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.160	30.063	20.357	-35.386	65.449	9.705	QP
2		0.160	9.187	-0.518	-46.262	55.449	9.705	AV
3		0.194	25.174	15.478	-38.689	63.864	9.696	QP
4		0.194	10.505	0.809	-43.359	53.864	9.696	AV
5	*	0.438	36.483	26.747	-20.617	57.100	9.736	QP
6		0.438	22.166	12.430	-24.933	47.100	9.736	AV
7		0.774	23.409	13.692	-32.591	56.000	9.717	QP
8		0.774	9.903	0.186	-36.097	46.000	9.717	AV
9		3.602	27.625	17.791	-28.375	56.000	9.834	QP
10		3.602	12.925	3.091	-33.075	46.000	9.834	AV
11		5.810	24.211	14.338	-35.789	60.000	9.873	QP
12		5.810	6.532	-3.341	-43.468	50.000	9.873	AV

Profile: 24C0967R	Page No.: 4
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 18:03
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 2412MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.164	28.101	18.378	-37.141	65.242	9.723	QP
2		0.164	9.092	-0.631	-46.150	55.242	9.723	AV
3		0.174	24.841	15.129	-39.926	64.767	9.712	QP
4		0.174	7.974	-1.738	-46.794	54.767	9.712	AV
5		0.358	31.220	21.562	-27.555	58.775	9.658	QP
6		0.358	20.171	10.513	-28.604	48.775	9.658	AV
7	*	0.426	36.204	26.556	-21.126	57.330	9.648	QP
8		0.426	25.417	15.769	-21.913	47.330	9.648	AV
9		0.942	27.643	17.919	-28.357	56.000	9.724	QP
10		0.942	16.824	7.101	-29.176	46.000	9.724	AV
11		5.638	23.604	13.729	-36.396	60.000	9.875	QP
12		5.638	13.241	3.367	-36.759	50.000	9.875	AV

1. " * ", means this data is the worst emission level.

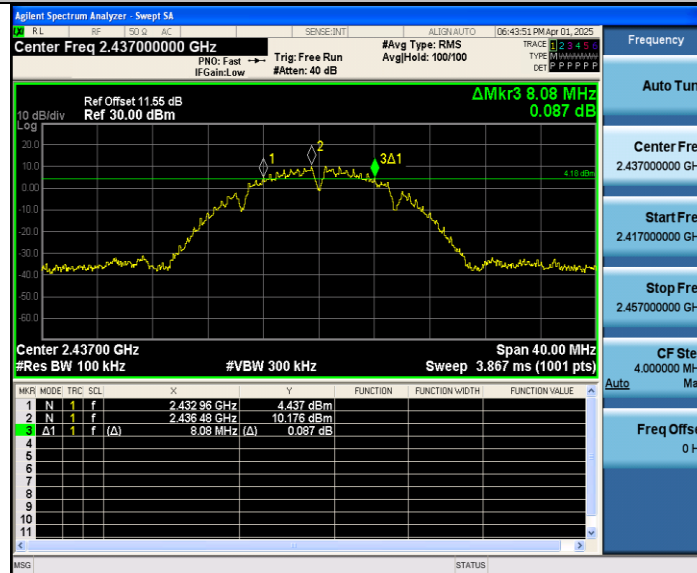
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

Appendix I : Variant spot check data

DTS Bandwidth:

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2437	8.080	2432.960	2441.040	0.5	PASS

11B_Ant1_2437



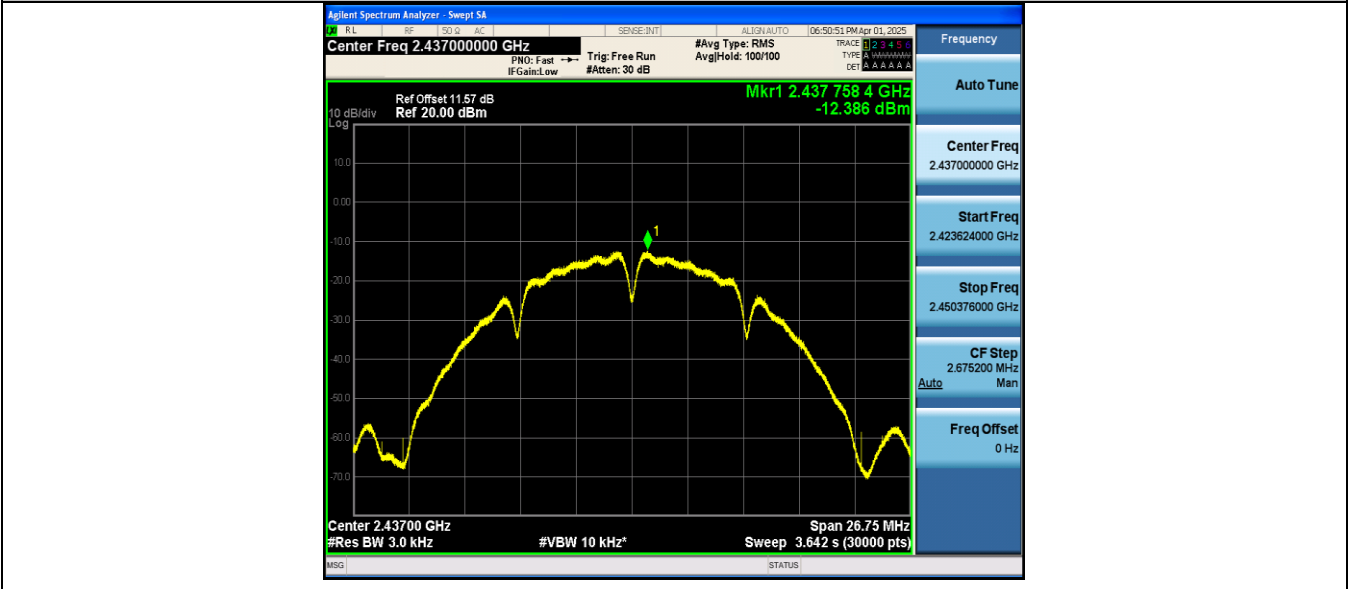
Maximum conducted output power:

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	Conducted Power Limit (dBm)	Result
11B	6	2437	18.82	≤ 30	Pass

Maximum power spectral density :

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2437	-12.39	≤8.00	PASS

11B_Ant1_2437



Emissions in non restricted frequency bands:

Test Result for Reference level

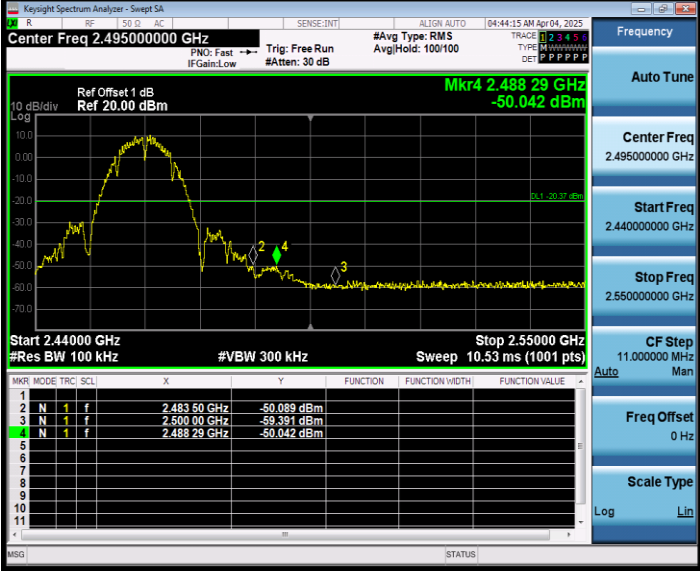
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2462	2463.50	9.63
11B_Ant1_2462				



Test Result for Band edge

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	High	2462	9.63	-50.04	≤-20.37	PASS

11B_Ant1_High_2462



Keysight Spectrum Analyzer - Sweep SA

Center Freq 2.495000000 GHz

Ref Offset 1 dB
Ref 20.00 dBm

Mkr4 2.488 29 GHz
-50.042 dBm

Start 2.44000 GHz
#Res BW 100 kHz

Stop 2.55000 GHz
Sweep 10.53 ms (1001 pts)

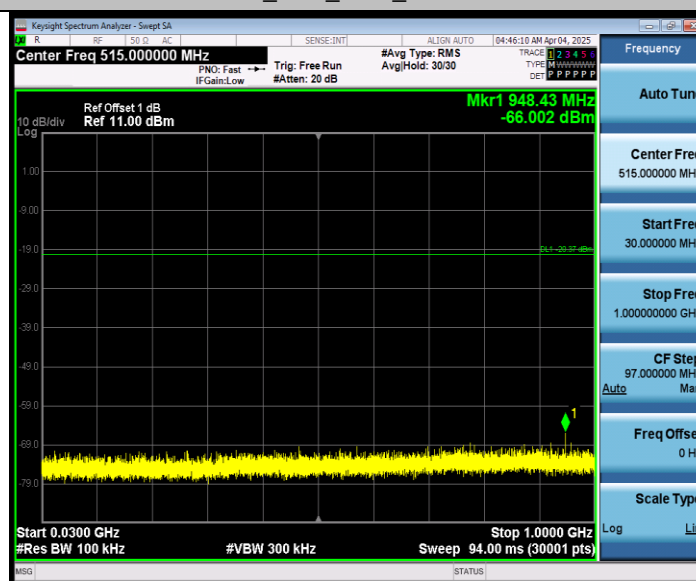
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2	N	1	f	2.483 50 GHz	-50.089 dBm			
3	N	1	f	2.500 00 GHz	-59.381 dBm			
4	N	1	f	2.488 29 GHz	-50.042 dBm			
5								
6								
7								
8								
9								
10								
11								

MSG (STATUS)

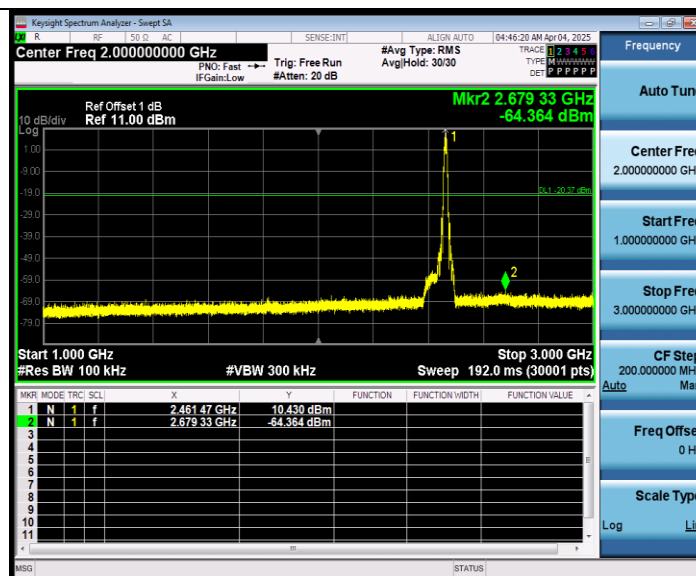
Test Result for Spurious Emission

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2462	30~1000	9.63	-66	≤-20.37	PASS
			1000~3000	9.63	-64.36	≤-20.37	PASS
			3000~5000	9.63	-39.28	≤-20.37	PASS
			5000~7000	9.63	-63.21	≤-20.37	PASS
			7000~9000	9.63	-66.63	≤-20.37	PASS
			9000~11000	9.63	-66.71	≤-20.37	PASS
			11000~13000	9.63	-66.73	≤-20.37	PASS
			13000~15000	9.63	-65.01	≤-20.37	PASS
			15000~17000	9.63	-63.32	≤-20.37	PASS
			17000~19000	9.63	-62.54	≤-20.37	PASS
			19000~21000	9.63	-61.73	≤-20.37	PASS
			21000~23000	9.63	-61	≤-20.37	PASS
			23000~25000	9.63	-58.18	≤-20.37	PASS

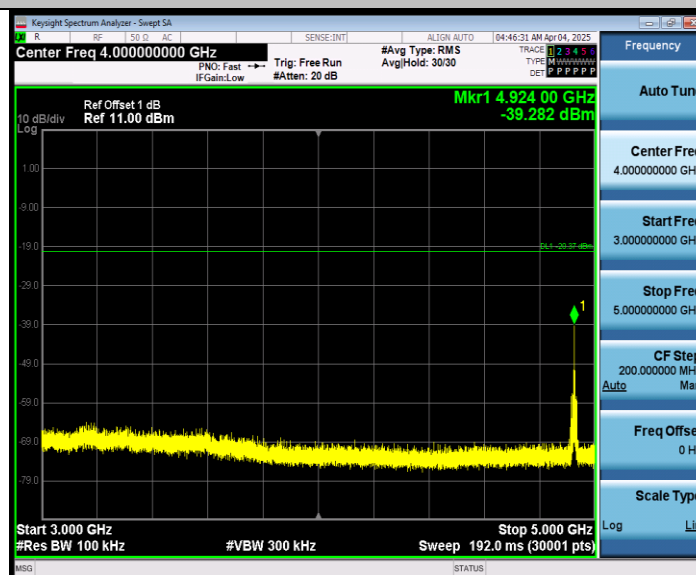
11B_Ant1_2462_30~1000



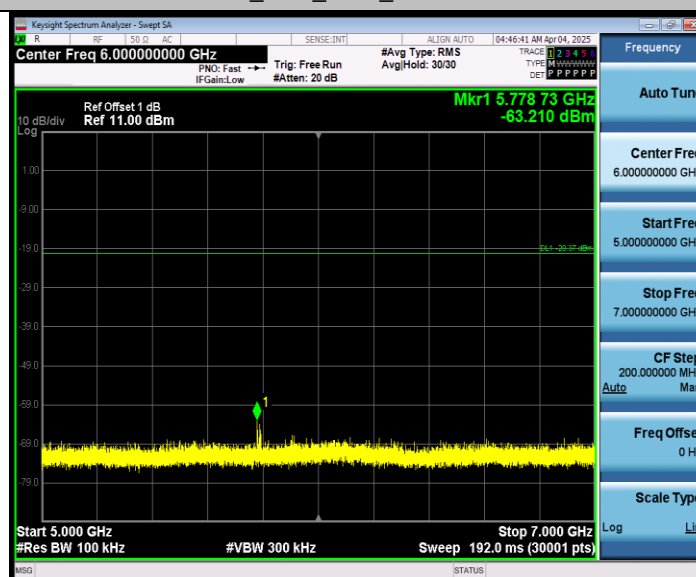
11B_Ant1_2462_1000~3000



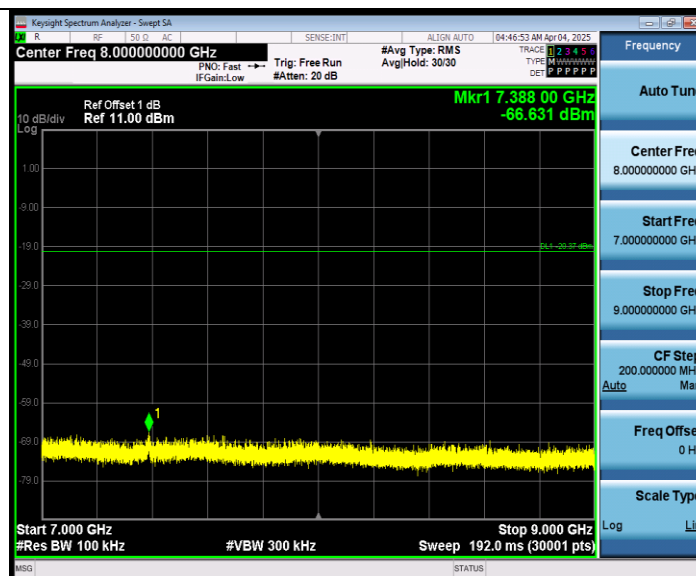
11B_Ant1_2462_3000~5000



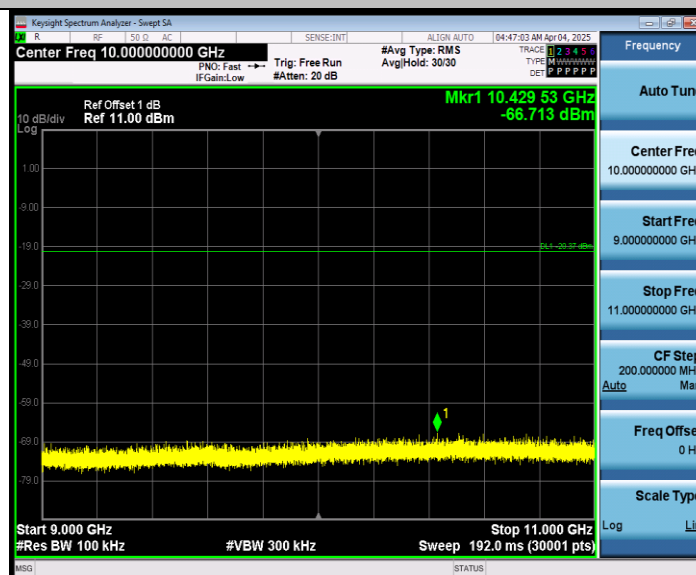
11B_Ant1_2462_5000~7000



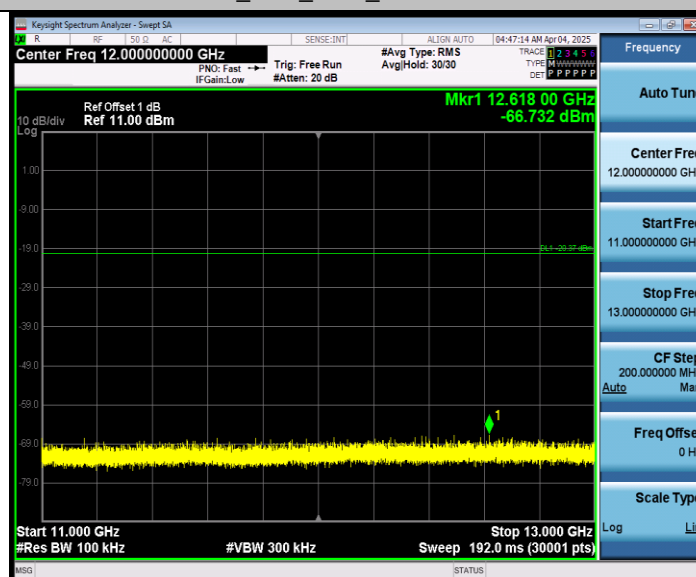
11B_Ant1_2462_7000~9000



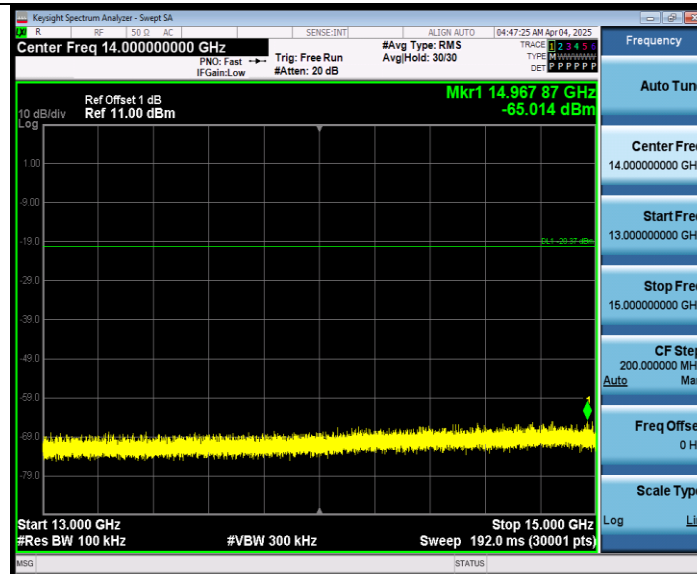
11B_Ant1_2462_9000~11000



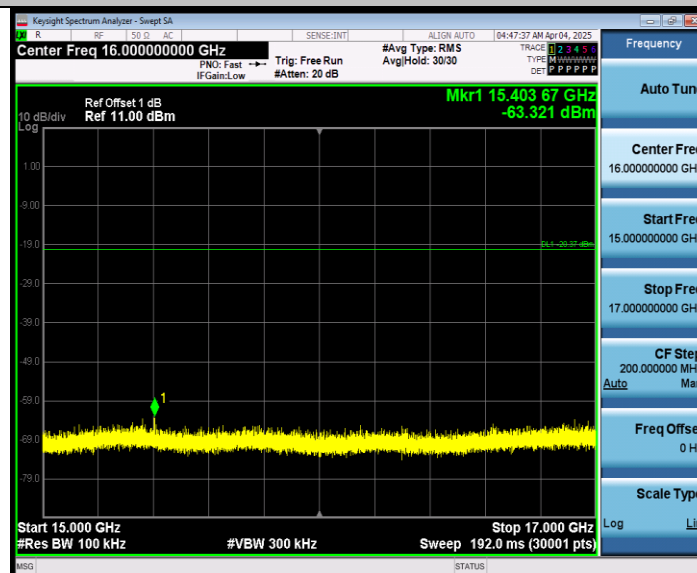
11B_Ant1_2462_11000~13000



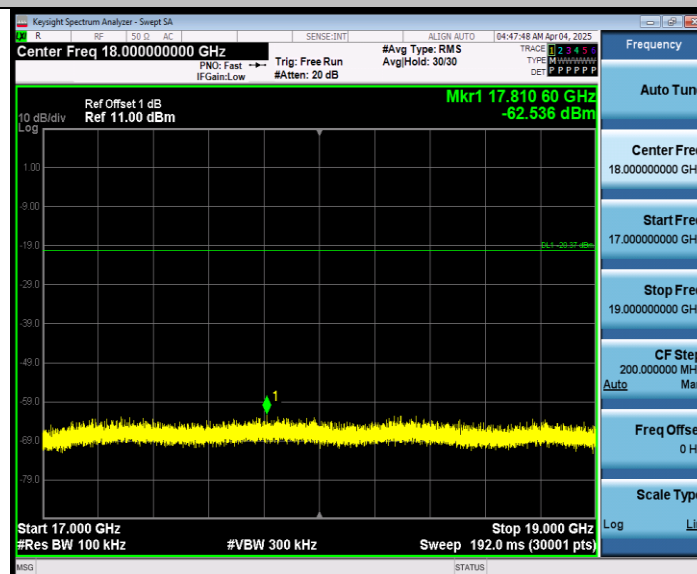
11B_Ant1_2462_13000~15000



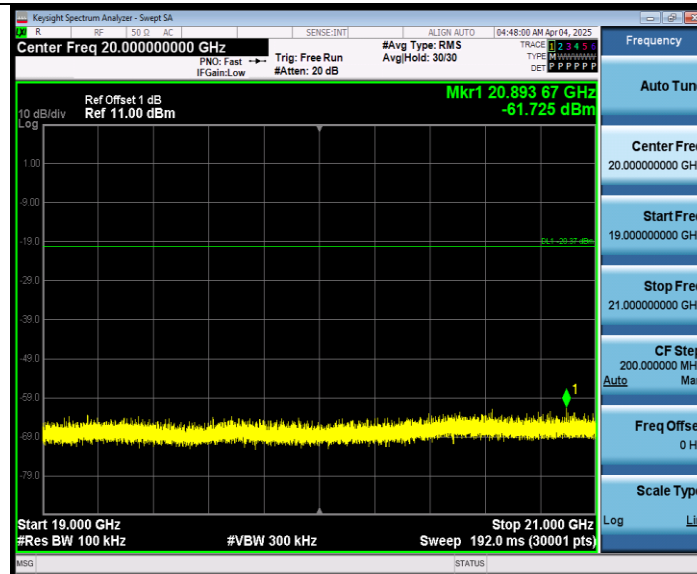
11B_Ant1_2462_15000~17000



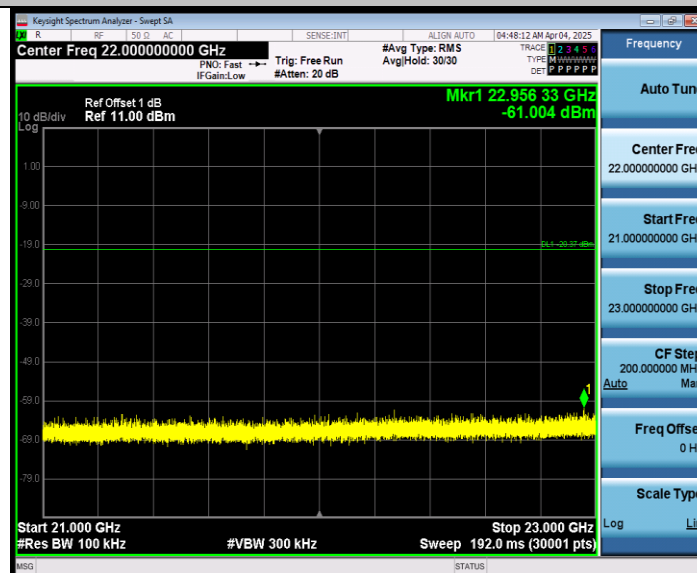
11B_Ant1_2462_17000~19000



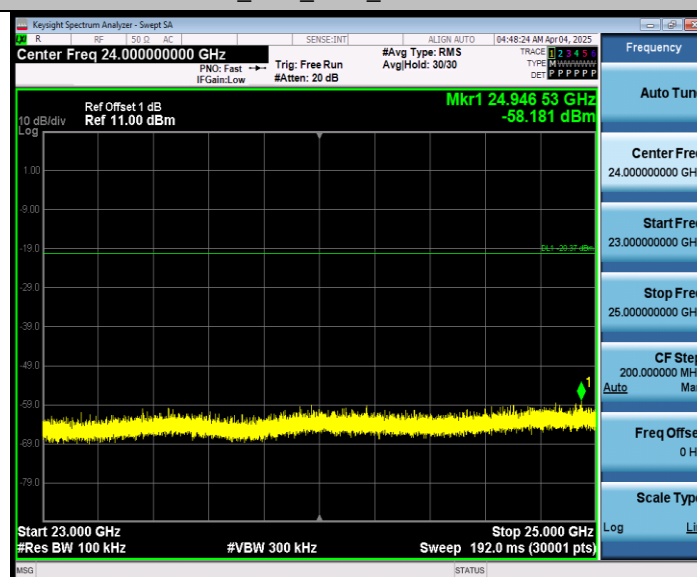
11B_Ant1_2462_19000~21000



11B_Ant1_2462_21000~23000

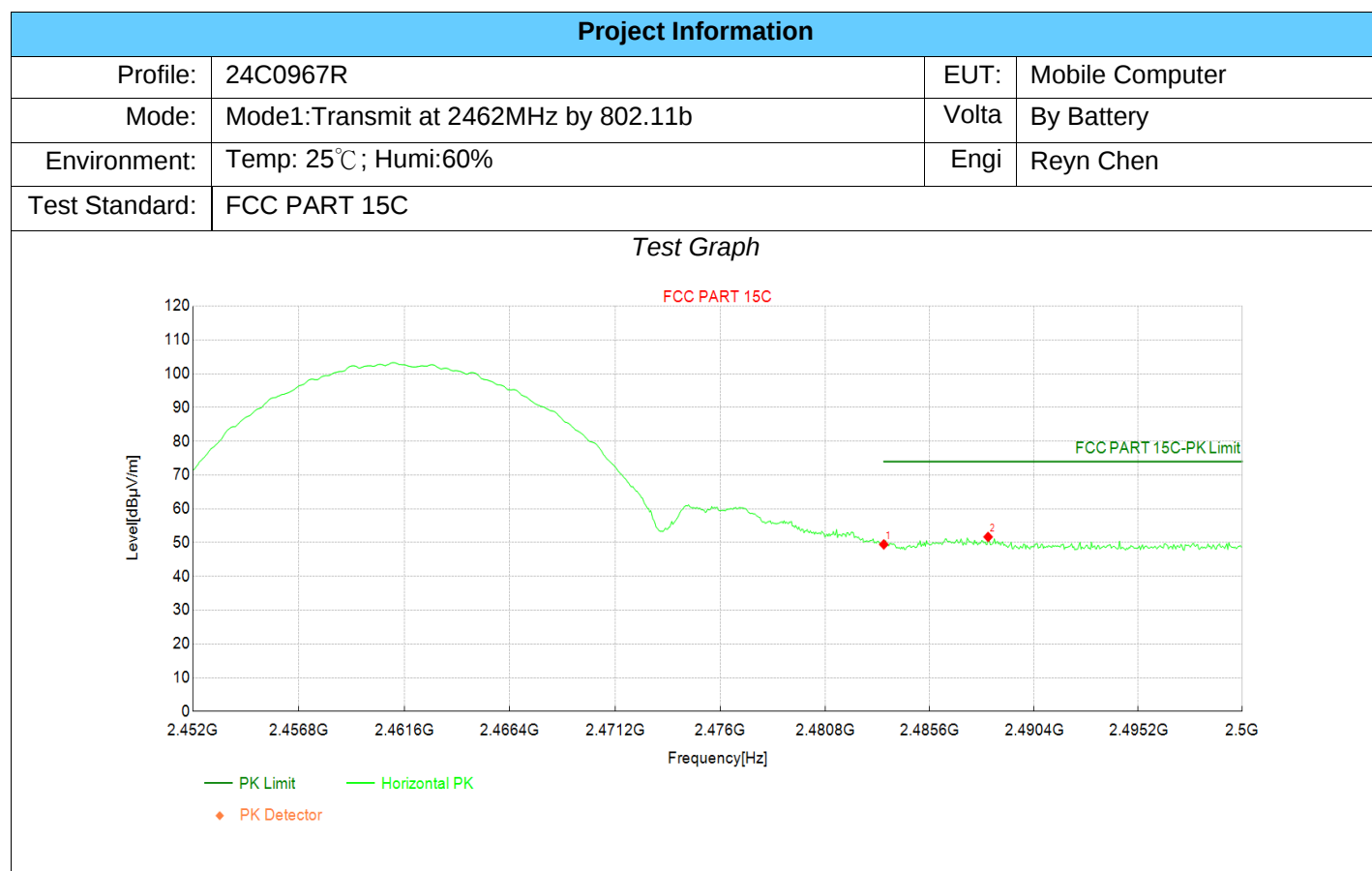


11B_Ant1_2462_23000~25000



Band edge measurements:

Test Report



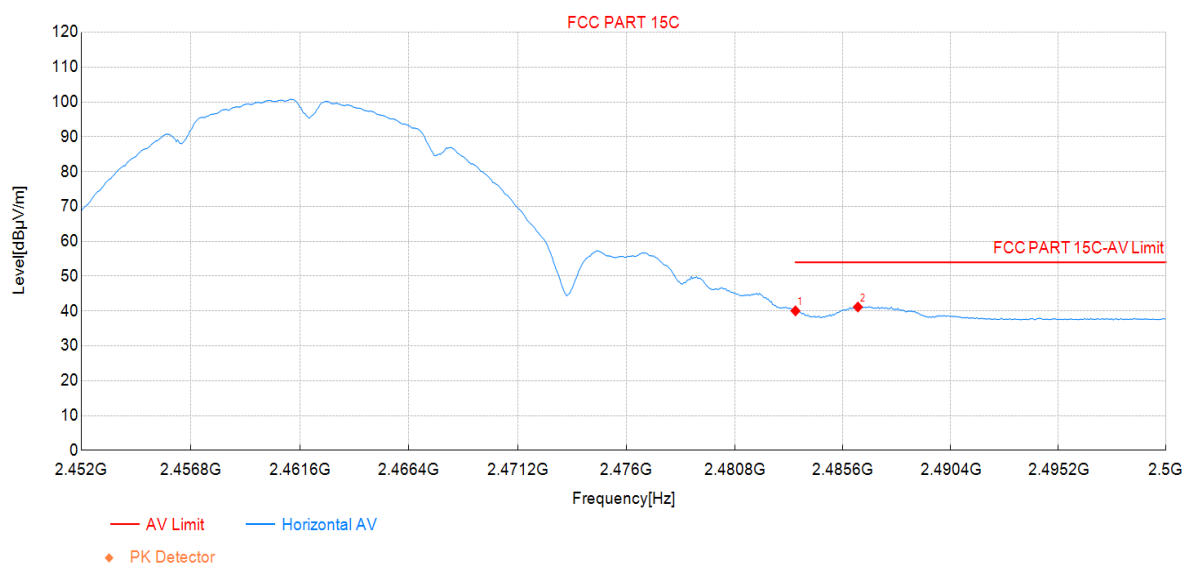
Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	45.37	49.46	4.09	74.00	24.54	PK	Horizo	PASS
2	2488.29	47.56	51.68	4.12	74.00	22.32	PK	Horizo	PASS

Test Report

Project Information			
Profile:	24C0967R	EUT:	Mobile Computer
Mode:	Mode1:Transmit at 2462MHz by 802.11b	Volta	By Battery
Environment:	Temp: 25℃ ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

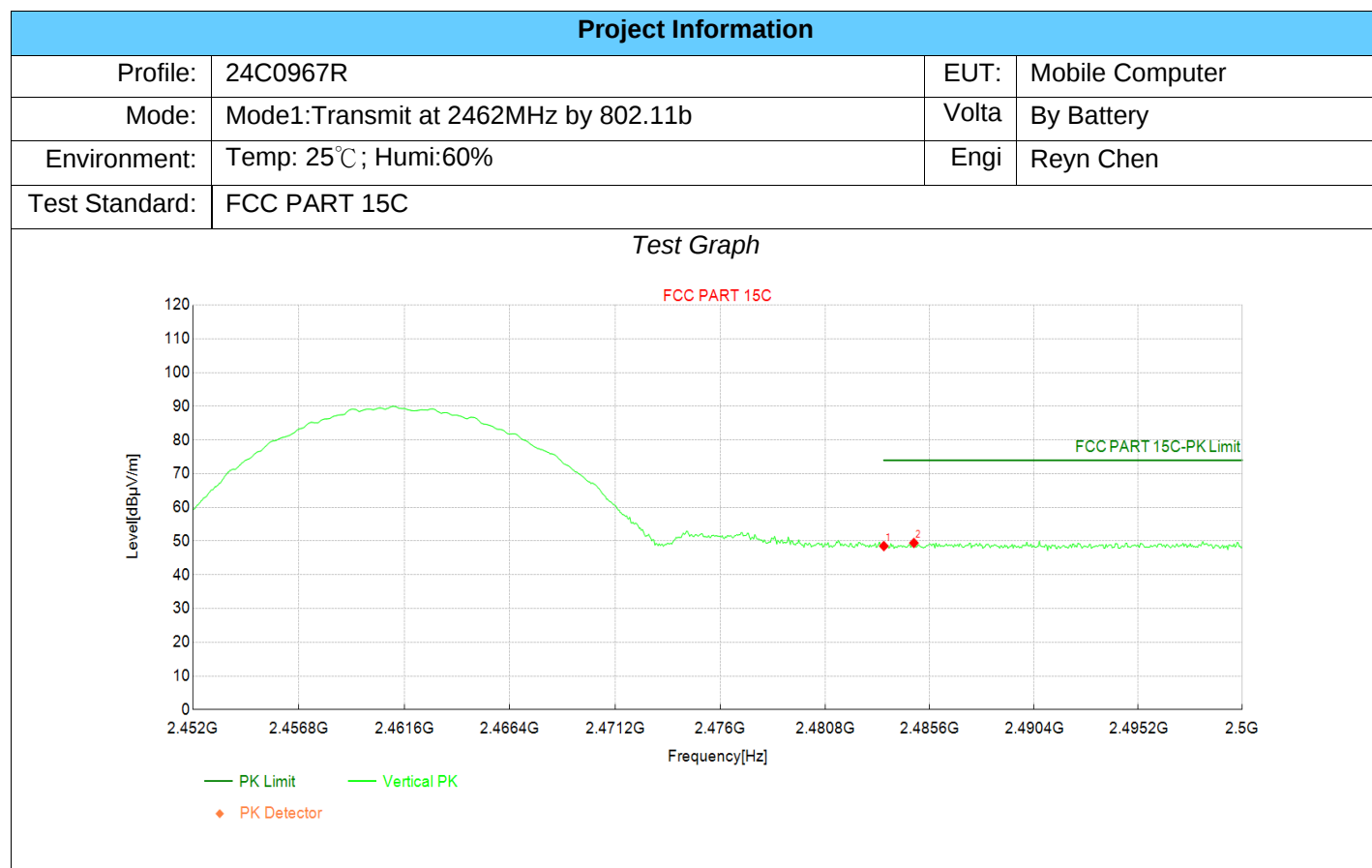
Test Graph



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	35.94	40.03	4.09	54.00	13.97	AV	Horizo	PASS
2	2486.27	37.04	41.15	4.11	54.00	12.85	AV	Horizo	PASS

Test Report



Suspected Data List

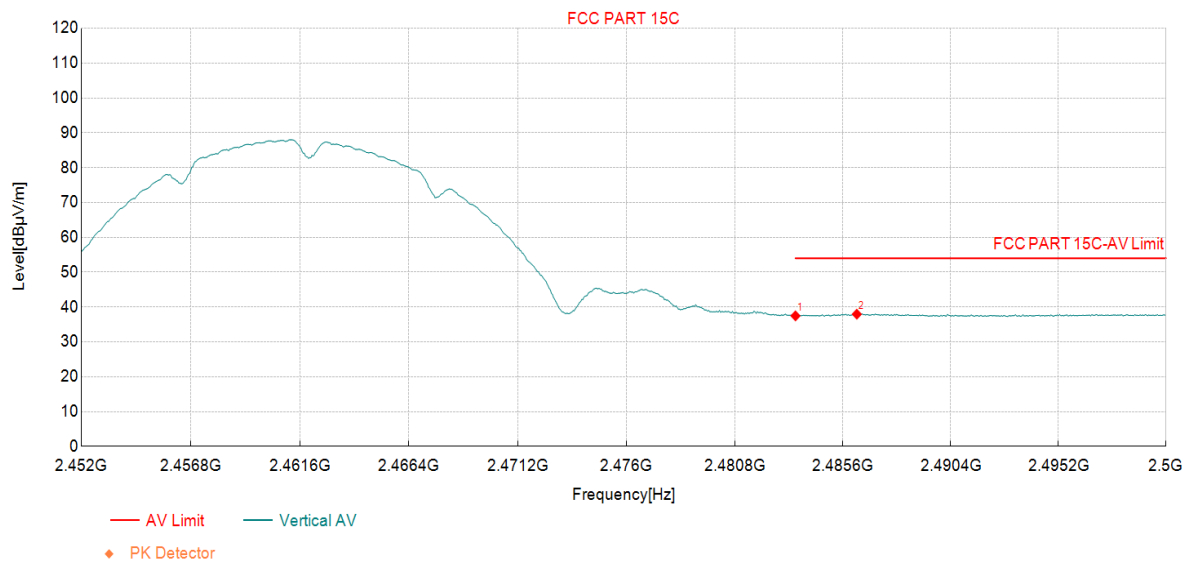
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.43	48.52	4.09	74.00	25.48	PK	Vertic	PASS
2	2484.88	45.33	49.44	4.11	74.00	24.56	PK	Vertic	PASS

Test Report

Project Information

Profile:	24C0967R	EUT:	Mobile Computer
Mode:	Mode1:Transmit at 2462MHz by 802.11b	Volta	By Battery
Environment:	Temp: 25°C ; Humi:60%	Engi	Reyn Chen
Test Standard:	FCC PART 15C		

Test Graph

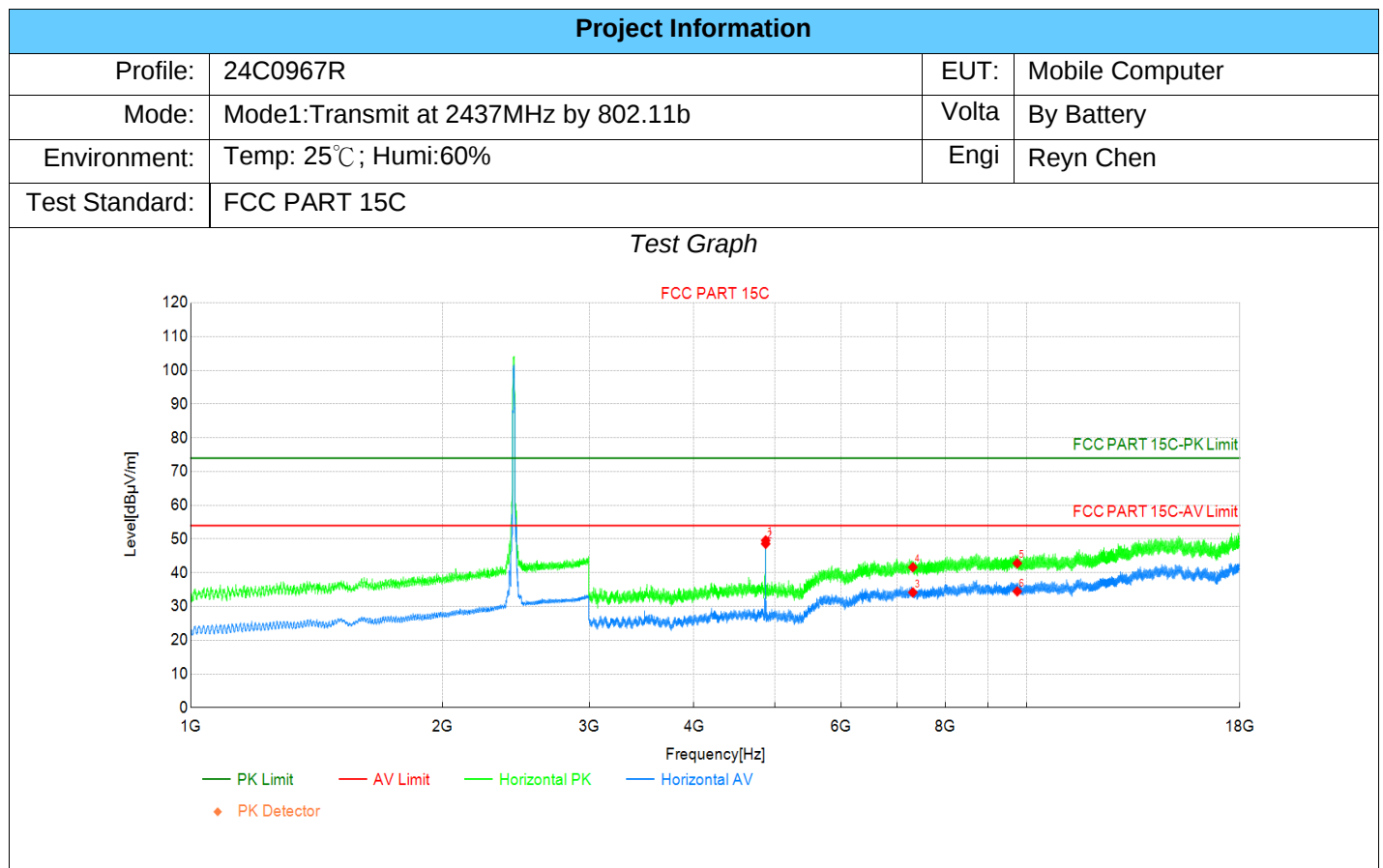


Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	33.37	37.46	4.09	54.00	16.54	AV	Vertic	PASS
2	2486.22	33.84	37.95	4.11	54.00	16.05	AV	Vertic	PASS

Emissions in Restricted Bands:

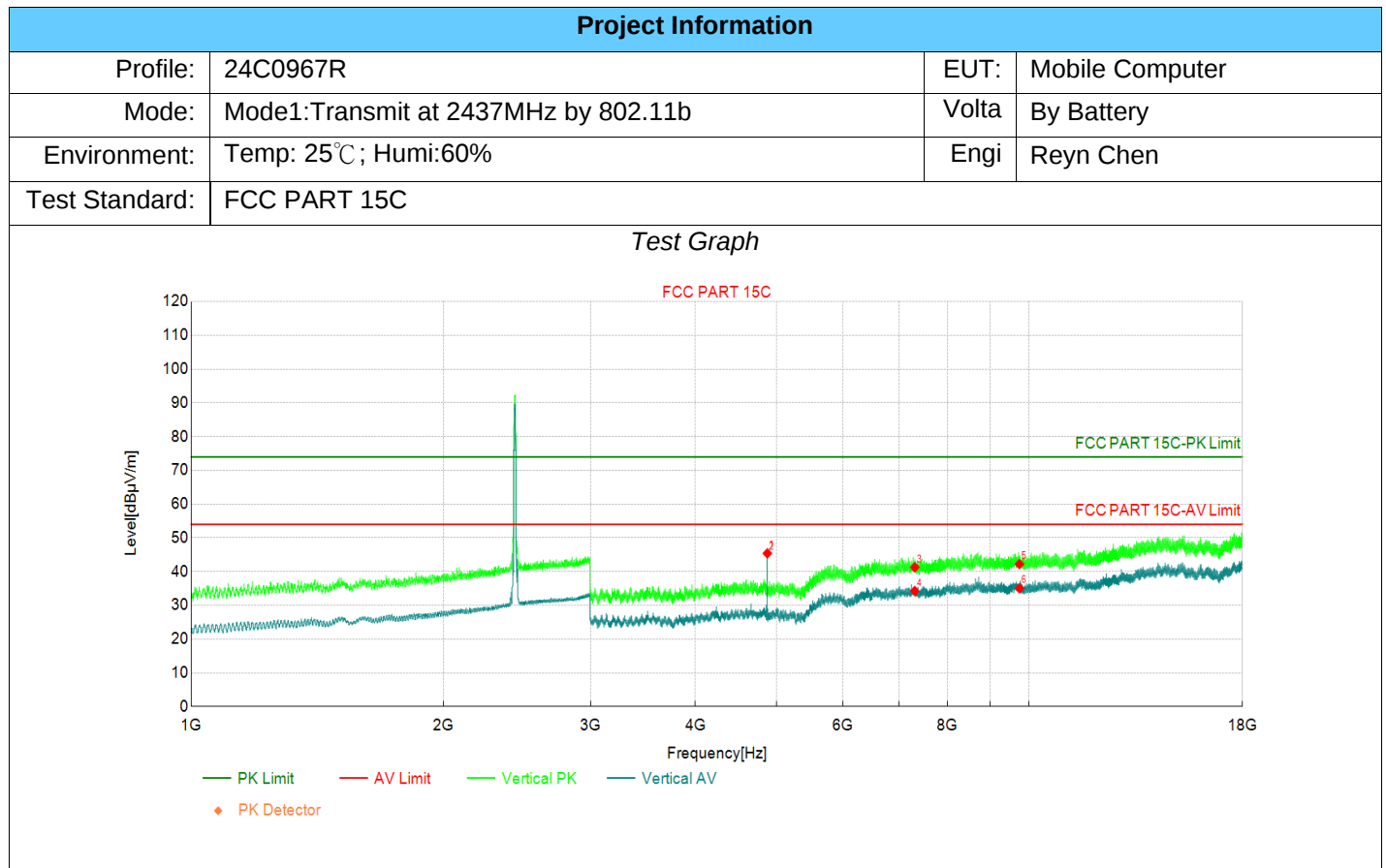
Test Report



Suspected Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	55.66	49.58	-6.08	74.00	24.42	PK	Horizo	PASS
2	4874.00	54.66	48.58	-6.08	54.00	5.42	AV	Horizo	PASS
3	7311.00	31.31	34.18	2.87	54.00	19.82	AV	Horizo	PASS
4	7311.00	38.77	41.64	2.87	74.00	32.36	PK	Horizo	PASS
5	9748.00	36.65	42.81	6.16	74.00	31.19	PK	Horizo	PASS
6	9748.00	28.31	34.47	6.16	54.00	19.53	AV	Horizo	PASS

Test Report



Suspected Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	51.48	45.40	-6.08	74.00	28.60	PK	Vertic	PASS
2	4874.00	50.98	44.90	-6.08	54.00	9.10	AV	Vertic	PASS
3	7311.00	38.39	41.26	2.87	74.00	32.74	PK	Vertic	PASS
4	7311.00	31.36	34.23	2.87	54.00	19.77	AV	Vertic	PASS
5	9748.00	36.05	42.21	6.16	74.00	31.79	PK	Vertic	PASS
6	9748.00	28.89	35.05	6.16	54.00	18.95	AV	Vertic	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
15.247 (b)(3)	Conducted Output Power	Y	Pointer to full test exhibit	18.82 dBm	18.97 dBm	30dBm	-0.15	$\leq$ 3dB
15.247 (a)(2)	DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	Y	Pointer to full test exhibit	8.08MHz	9MHz	>500kHz	-0.92	$\leq$ 3dB
15.247 (e)	Power Spectral Density	Y	Pointer to full test exhibit	-12.39 dBm/3kHz	-11.82 dBm/3kHz	8dBm/3kHz	-0.57	$\leq$ 3dB
15.247(d)	Band-edge for RF Conducted Emissions	Y	Pointer to full test exhibit	9.63 dBm/100kHz	10.47 dBm/100kHz	30dBc(Note1)	-0.84	$\leq$ 3dB
15.247(d)	RF Conducted Spurious Emissions	Y	Pointer to full test exhibit	9.63 dBm/100kHz	10.47 dBm/100kHz	30dBc(Note1)	-0.84	$\leq$ 3dB
15.247(d); 15.205 15.209	Radiated Spurious Emissions	Y	Pointer to full test exhibit	48.58 (dB μ V/m)	47.5 (dB μ V/m)	54 (dB μ V/m)	1.08	$\leq$ 3dB
15.247(d); 15.205 15.209	Restricted bands around fundamental frequency (Radiated Emission)	Y	Pointer to full test exhibit	41.15 (dB μ V/m)	40.4 (dB μ V/m)	54 (dB μ V/m)	0.75	$\leq$ 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).

The End