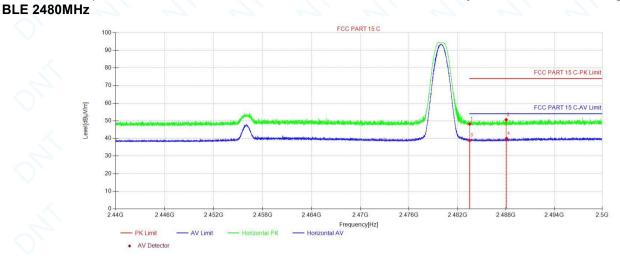
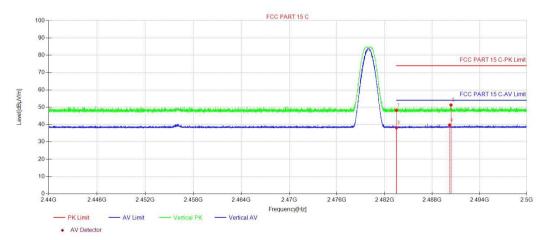
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NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity
1	2483.51	48.46	-0.29	48.17	74.00	25.83	150	279	PK	Horizontal
2	2488.05	50.83	-0.26	50.57	74.00	23.43	150	191	PK	Horizontal
3	2483.51	39.17	-0.29	38.88	54.00	15.12	150	289	AV	Horizontal
4	2488.08	40.24	-0.26	39.98	54.00	14.02	150	313	AV	Horizontal



	NO.	Freq. [MHz]	Reading Level [dBµV]	Correct Factor [dB/m]	Result Level [dBµV/m]	AV Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity
	1	2483.50	48.47	-0.29	48.18	74.00	25.82	150	357	PK	Vertical
	2	2490.39	51.53	-0.24	51.29	74.00	22.71	150	139	PK	Vertical
•	3	2483.50	38.44	-0.29	38.15	54.00	15.85	150	232	AV	Vertical
	4	2490.22	39.96	-0.24	39.72	54.00	14.28	150	26	AV	Vertical

Note:

- 1. The BLE 1M is the worse case.
- 2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including Ant.Factor and the Cable Factor etc.), The basic equation is as follows:

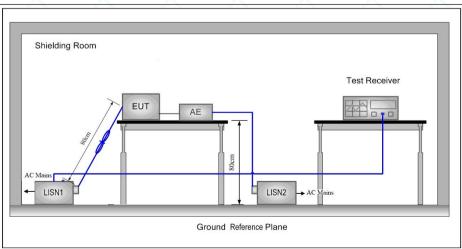
Result Level= Reading Level + Correct Factor(including Ant.Factor, Cable Factor etc.)



3.10AC Power Line Conducted Emissions

47 CFR Part 15C Section 15.207							
ANSI C63.10: 2013							
150kHz to 30MHz							
[(All L)	Limit (dBuV)					
Frequency range (MHZ)	Quasi-peak	Average					
0.15-0.5	66 to 56*	56 to 46*					
0.5-5	56	46					
5-30	60	50					
* Decreases with the logarith	nm of the frequency.						
room. 2) The EUT was connected Impedance Stabilization Net impedance. The power cable a second LISN 2, which was plane in the same way as the multiple socket outlet strip was ingle LISN provided the rat 3) The tabletop EUT was placed on the horizontal ground reference plane. And placed on the horizontal ground the EUT shall be 0.4 m frowertical ground reference plane in the LISN 1 unit under test and bonded to mounted on top of the ground between the closest points of the EUT and associated equals or the interest and all of the interest.	to AC power source throwork) which provides a ses of all other units of the bonded to the ground research as used to connect multing of the LISN was not eaced upon a non-metallist for floor-standing arranund reference plane, with a vertical ground reference was bonded to the howas placed 0.8 m from a ground reference plane. This of the LISN 1 and the EU signment was at least 0.8 m emission, the relative perface cables must be che	ough a LISN 1 (Line 50Ω/50μH + 5Ω linear e EUT were connected to eference and measured. A iple power cables to a exceeded. It is table 0.8m above the gement, the EUT was ference plane. The rear eference plane. The orizontal ground the boundary of the eane for LISNs distance was IT. All other units of m from the LISN 2. positions of					
	ANSI C63.10: 2013 150kHz to 30MHz Frequency range (MHz) 0.15-0.5 0.5-5 5-30 * Decreases with the logarith 1) The mains terminal disturtoom. 2) The EUT was connected Impedance Stabilization Net impedance. The power cable a second LISN 2, which was plane in the same way as the multiple socket outlet strip wisingle LISN provided the ration 3) The tabletop EUT was placed on the horizontal ground reference plane. And placed on the horizontal ground of the EUT shall be 0.4 m frowertical ground reference plane. The LISN 1 unit under test and bonded to mounted on top of the ground between the closest points of the EUT and associated equals or the interest of the interest of the interest.	ANSI C63.10: 2013 150kHz to 30MHz Frequency range (MHz) Quasi-peak 0.15-0.5 66 to 56* 0.5-5 56 5-30 * Decreases with the logarithm of the frequency. 1) The mains terminal disturbance voltage test was					

Test Setup:





Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
	Charge + Transmitting mode.
Final Test Mode:	Through Pre-scan, find the the worst case of GFSK
Instruments Used:	Refer to section 2.9 for details
Test Results:	Pass

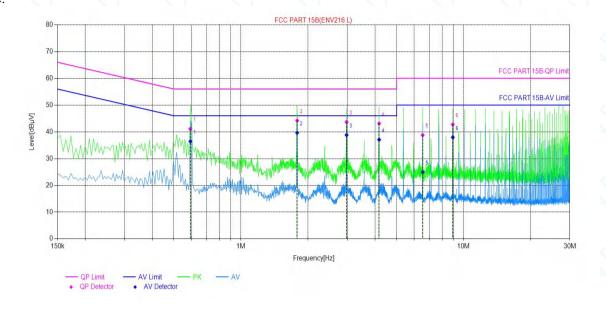
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

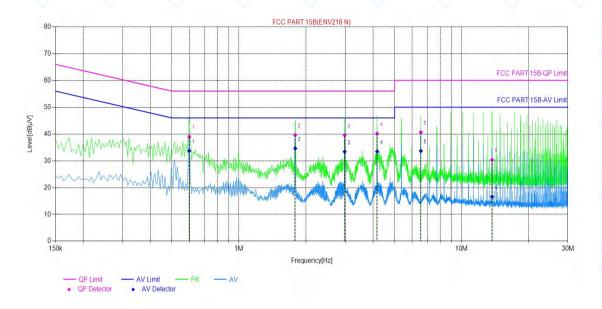
Live Line:



Final Data List												
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	ΑV Value [dBμV]	AV Limit [dBµV]	AV Margin [dB]	Verdict			
1	0.5925	9.82	41.14	56.00	14.86	36.45	46.00	9.55	PASS			
2	1.7886	9.73	44.23	56.00	11.77	39.66	46.00	6.34	PASS			
3	2.9807	9.74	43.69	56.00	12.31	38.81	46.00	7.19	PASS			
4	4.1741	9.75	43.12	56.00	12.88	37.07	46.00	8.93	PASS			
5	6.5489	9.86	38.79	60.00	21.21	24.91	50.00	25.09	PASS			
6	8.9427	9.87	42.76	60.00	17.24	37.95	50.00	12.05	PASS			

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Neutral Line:



Final	Final Data List												
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	ΑV Value [dBμV]	AV Limit [dBµV]	AV Margin [dB]	Verdict				
1	0.5985	9.78	38.95	56.00	17.05	33.73	46.00	12.27	PASS				
2	1.7891	9.75	39.62	56.00	16.38	34.60	46.00	11.40	PASS				
3	2.9831	9.87	39.53	56.00	16.47	33.42	46.00	12.58	PASS				
4	4.1756	9.96	40.18	56.00	15.82	33.48	46.00	12.52	PASS				
5	6.5598	9.99	40.66	60.00	19.34	33.67	50.00	16.33	PASS				
6	13.6983	9.90	30.38	60.00	29.62	16.59	50.00	33.41	PASS				

Remark:

- 1. The BLE 1M is the worse case.
- 2. The following Quasi-Peak and Average measurements were performed on the EUT:
- 3. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc.)



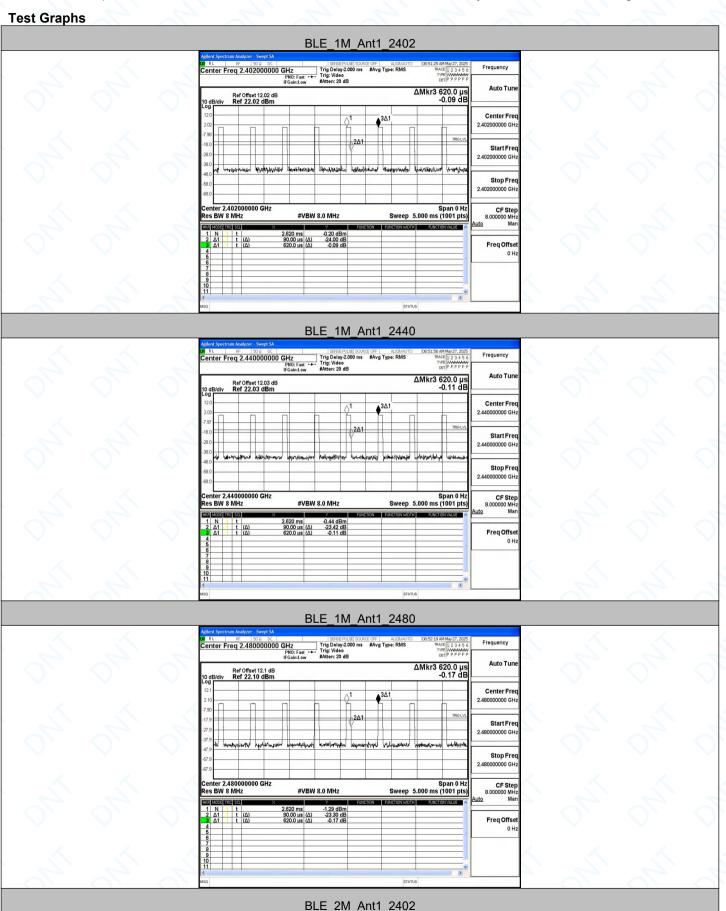
4 Appendix

Appendix A: Duty Cycle

Test Result

1 Cot I Court									
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	Х	DC [%]	xFactor	Limit	Verdict
		2402	0.09	0.62	0.1452	14.52	8.38		<u></u>
BLE_1M	Ant1	2440	0.09	0.62	0.1452	14.52	8.38		🔾
		2480	0.09	0.62	0.1452	14.52	8.38		<u> </u>
		2402	0.05	0.62	0.0806	8.06	10.94		<u> </u>
BLE_2M	Ant1	2440	0.06	0.63	0.0952	9.52	10.21		\
		2480	0.05	0.62	0.0806	8.06	10.94		/





Report No.: DNT2505140270R5058-06139 Date: May 28, 2025 Page: 35 / 54 ΔMkr3 620.0 μs -4.94 dB Center Fre 1, 2Δ1 Start Fre 2.402000000 GH Stop Free 2.402000000 GH CF Ste 8.000000 MH enter 2.402000000 GHz es BW 8 MHz Span 0 Hz Sweep 2.000 ms (1001 pts) #VBW 8.0 MHz 750.0 μs 50.00 μs (Δ) 620.0 μs (Δ) t (Δ) Freq Offse BLE 2M Ant1 2440 Auto Tun Ref Offset 12.03 dB Ref 22.03 dBm Center Fre 2.440000000 GH Start Fre Stop Fre Span 0 Hz Sweep 2.000 ms (1001 pts) Center 2.440000000 GHz Res BW 8 MHz #VBW 8.0 MHz Freq Offse BLE_2M_Ant1_2480 Center Freq 2.480000000 GHz
PN0: Fast
IFGaint.ow
#Atten: 20 dB Auto Tun ΔMkr3 620.0 μs -10.98 dB Center Free <u>01</u>2Δ1 Start Fre Stop Fre enter 2.480000000 GHz es BW 8 MHz Span 0 Hz Sweep 2.000 ms (1001 pts #VBW 8.0 MHz 1 N 1 t (Δ) 2 Δ1 1 t (Δ) 3 Δ1 1 t (Δ) 750.0 μs (Δ) 50.00 μs (Δ) 620.0 μs (Δ) Freq Offs

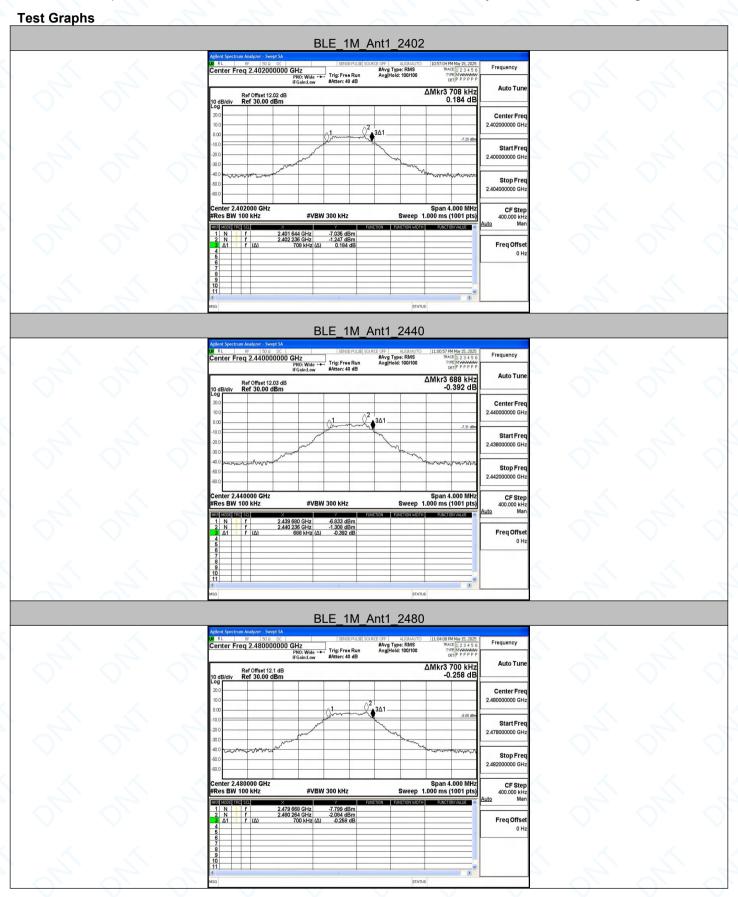


Appendix B: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		2402	0.708	2401.644	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.680	2440.368	0.5	PASS
		2480	0.700	2479.668	2480.368	0.5	PASS
		2402	1.256	2401.332	2402.588	0.5	PASS
BLE_2M	2M Ant1	2440	1.124	2439.428	2440.552	0.5	PASS
		2480	1.228	2479.372	2480.600	0.5	PASS





Report No.: DNT2505140270R5058-06139 Date: May 28, 2025 Page: 38 / 54 BLE_2M_Ant1_2402 #Avg Type: RMS AvalHold: 100/100 enter Freq 2.402000000 GHz Auto Tun Ref Offset 12.02 dB Ref 30.00 dBm Center Fre Start Fre enter 2.402000 GHz Res BW 100 kHz Freq Offse BLE 2M Ant1 2440 #Avg Type: RMS Avg|Hold: 100/100 ΔMkr3 1.124 MHz 0.012 dB Ref Offset 12.03 dB Ref 30.00 dBm Center Fre Stop Fre 2.442000000 GH Span 4.000 MHz Sweep 1.000 ms (1001 pts) BLE_2M_Ant1_2480 Frequency #Avg Type: RMS Avg|Hold: 100/100 Center Fre Stop Free CF Stej 400.000 kH Freq Offse

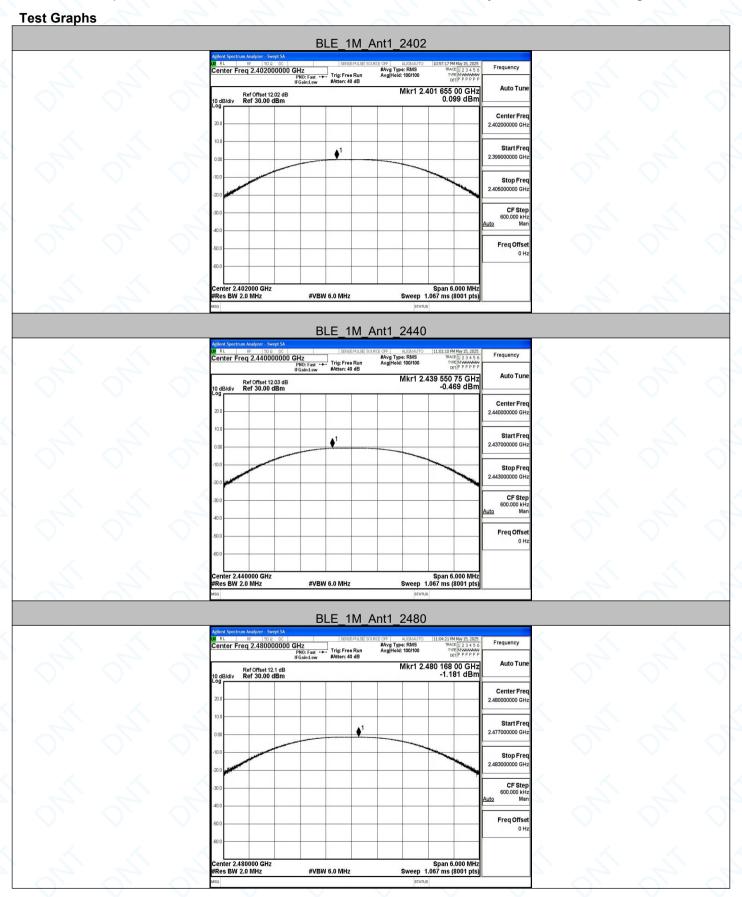


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Freq(MHz)	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M		2402	0.10	≤30	PASS
	Ant1	2440	-0.47	≤30	PASS
		2480	-1.18	≤30	PASS
	Ant1	2402	0.15	≤30	PASS
BLE_2M		2440	-0.33	≤30	PASS
		2480	-1.16	≤30	PASS





Report No.: DNT2505140270R5058-06139 Page: 41/54 Date: May 28, 2025 BLE_2M_Ant1_2402 #Avg Type: RMS AvalHold: 100/100 Auto Tun Ref Offset 12.02 dB Ref 30.00 dBm Center Fre 402000000 GH Start Fre Freq Offs enter 2.402000 GHz les BW 2.0 MHz Span 6.000 MHz Sweep 1.067 ms (8001 pts #VBW 6.0 MHz BLE 2M Ant1 2440 RL FF S0Q DC
enter Freq 2.440000000 GHz
PNO: Fast FG Sind.ow
#Atten: 40 dB #Avg Type: RMS Avg|Hold: 100/100 Mkr1 2.439 788 50 GHz -0.331 dBm Center Fre Start Fre Freq Offse Span 6.000 MHz Sweep 1.067 ms (8001 pts enter 2.440000 GHz Res BW 2.0 MHz #VBW 6.0 MHz BLE_2M_Ant1_2480 Frequency #Avg Type: RMS Avg|Hold: 100/100 Mkr1 2.480 582 00 GHz -1.164 dBm Center Fre Start Fre 2.477000000 GH Stop Free CF Ste 600.000 kH Freq Offse nter 2.480000 GHz es BW 2.0 MHz Span 6.000 MHz Sweep 1.067 ms (8001 pts #VBW 6.0 MHz