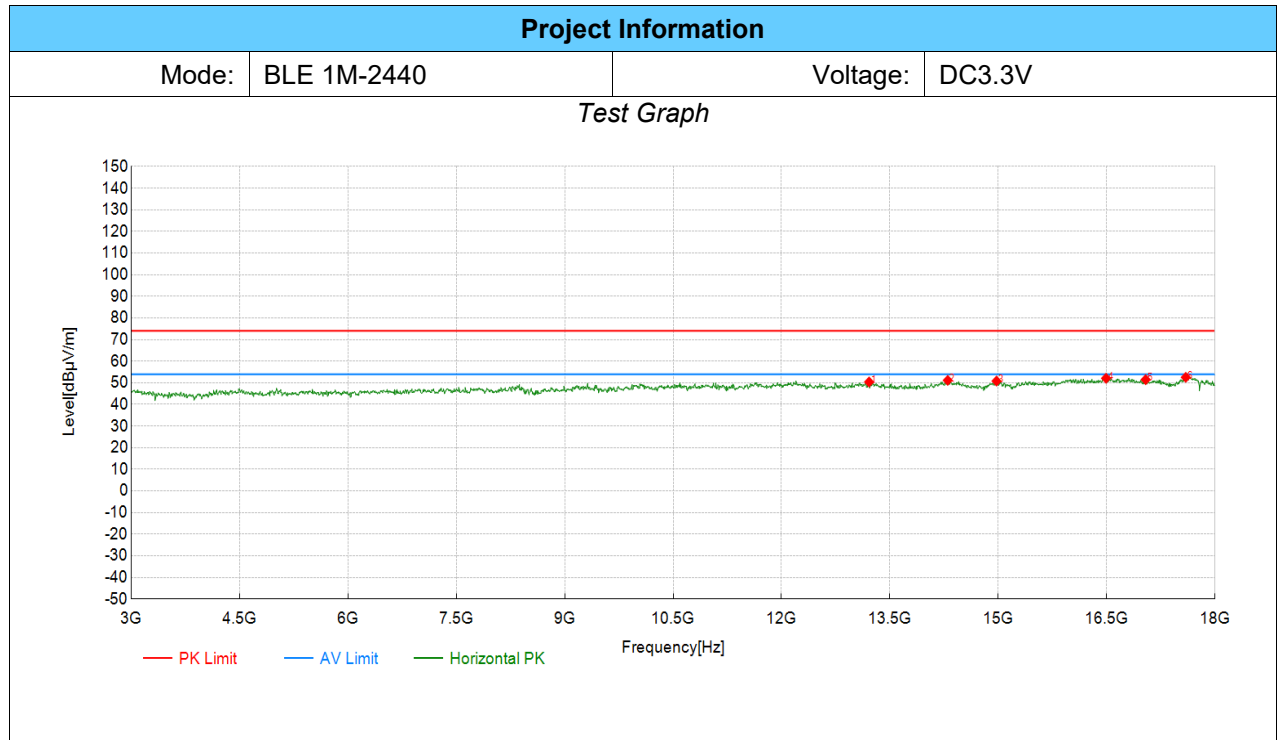
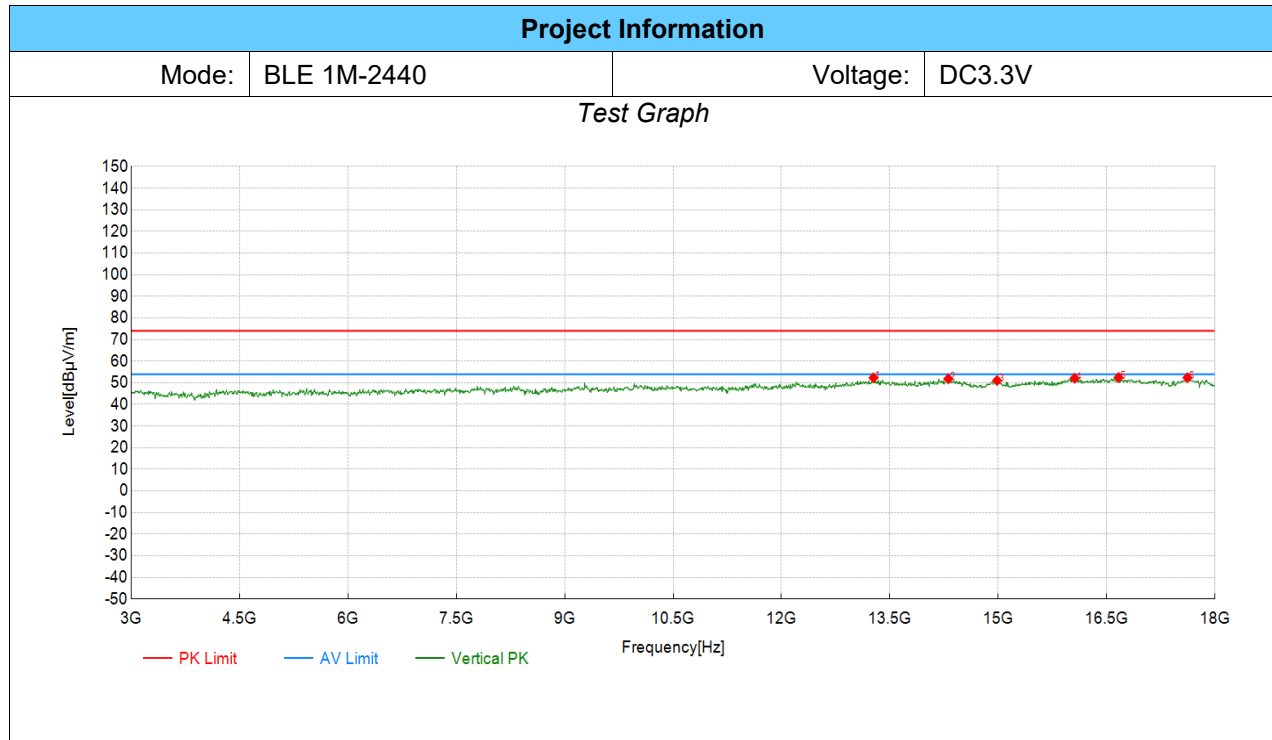




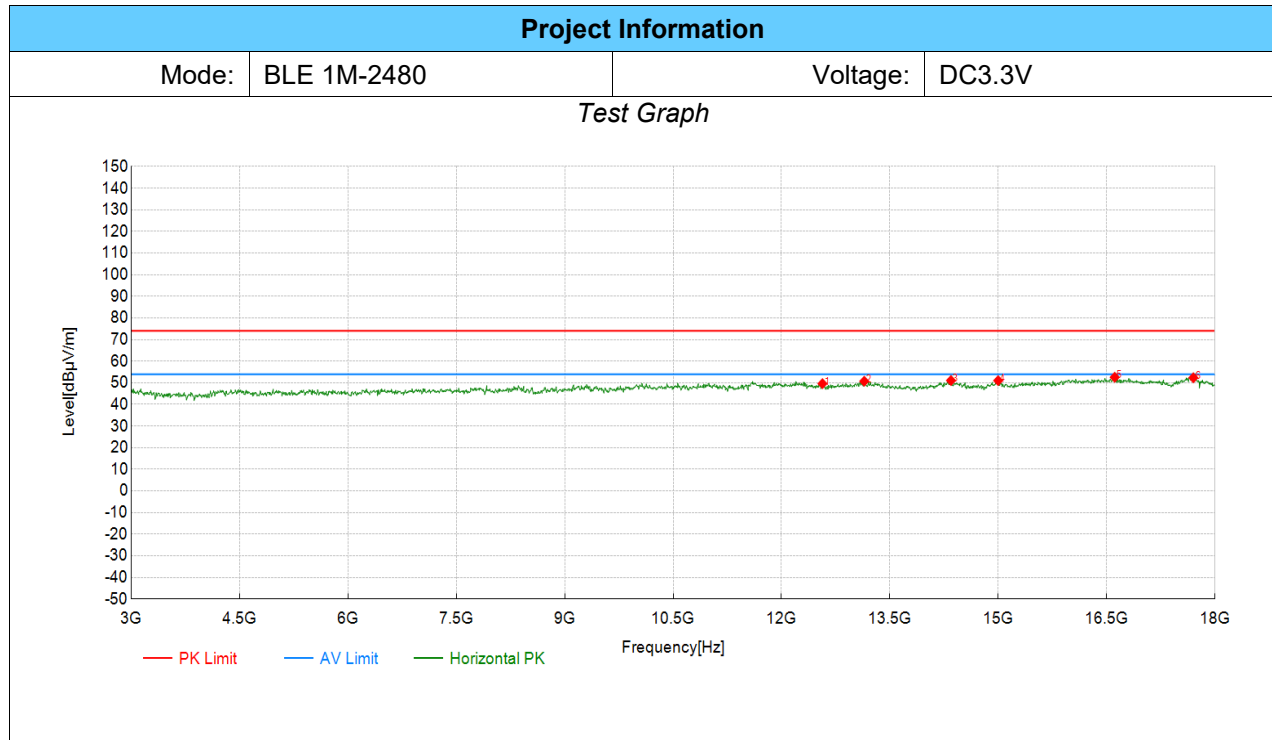
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	13212.61	42.01	50.39	8.38	74.00	23.61	PK	Horizontal	PASS
2	14300.65	42.64	51.14	8.50	74.00	22.86	PK	Horizontal	PASS
3	14975.99	42.73	50.83	8.10	74.00	23.17	PK	Horizontal	PASS
4	16491.75	41.79	52.11	10.32	74.00	21.89	PK	Horizontal	PASS
5	17039.52	40.13	51.49	11.36	74.00	22.51	PK	Horizontal	PASS
6	17594.80	39.51	52.55	13.04	74.00	21.45	PK	Horizontal	PASS

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



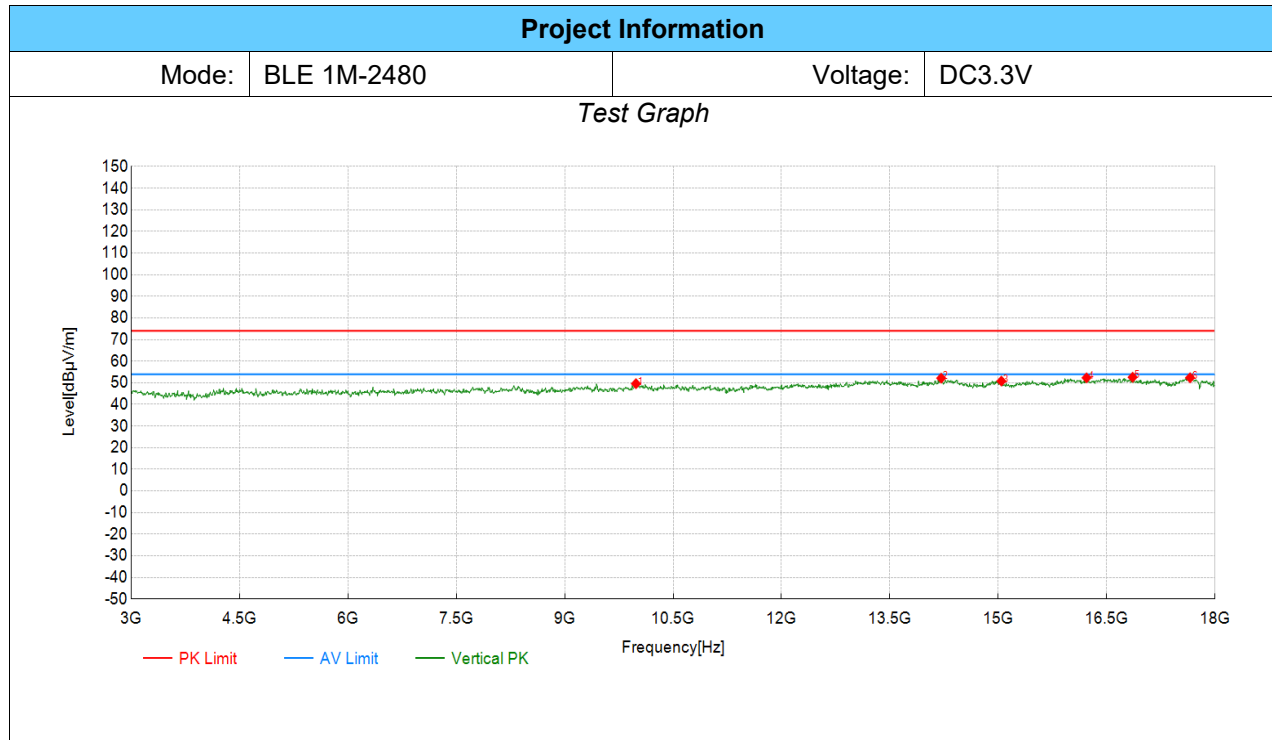
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	13272.64	44.04	52.31	8.27	74.00	21.69	PK	Vertical	PASS
2	14308.15	43.40	51.87	8.47	74.00	22.13	PK	Vertical	PASS
3	14983.49	42.96	51.07	8.11	74.00	22.93	PK	Vertical	PASS
4	16056.53	42.52	52.11	9.59	74.00	21.89	PK	Vertical	PASS
5	16664.33	41.82	52.46	10.64	74.00	21.54	PK	Vertical	PASS
6	17617.31	39.30	52.38	13.08	74.00	21.62	PK	Vertical	PASS

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



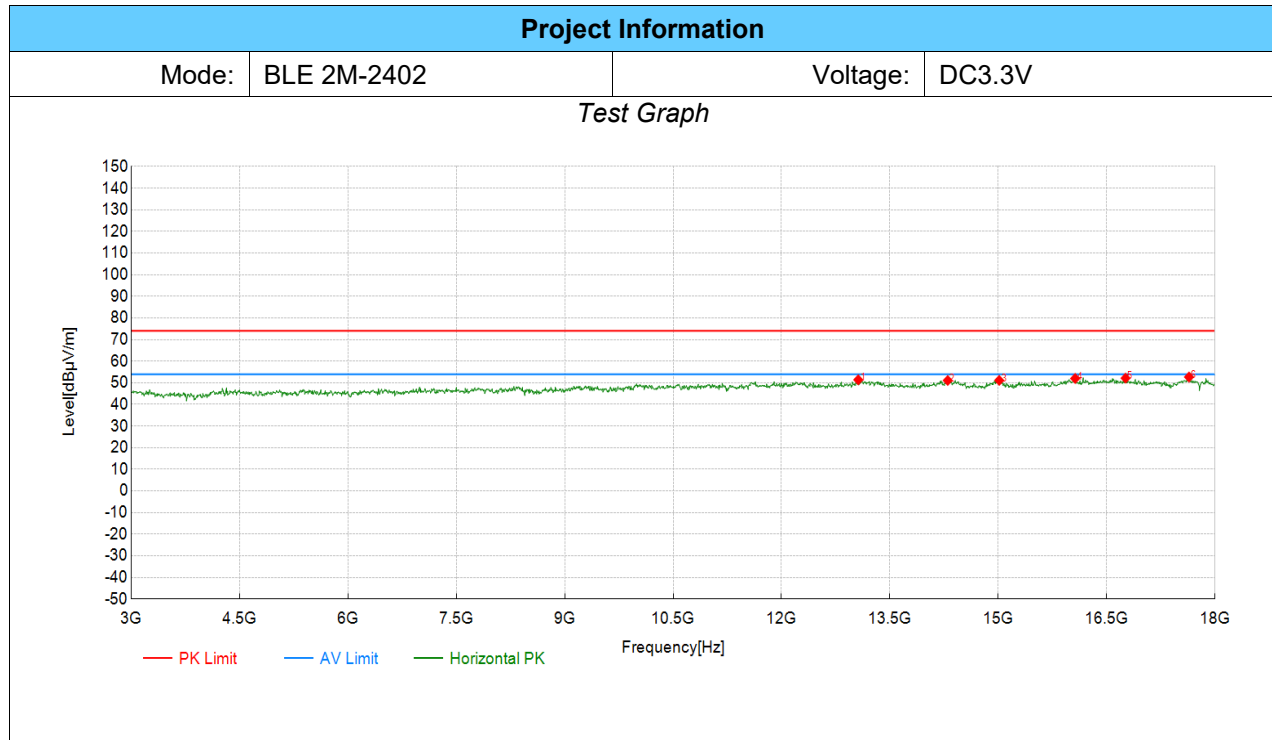
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	12567.28	43.52	49.63	6.11	74.00	24.37	PK	Horizontal	PASS
2	13145.07	42.57	50.72	8.15	74.00	23.28	PK	Horizontal	PASS
3	14345.67	42.75	51.08	8.33	74.00	22.92	PK	Horizontal	PASS
4	14998.50	42.85	51.01	8.16	74.00	22.99	PK	Horizontal	PASS
5	16611.81	41.88	52.56	10.68	74.00	21.44	PK	Horizontal	PASS
6	17699.85	39.31	52.35	13.04	74.00	21.65	PK	Horizontal	PASS

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



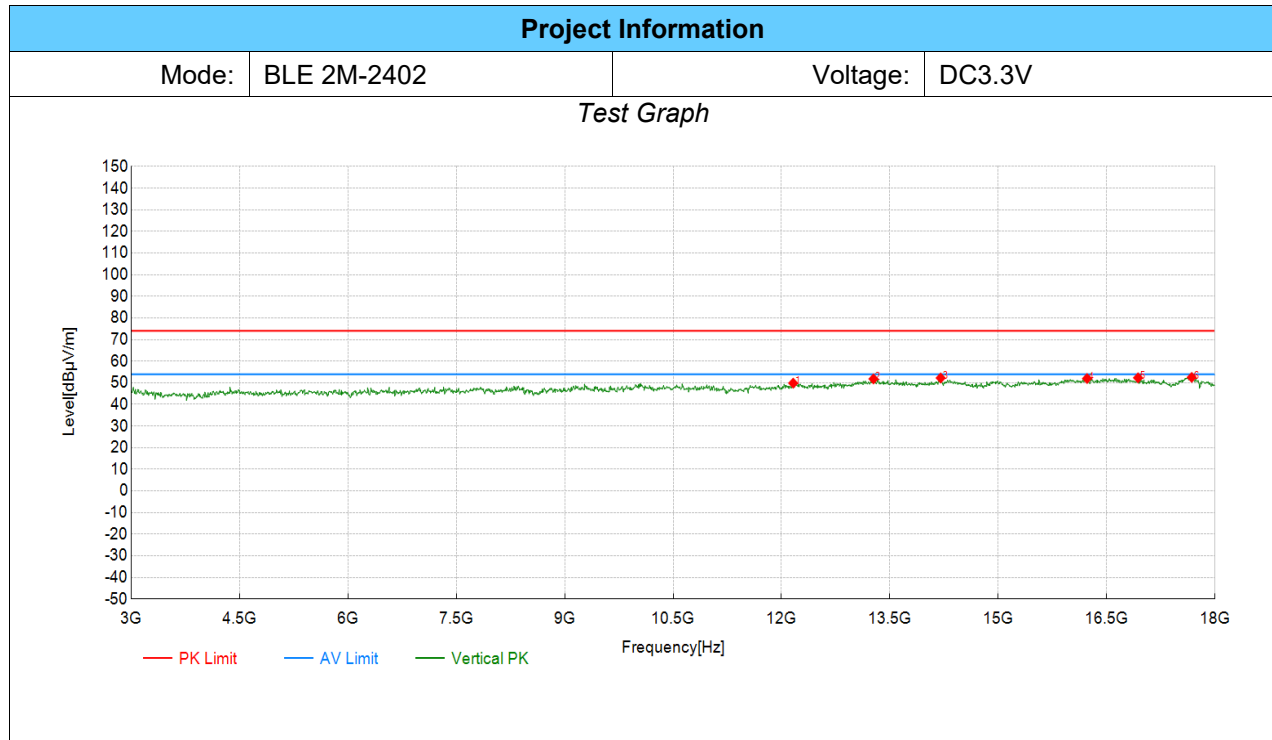
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	9985.99	45.15	49.61	4.46	74.00	24.39	PK	Vertical	PASS
2	14210.61	43.29	52.15	8.86	74.00	21.85	PK	Vertical	PASS
3	15043.52	42.87	50.81	7.94	74.00	23.19	PK	Vertical	PASS
4	16221.61	42.95	52.31	9.36	74.00	21.69	PK	Vertical	PASS
5	16859.43	41.84	52.59	10.75	74.00	21.41	PK	Vertical	PASS
6	17654.83	39.26	52.33	13.07	74.00	21.67	PK	Vertical	PASS

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



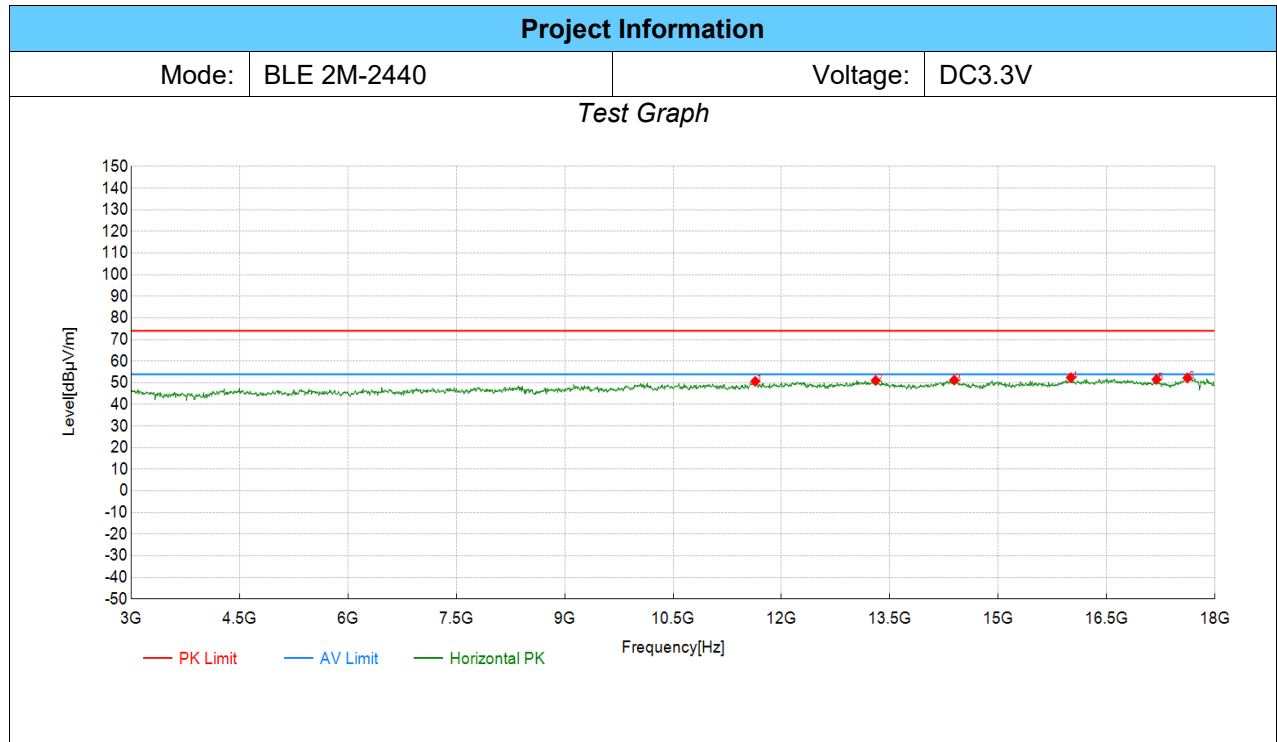
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	13062.53	43.60	51.39	7.79	74.00	22.61	PK	Horizontal	PASS
2	14300.65	42.59	51.09	8.50	74.00	22.91	PK	Horizontal	PASS
3	15013.51	43.04	51.13	8.09	74.00	22.87	PK	Horizontal	PASS
4	16064.03	42.44	52.01	9.57	74.00	21.99	PK	Horizontal	PASS
5	16761.88	41.58	52.15	10.57	74.00	21.85	PK	Horizontal	PASS
6	17639.82	39.58	52.66	13.08	74.00	21.34	PK	Horizontal	PASS

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



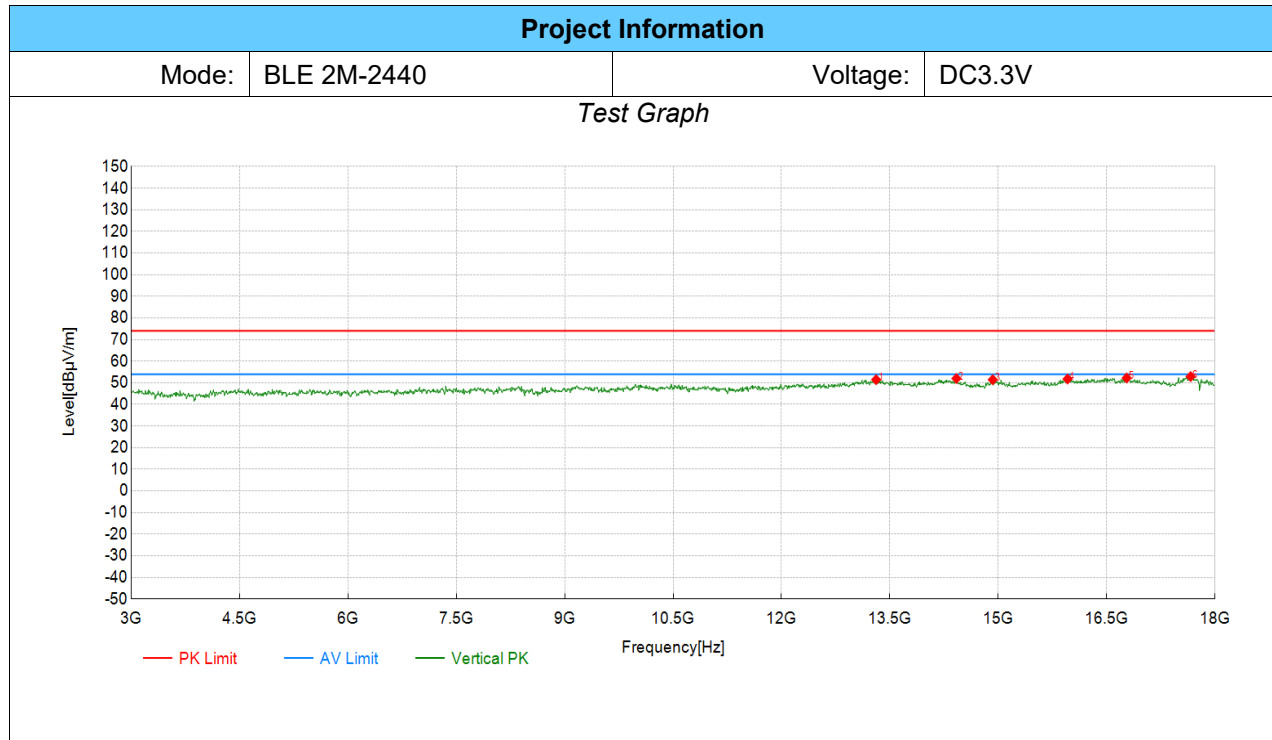
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	12162.08	43.28	49.85	6.57	74.00	24.15	PK	Vertical	PASS
2	13272.64	43.54	51.81	8.27	74.00	22.19	PK	Vertical	PASS
3	14203.10	43.37	52.25	8.88	74.00	21.75	PK	Vertical	PASS
4	16229.11	42.59	51.99	9.40	74.00	22.01	PK	Vertical	PASS
5	16934.47	41.28	52.31	11.03	74.00	21.69	PK	Vertical	PASS
6	17677.34	39.48	52.53	13.05	74.00	21.47	PK	Vertical	PASS

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



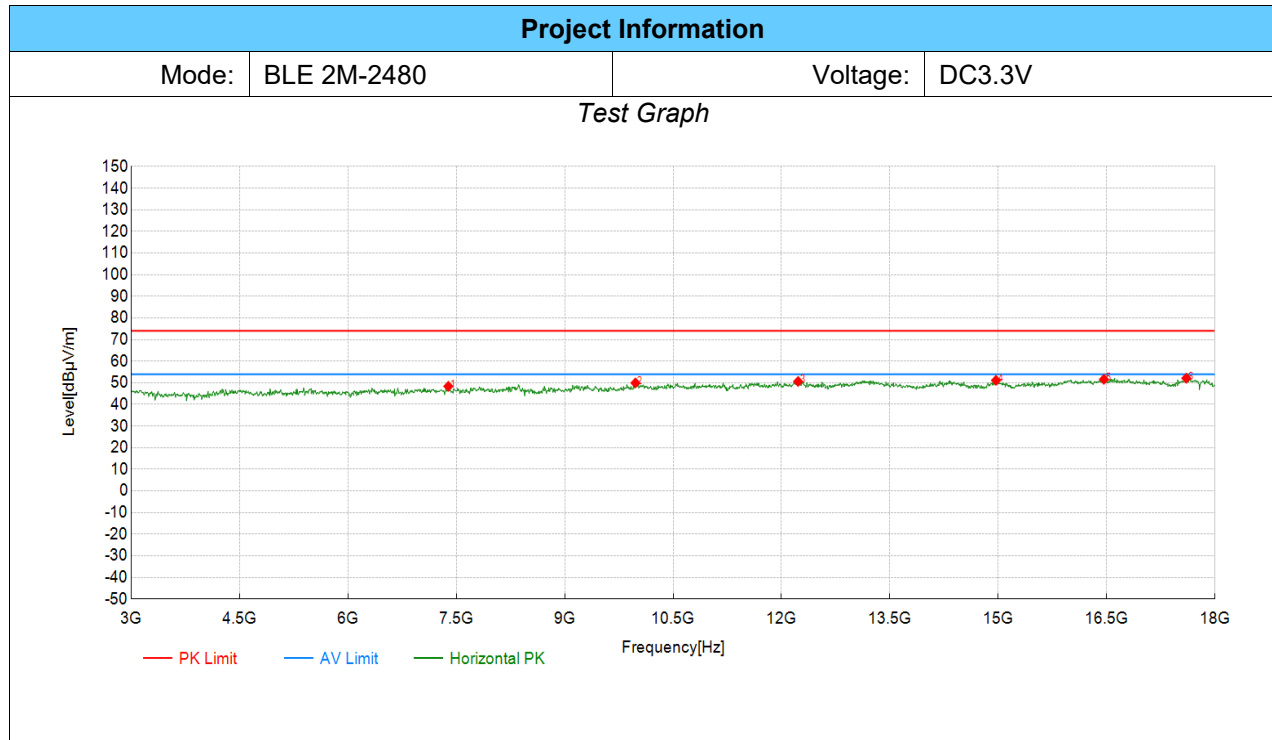
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11636.82	44.98	50.65	5.67	74.00	23.35	PK	Horizontal	PASS
2	13302.65	42.86	51.07	8.21	74.00	22.93	PK	Horizontal	PASS
3	14390.70	43.11	51.26	8.15	74.00	22.74	PK	Horizontal	PASS
4	16004.00	42.73	52.41	9.68	74.00	21.59	PK	Horizontal	PASS
5	17189.59	39.89	51.57	11.68	74.00	22.43	PK	Horizontal	PASS
6	17617.31	39.19	52.27	13.08	74.00	21.73	PK	Horizontal	PASS

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



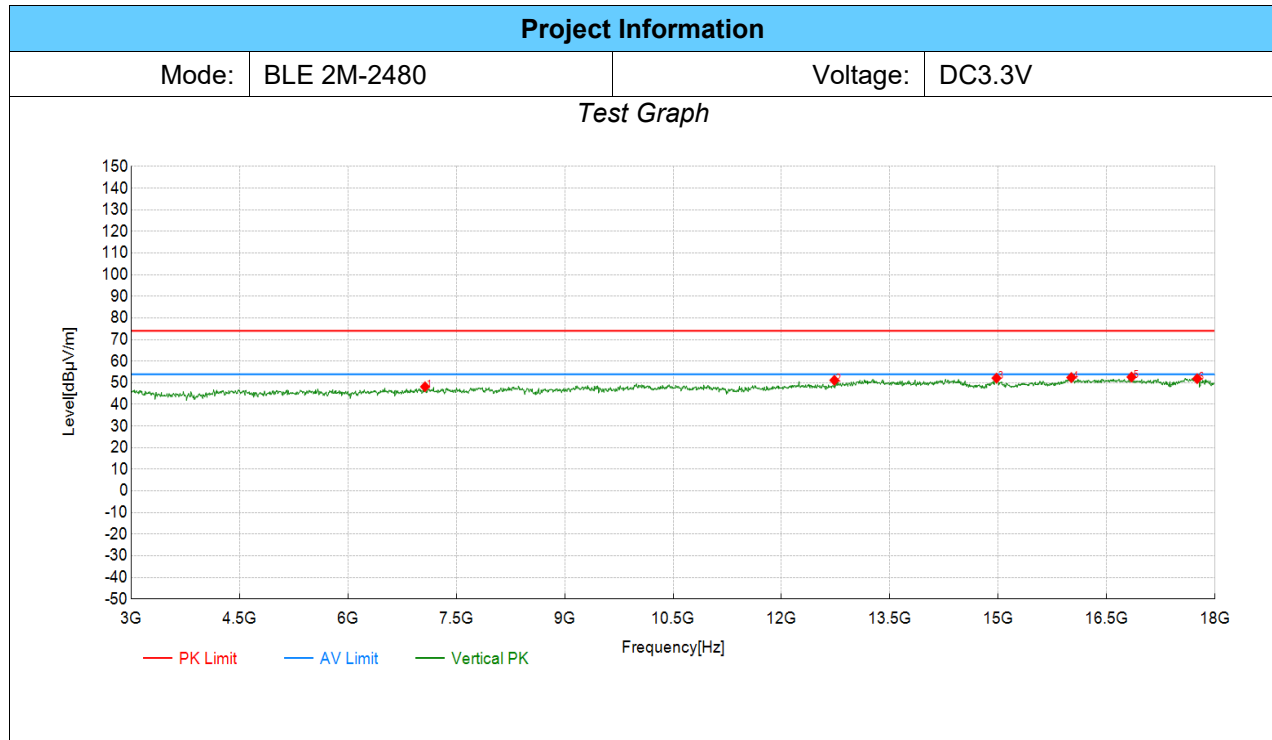
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	13310.16	43.27	51.47	8.20	74.00	22.53	PK	Vertical	PASS
2	14420.71	44.00	52.00	8.00	74.00	22.00	PK	Vertical	PASS
3	14923.46	43.52	51.44	7.92	74.00	22.56	PK	Vertical	PASS
4	15958.98	42.44	51.76	9.32	74.00	22.24	PK	Vertical	PASS
5	16776.89	41.69	52.24	10.55	74.00	21.76	PK	Vertical	PASS
6	17662.33	39.84	52.90	13.06	74.00	21.10	PK	Vertical	PASS

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



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7389.69	47.00	48.38	1.38	74.00	25.62	PK	Horizontal	PASS
2	9978.49	45.56	49.97	4.41	74.00	24.03	PK	Horizontal	PASS
3	12229.61	44.07	50.63	6.56	74.00	23.37	PK	Horizontal	PASS
4	14968.48	43.09	51.15	8.06	74.00	22.85	PK	Horizontal	PASS
5	16461.73	41.40	51.61	10.21	74.00	22.39	PK	Horizontal	PASS
6	17602.30	39.03	52.13	13.10	74.00	21.87	PK	Horizontal	PASS

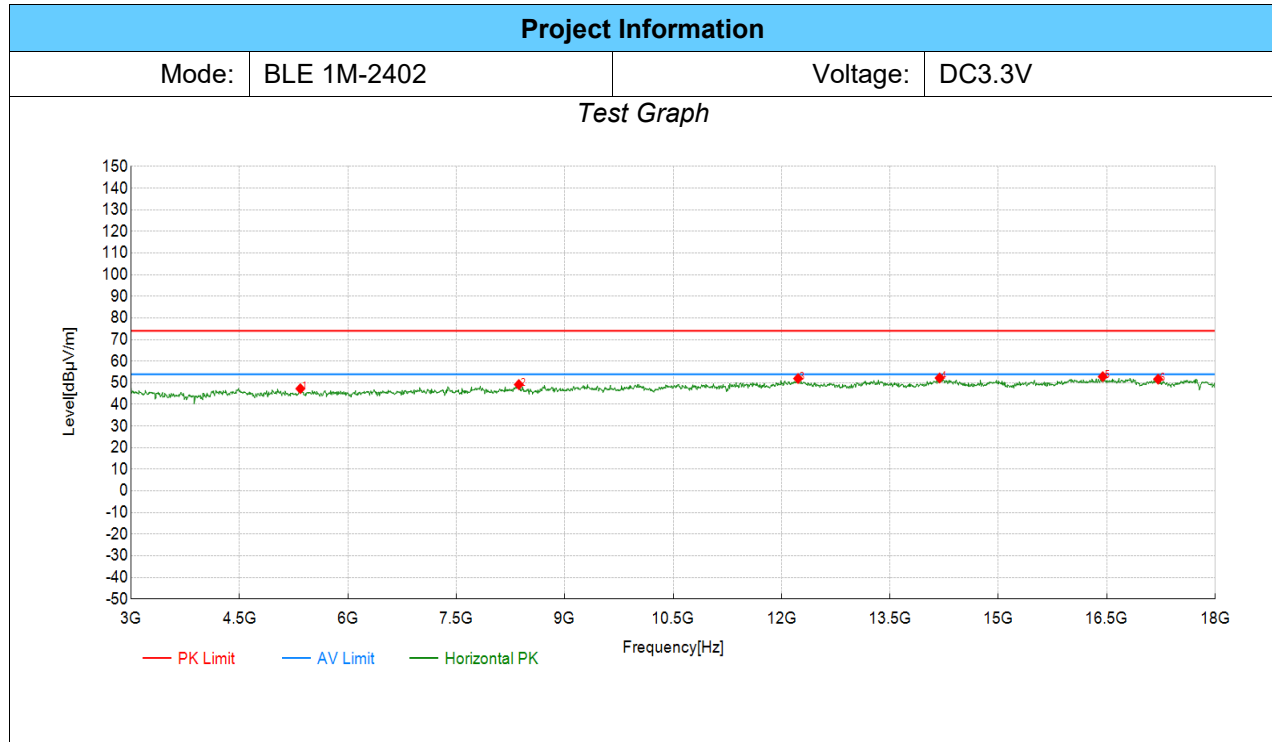
Note: (1) Level = Reading + Factor
 (2) Margin = Limit - Level



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	7067.03	46.88	48.17	1.29	74.00	25.83	PK	Vertical	PASS
2	12732.37	44.40	51.18	6.78	74.00	22.82	PK	Vertical	PASS
3	14975.99	44.07	52.17	8.10	74.00	21.83	PK	Vertical	PASS
4	16011.51	42.76	52.43	9.67	74.00	21.57	PK	Vertical	PASS
5	16844.42	41.98	52.68	10.70	74.00	21.32	PK	Vertical	PASS
6	17752.38	38.90	51.91	13.01	74.00	22.09	PK	Vertical	PASS

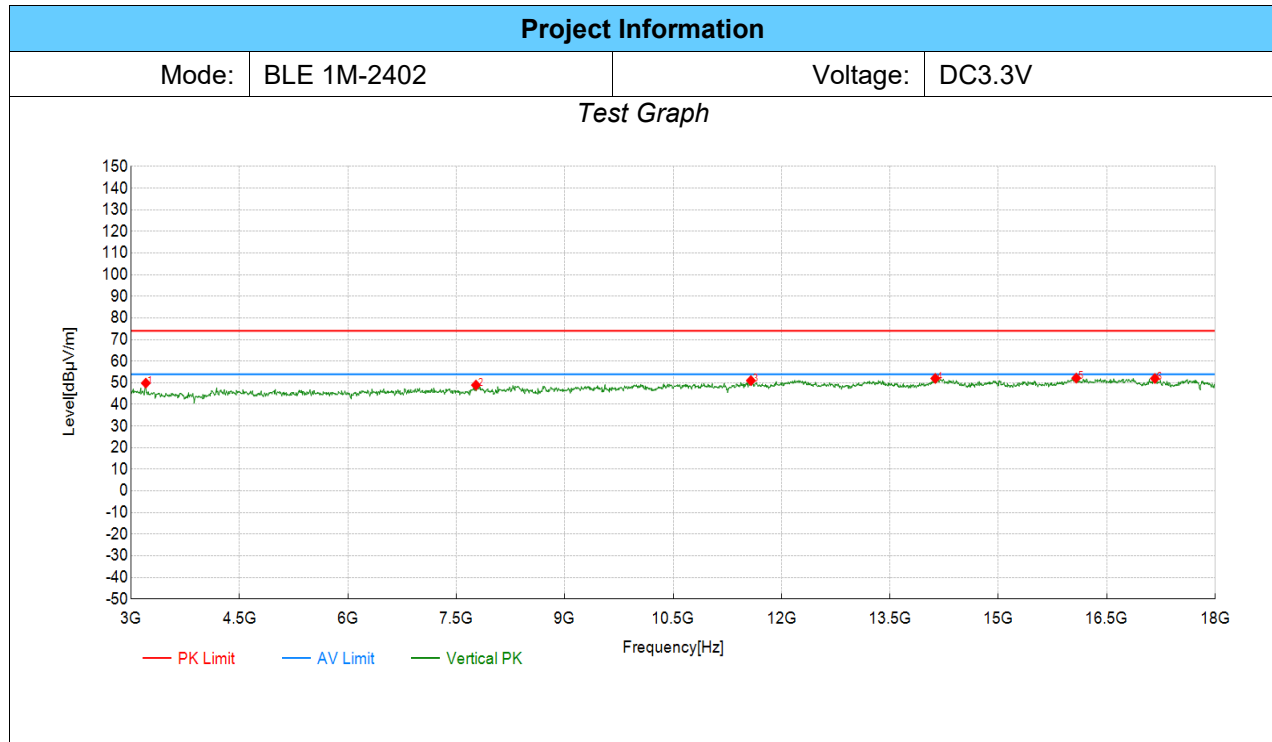
Note:(1)Level=Reading+Factor
 (2)Margin=Limit-Level

8.12. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)-ANT2 FPC EXTERNAL ANTENNA(PD513)



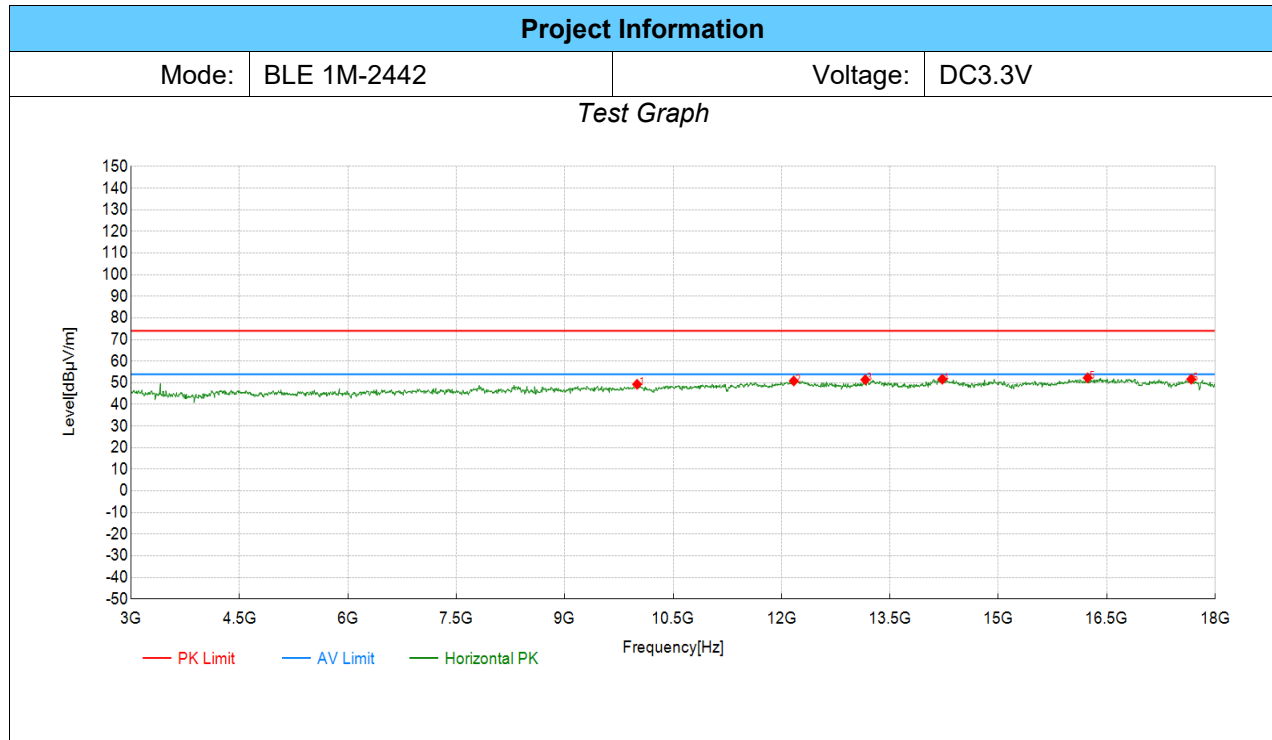
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5341.17	49.44	47.28	-2.16	74.00	26.72	PK	Horizontal	PASS
2	8365.18	45.54	49.20	3.66	74.00	24.80	PK	Horizontal	PASS
3	12229.61	45.43	51.99	6.56	74.00	22.01	PK	Horizontal	PASS
4	14188.09	43.40	52.25	8.85	74.00	21.75	PK	Horizontal	PASS
5	16446.72	42.69	52.85	10.16	74.00	21.15	PK	Horizontal	PASS
6	17212.11	40.04	51.70	11.66	74.00	22.30	PK	Horizontal	PASS

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



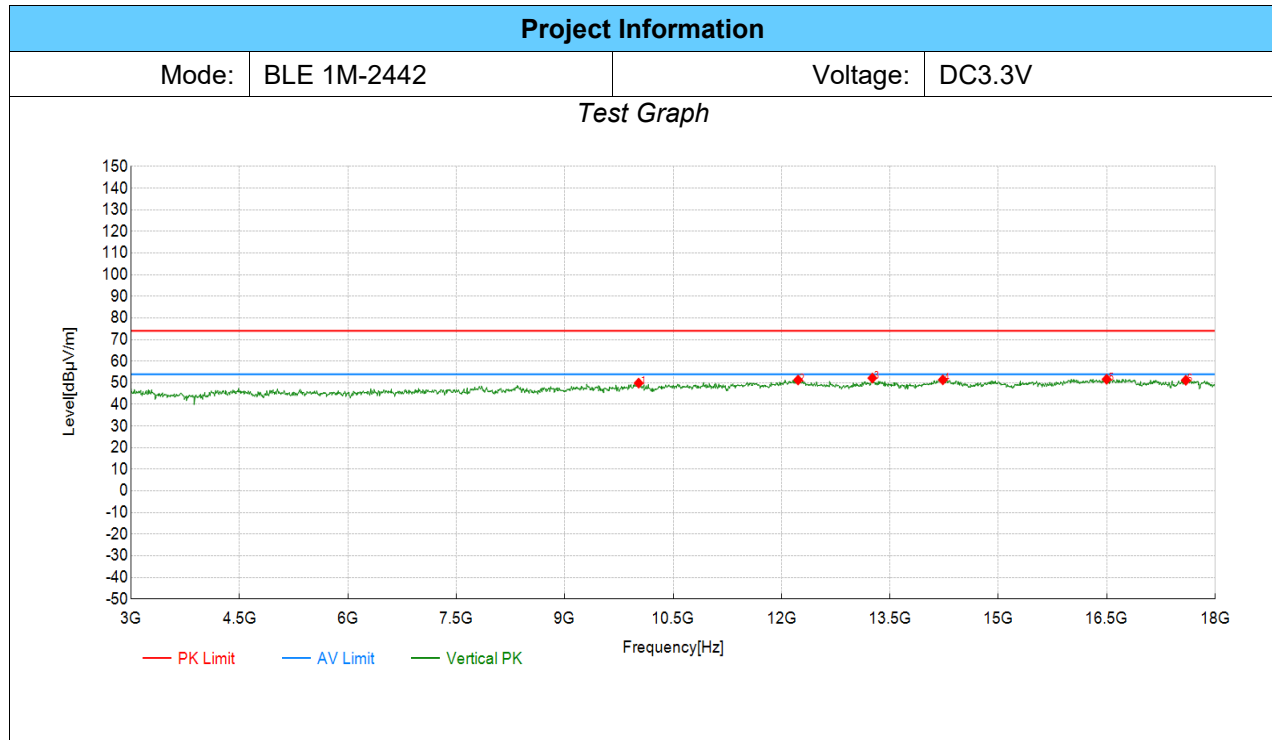
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3202.60	54.22	49.85	-4.37	74.00	24.15	PK	Vertical	PASS
2	7772.39	47.01	48.94	1.93	74.00	25.06	PK	Vertical	PASS
3	11576.79	45.28	51.01	5.73	74.00	22.99	PK	Vertical	PASS
4	14128.06	43.47	52.02	8.55	74.00	21.98	PK	Vertical	PASS
5	16079.04	42.63	52.17	9.54	74.00	21.83	PK	Vertical	PASS
6	17167.08	40.35	51.99	11.64	74.00	22.01	PK	Vertical	PASS

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



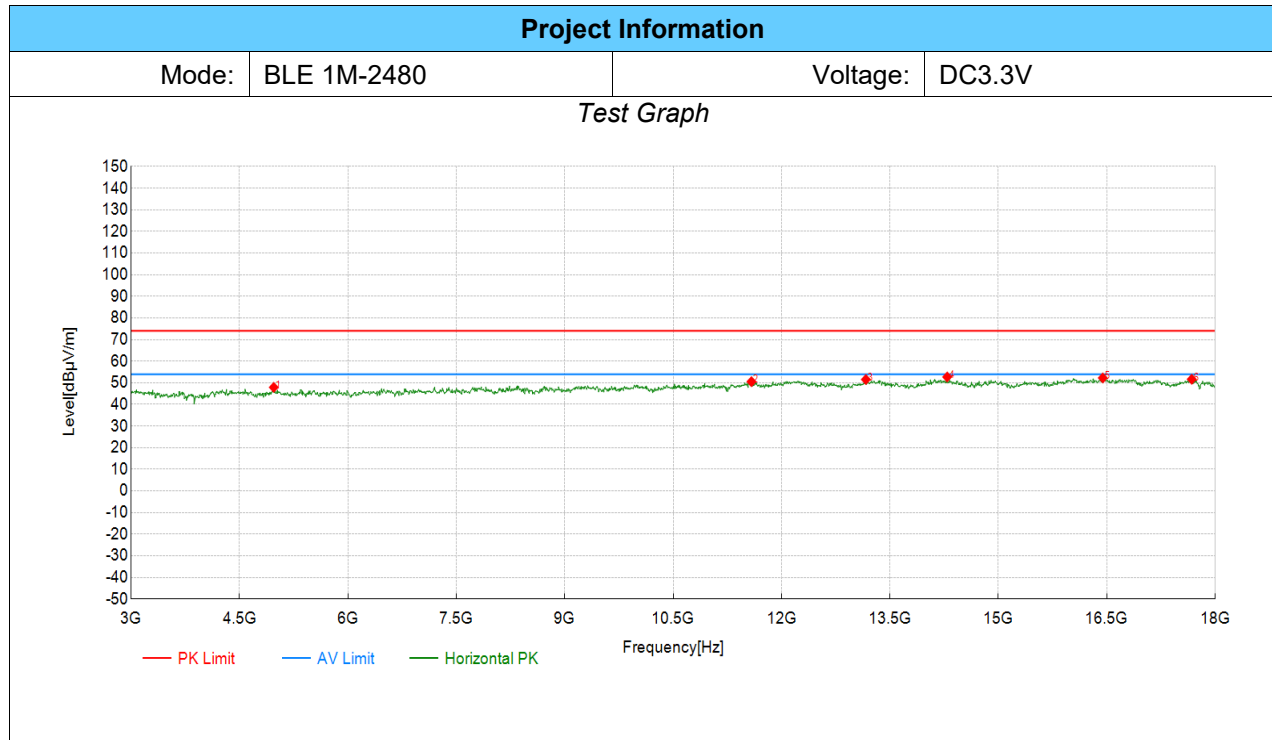
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10001.00	44.77	49.32	4.55	74.00	24.68	PK	Horizontal	PASS
2	12169.58	44.26	50.85	6.59	74.00	23.15	PK	Horizontal	PASS
3	13160.08	43.22	51.44	8.22	74.00	22.56	PK	Horizontal	PASS
4	14225.61	42.88	51.69	8.81	74.00	22.31	PK	Horizontal	PASS
5	16236.62	42.89	52.31	9.42	74.00	21.69	PK	Horizontal	PASS
6	17669.83	39.30	51.69	12.39	74.00	22.31	PK	Horizontal	PASS

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



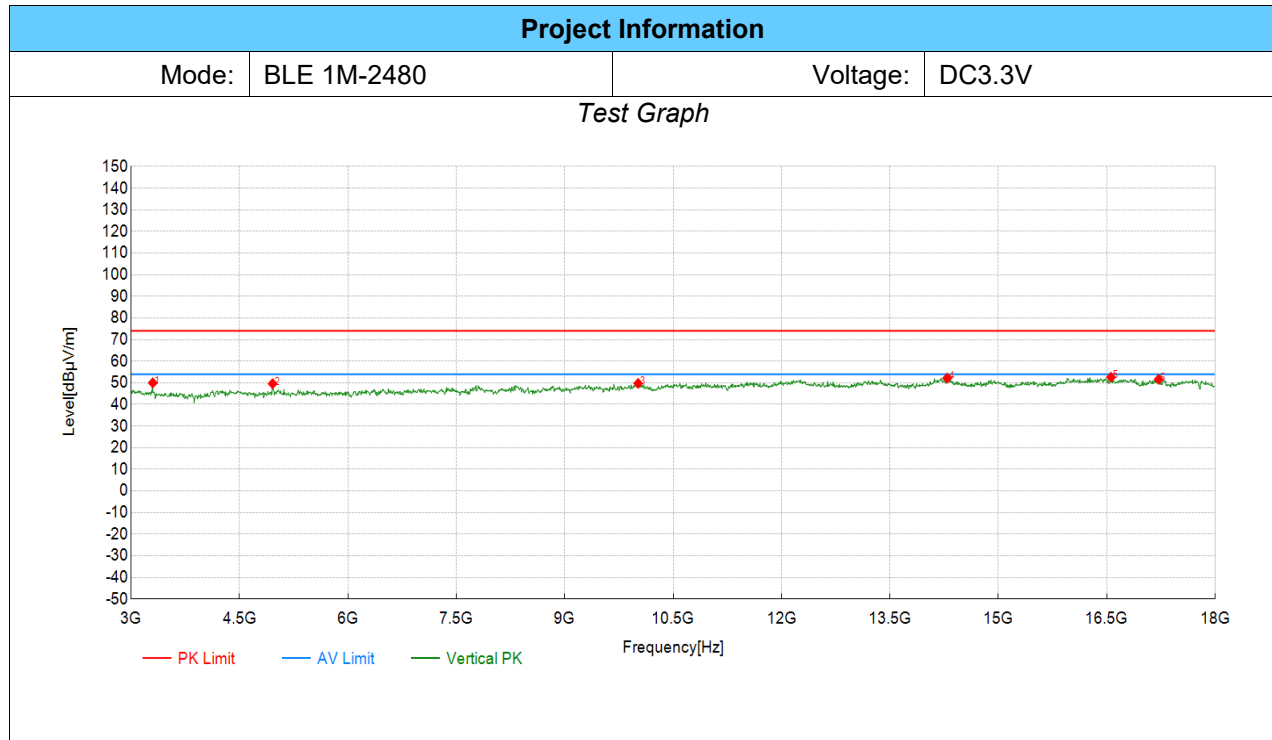
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10023.51	45.44	49.86	4.42	74.00	24.14	PK	Vertical	PASS
2	12229.61	44.73	51.29	6.56	74.00	22.71	PK	Vertical	PASS
3	13257.63	43.92	52.21	8.29	74.00	21.79	PK	Vertical	PASS
4	14233.12	42.61	51.38	8.77	74.00	22.62	PK	Vertical	PASS
5	16499.25	41.31	51.66	10.35	74.00	22.34	PK	Vertical	PASS
6	17594.80	38.70	51.16	12.46	74.00	22.84	PK	Vertical	PASS

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



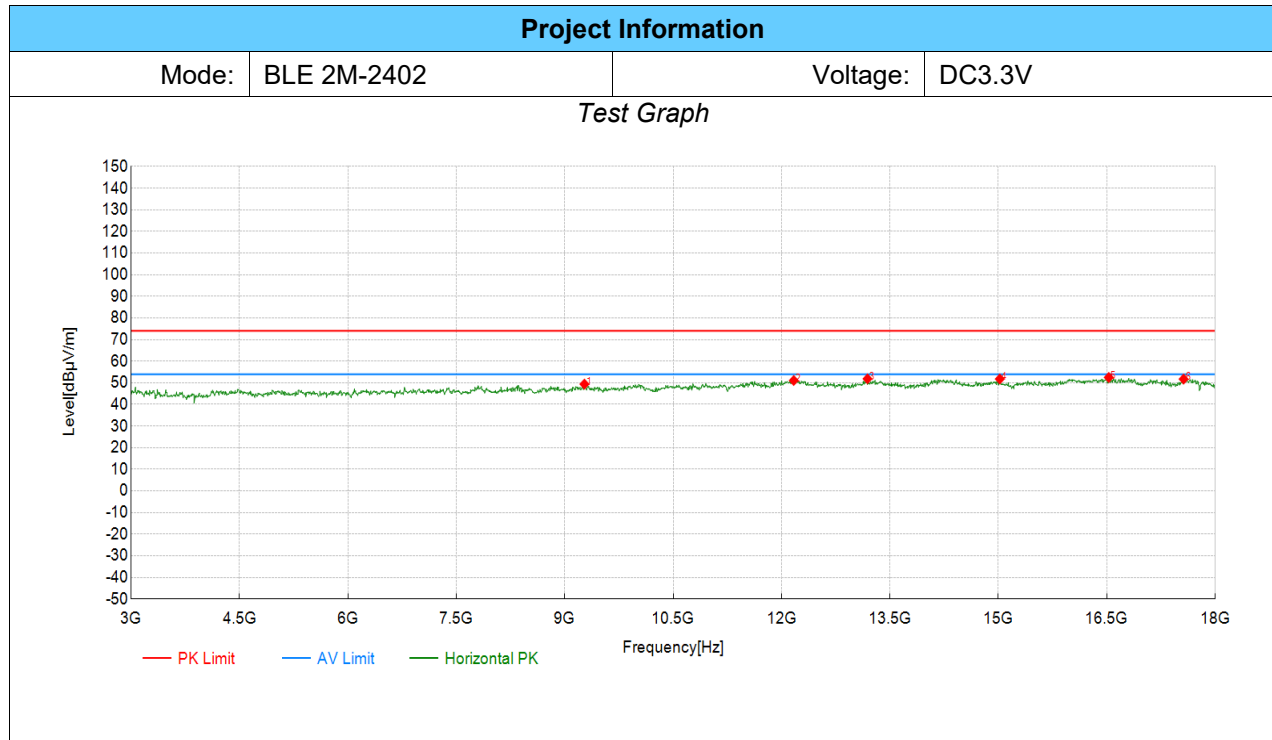
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4973.49	50.35	47.90	-2.45	74.00	26.10	PK	Horizontal	PASS
2	11584.29	44.77	50.53	5.76	74.00	23.47	PK	Horizontal	PASS
3	13167.58	43.29	51.55	8.26	74.00	22.45	PK	Horizontal	PASS
4	14293.15	44.17	52.70	8.53	74.00	21.30	PK	Horizontal	PASS
5	16446.72	42.09	52.25	10.16	74.00	21.75	PK	Horizontal	PASS
6	17677.34	39.27	51.65	12.38	74.00	22.35	PK	Horizontal	PASS

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



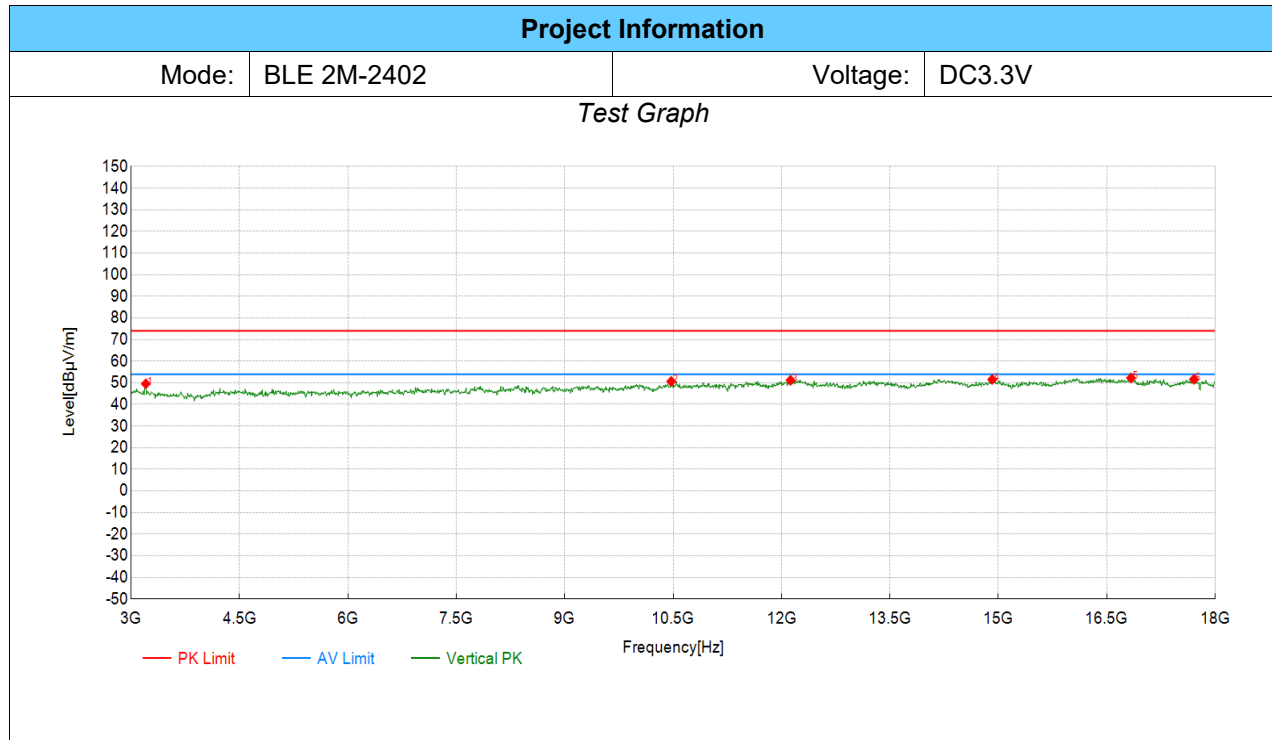
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3300.15	54.54	49.98	-4.56	74.00	24.02	PK	Vertical	PASS
2	4958.48	52.12	49.60	-2.52	74.00	24.40	PK	Vertical	PASS
3	10016.01	45.24	49.72	4.48	74.00	24.28	PK	Vertical	PASS
4	14293.15	43.66	52.19	8.53	74.00	21.81	PK	Vertical	PASS
5	16559.28	42.04	52.59	10.55	74.00	21.41	PK	Vertical	PASS
6	17219.61	39.99	51.60	11.61	74.00	22.40	PK	Vertical	PASS

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



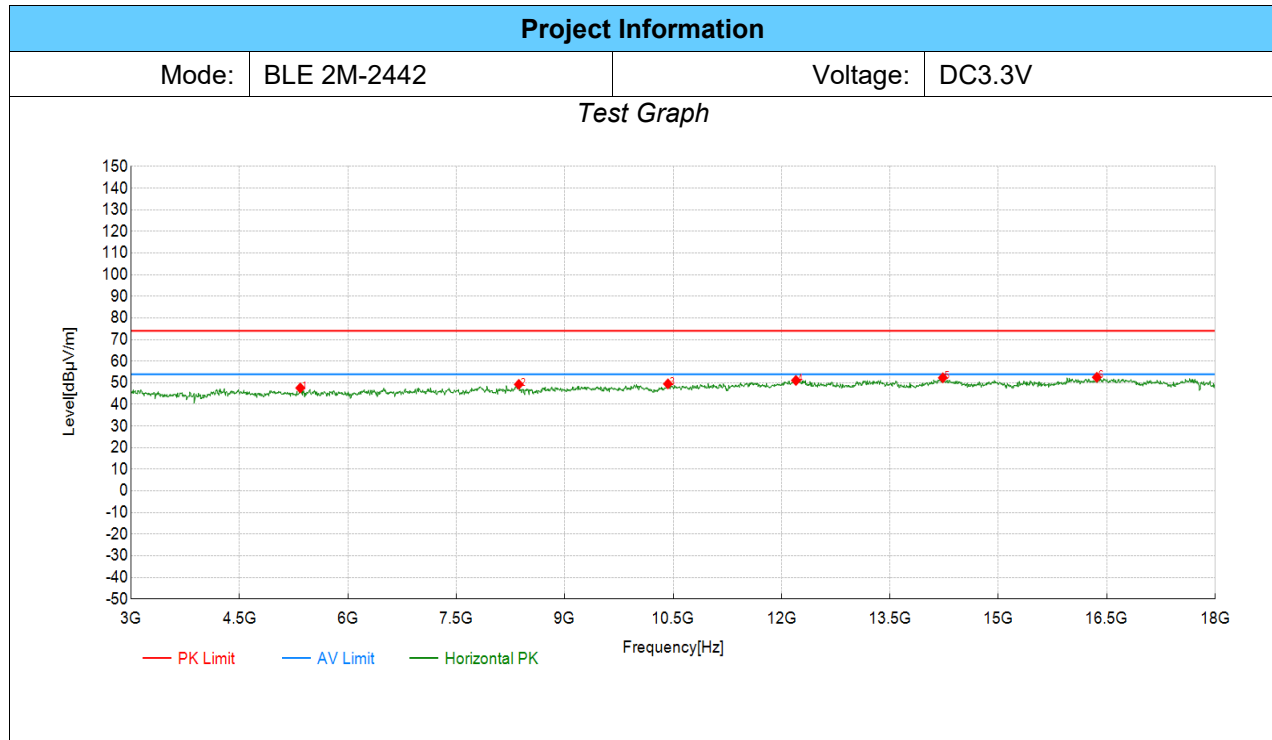
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	9273.14	45.80	49.40	3.60	74.00	24.60	PK	Horizontal	PASS
2	12169.58	44.49	51.08	6.59	74.00	22.92	PK	Horizontal	PASS
3	13190.10	43.51	51.87	8.36	74.00	22.13	PK	Horizontal	PASS
4	15021.01	43.73	51.78	8.05	74.00	22.22	PK	Horizontal	PASS
5	16529.26	42.03	52.48	10.45	74.00	21.52	PK	Horizontal	PASS
6	17564.78	39.56	51.74	12.18	74.00	22.26	PK	Horizontal	PASS

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



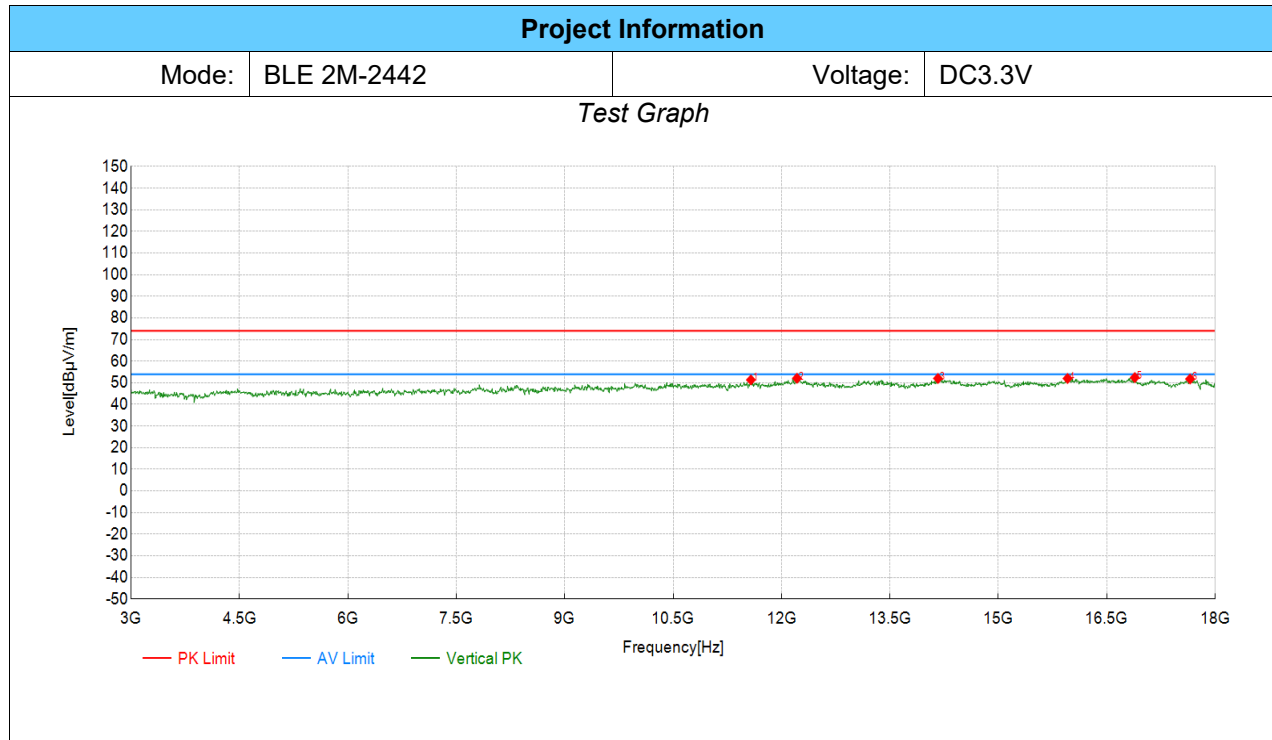
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3202.60	53.93	49.56	-4.37	74.00	24.44	PK	Vertical	PASS
2	10473.74	46.06	50.64	4.58	74.00	23.36	PK	Vertical	PASS
3	12124.56	44.73	51.20	6.47	74.00	22.80	PK	Vertical	PASS
4	14915.96	43.66	51.56	7.90	74.00	22.44	PK	Vertical	PASS
5	16836.92	41.57	52.23	10.66	74.00	21.77	PK	Vertical	PASS
6	17707.35	39.29	51.62	12.33	74.00	22.38	PK	Vertical	PASS

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



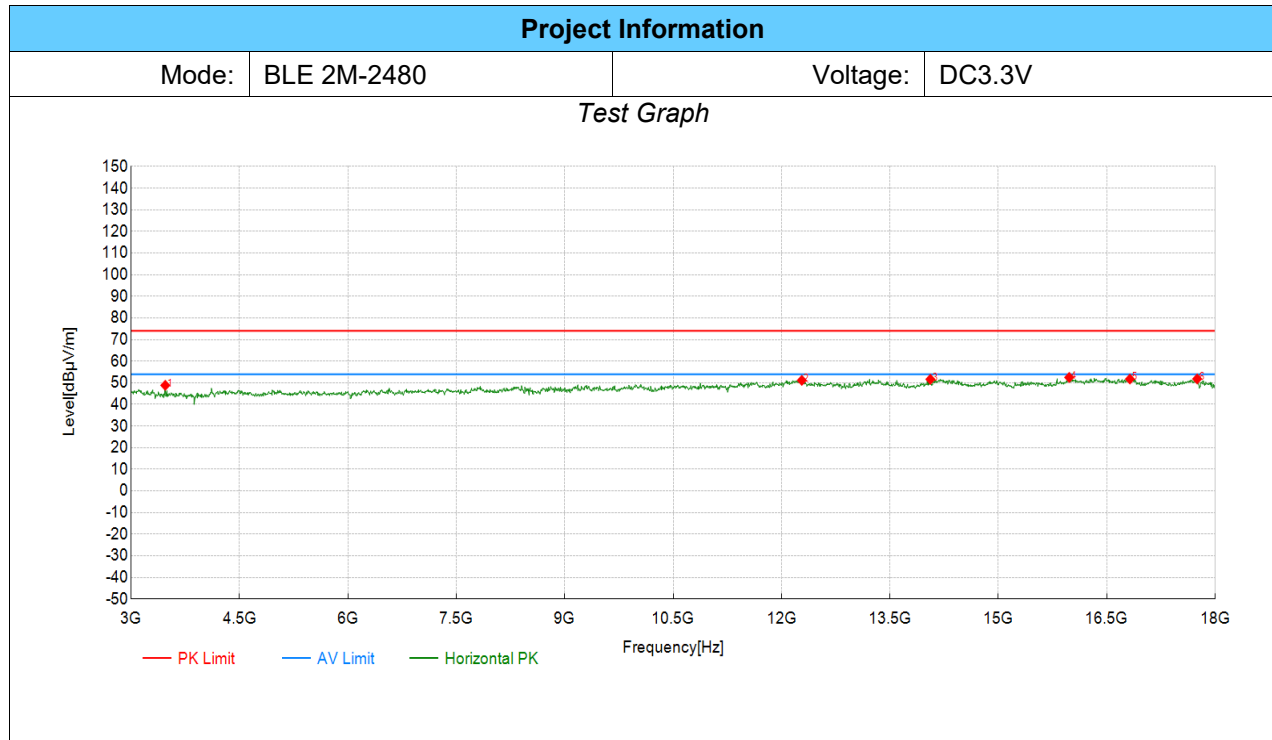
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5341.17	49.78	47.62	-2.16	74.00	26.38	PK	Horizontal	PASS
2	8365.18	45.62	49.28	3.66	74.00	24.72	PK	Horizontal	PASS
3	10428.71	44.87	49.52	4.65	74.00	24.48	PK	Horizontal	PASS
4	12199.60	44.43	51.09	6.66	74.00	22.91	PK	Horizontal	PASS
5	14233.12	43.56	52.33	8.77	74.00	21.67	PK	Horizontal	PASS
6	16364.18	42.70	52.56	9.86	74.00	21.44	PK	Horizontal	PASS

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



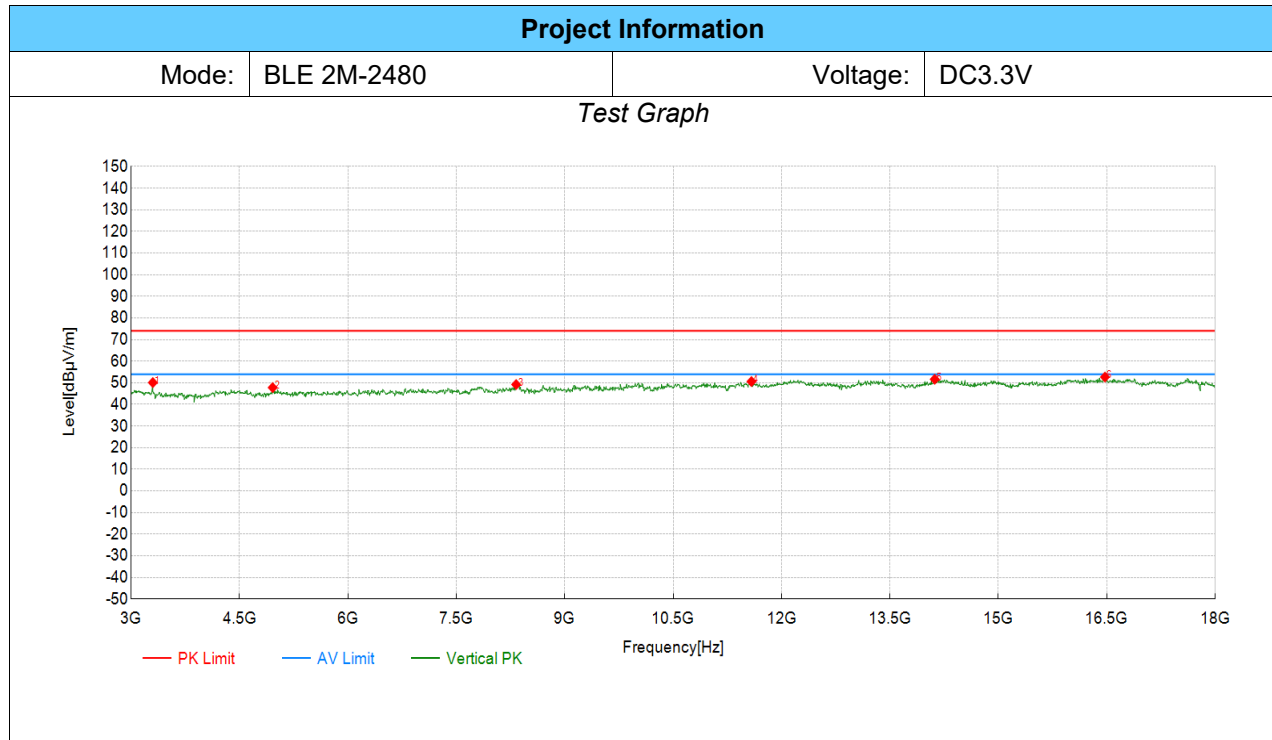
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11576.79	45.62	51.35	5.73	74.00	22.65	PK	Vertical	PASS
2	12214.61	45.50	52.11	6.61	74.00	21.89	PK	Vertical	PASS
3	14165.58	43.29	52.02	8.73	74.00	21.98	PK	Vertical	PASS
4	15958.98	42.68	52.00	9.32	74.00	22.00	PK	Vertical	PASS
5	16889.44	41.58	52.44	10.86	74.00	21.56	PK	Vertical	PASS
6	17654.83	39.37	51.78	12.41	74.00	22.22	PK	Vertical	PASS

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



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3472.74	53.67	48.84	-4.83	74.00	25.16	PK	Horizontal	PASS
2	12282.14	44.75	51.15	6.40	74.00	22.85	PK	Horizontal	PASS
3	14060.53	43.42	51.63	8.21	74.00	22.37	PK	Horizontal	PASS
4	15981.49	42.96	52.49	9.53	74.00	21.51	PK	Horizontal	PASS
5	16821.91	41.14	51.75	10.61	74.00	22.25	PK	Horizontal	PASS
6	17752.38	39.54	51.80	12.26	74.00	22.20	PK	Horizontal	PASS

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

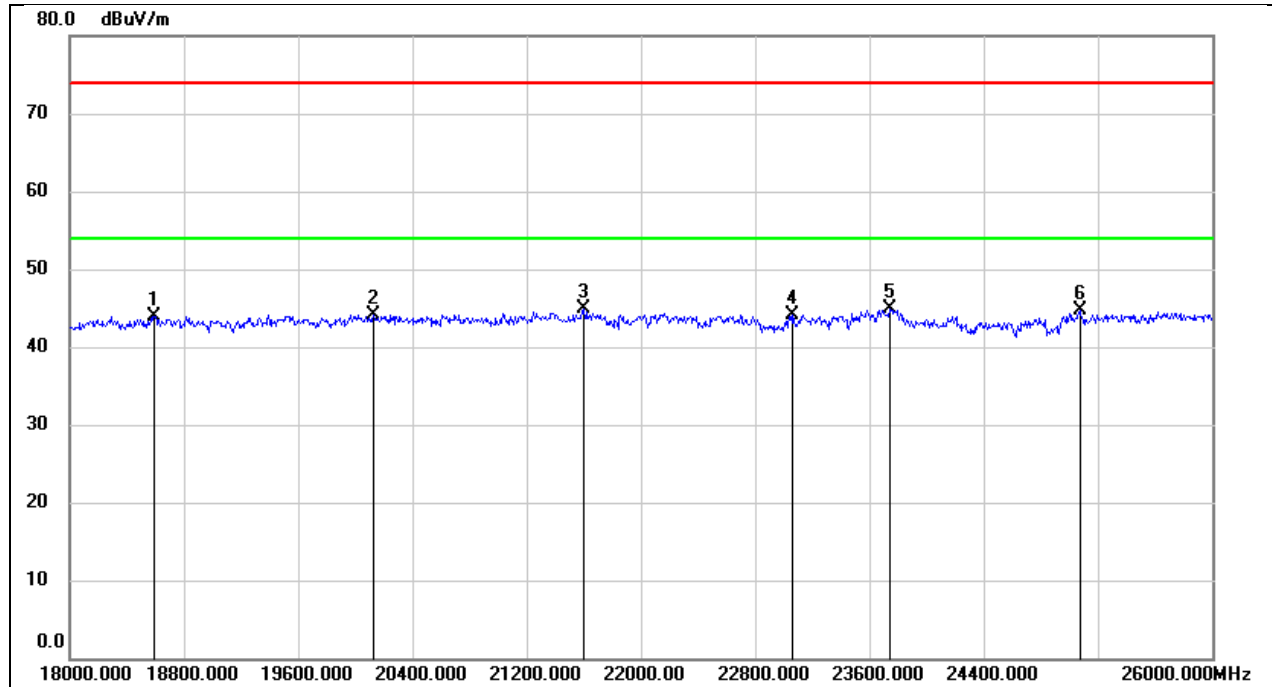


Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3300.15	54.67	50.11	-4.56	74.00	23.89	PK	Vertical	PASS
2	4958.48	50.30	47.78	-2.52	74.00	26.22	PK	Vertical	PASS
3	8327.66	45.84	49.22	3.38	74.00	24.78	PK	Vertical	PASS
4	11584.29	44.82	50.58	5.76	74.00	23.42	PK	Vertical	PASS
5	14120.56	43.14	51.65	8.51	74.00	22.35	PK	Vertical	PASS
6	16476.74	42.40	52.67	10.27	74.00	21.33	PK	Vertical	PASS

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

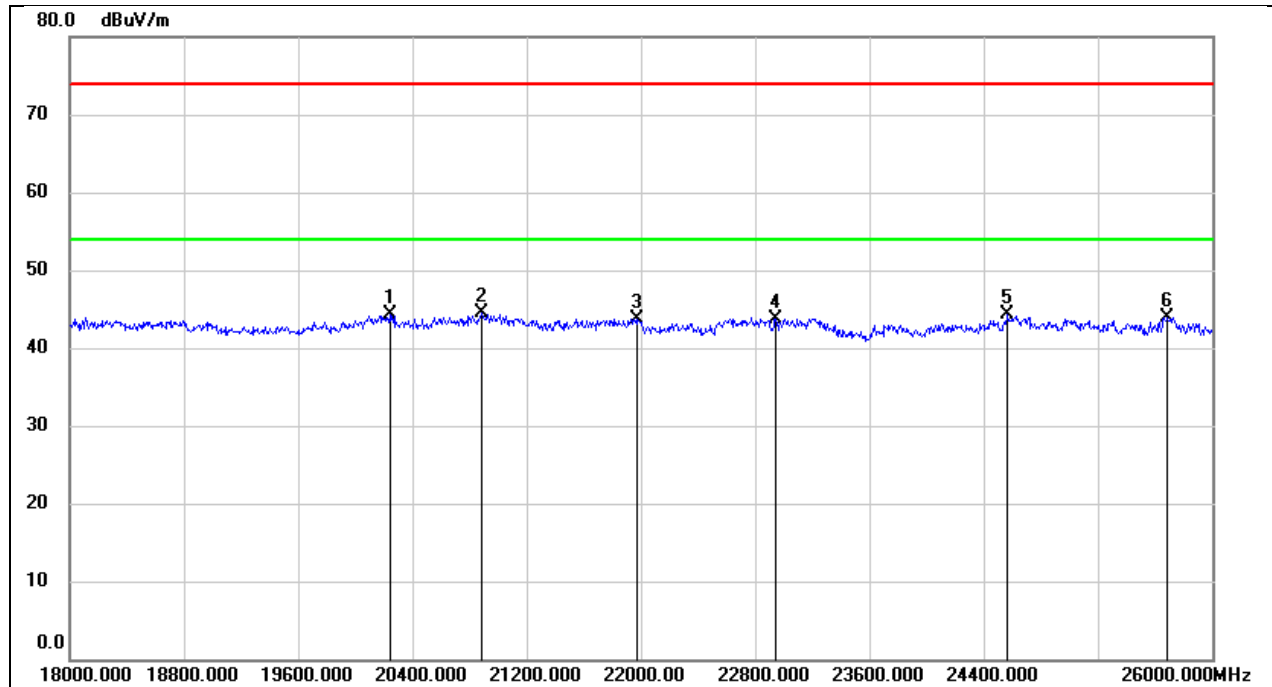
8.13. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18592.000	49.25	-5.31	43.94	74.00	-30.06	peak
2	20128.000	49.62	-5.53	44.09	74.00	-29.91	peak
3	21600.000	49.52	-4.54	44.98	74.00	-29.02	peak
4	23064.000	47.49	-3.42	44.07	74.00	-29.93	peak
5	23744.000	48.15	-3.20	44.95	74.00	-29.05	peak
6	25072.000	46.67	-1.97	44.70	74.00	-29.30	peak

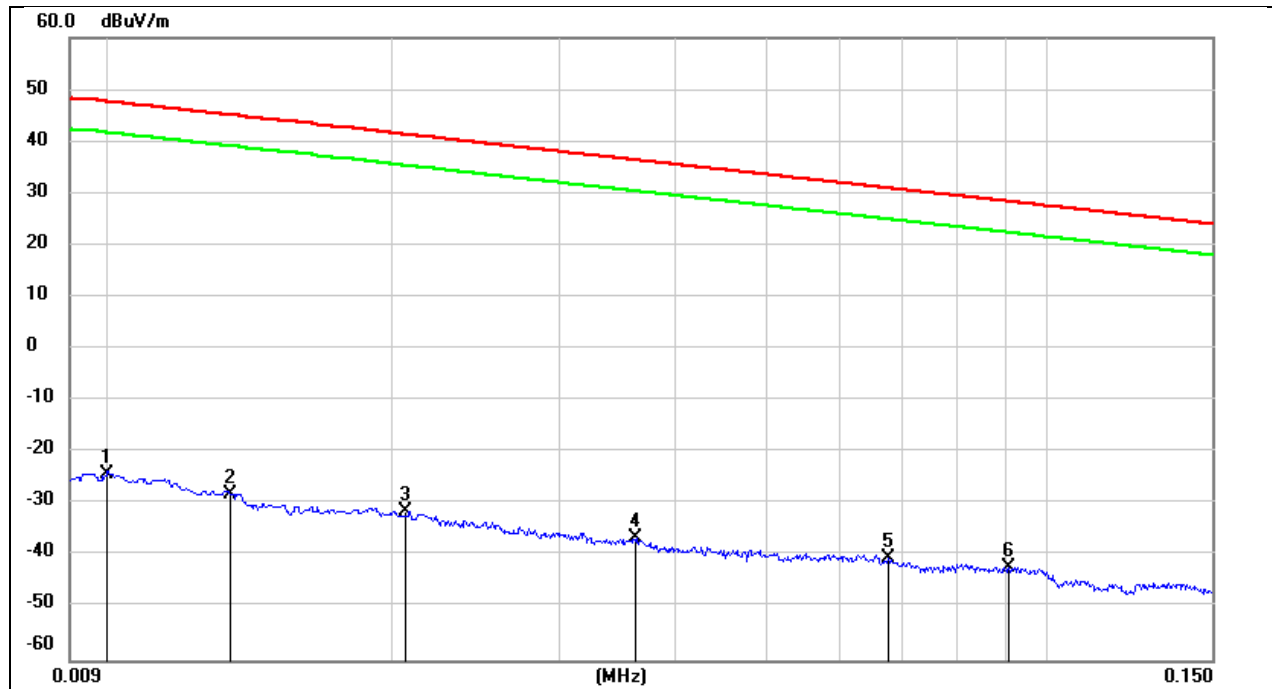
Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20240.000	49.82	-5.61	44.21	74.00	-29.79	peak
2	20880.000	49.57	-5.00	44.57	74.00	-29.43	peak
3	21968.000	48.12	-4.46	43.66	74.00	-30.34	peak
4	22944.000	47.18	-3.49	43.69	74.00	-30.31	peak
5	24568.000	46.60	-2.33	44.27	74.00	-29.73	peak
6	25688.000	44.81	-0.90	43.91	74.00	-30.09	peak

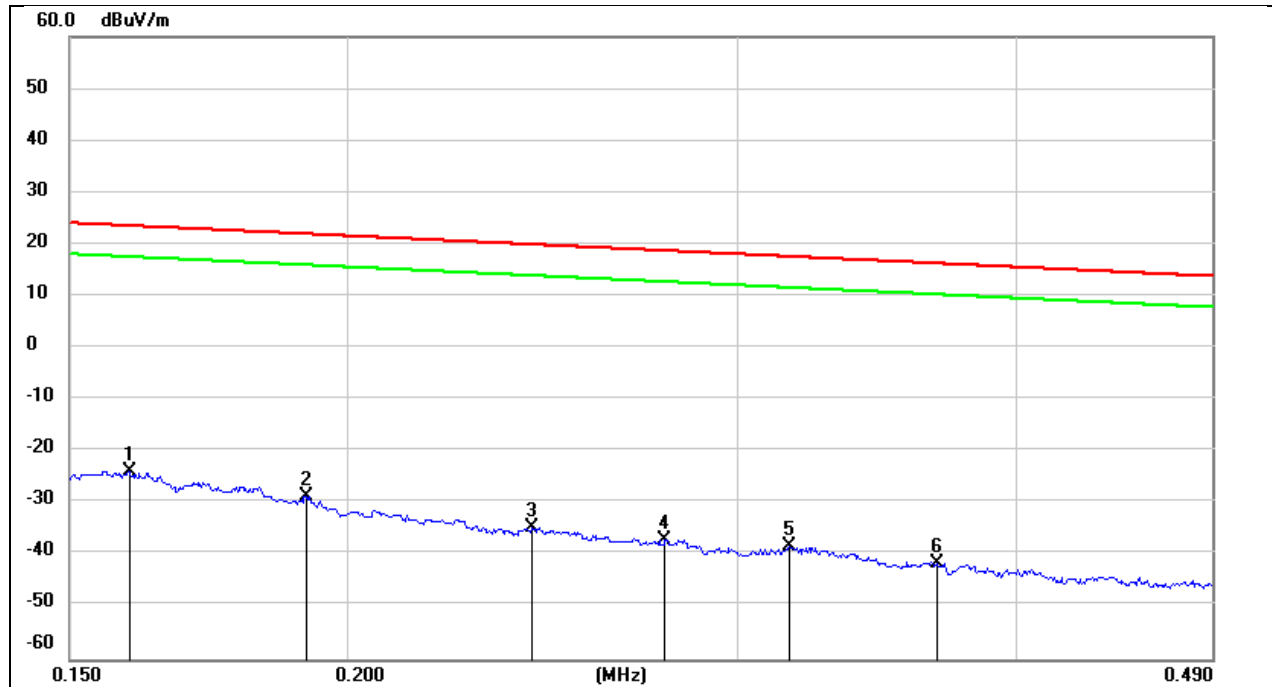
8.14. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



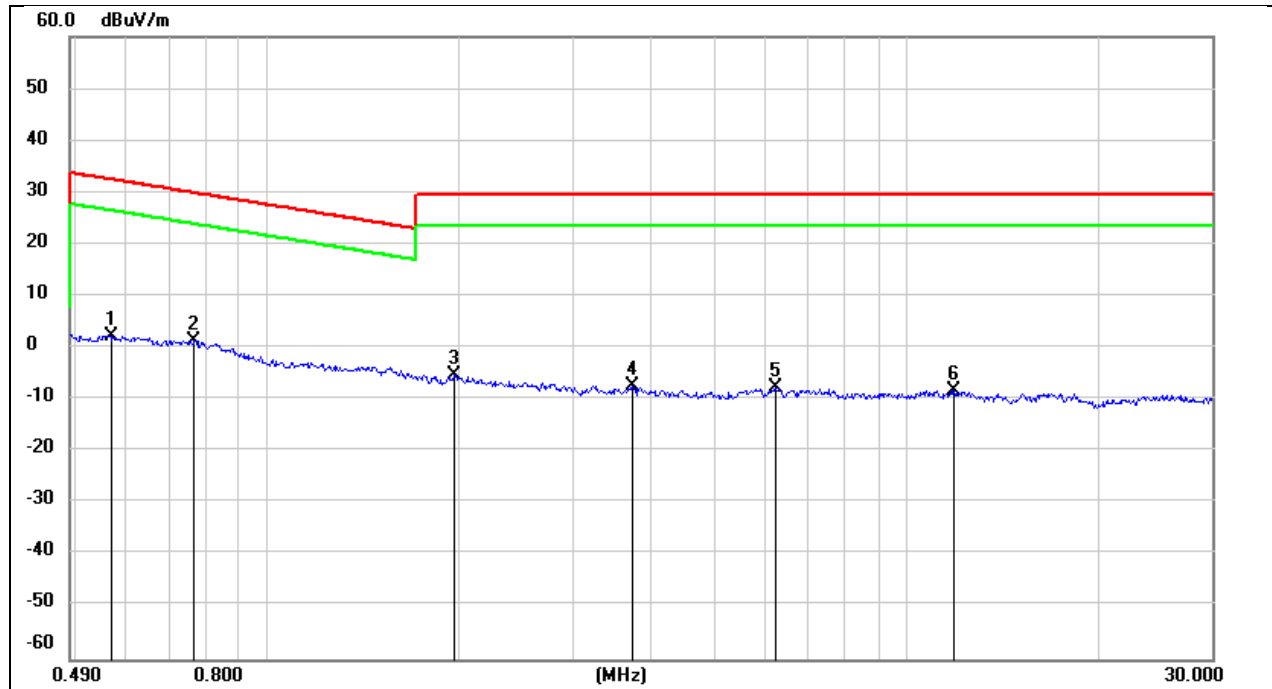
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.0100	77.22	-101.40	-24.18	47.60	-75.68	-3.90	-71.78	peak
2	0.0134	73.46	-101.39	-27.93	45.06	-79.43	-6.44	-72.99	peak
3	0.0206	69.92	-101.35	-31.43	41.32	-82.93	-10.18	-72.75	peak
4	0.0362	64.88	-101.42	-36.54	36.43	-88.04	-15.07	-72.97	peak
5	0.0675	61.14	-101.56	-40.42	31.02	-91.92	-20.48	-71.44	peak
6	0.0911	59.61	-101.72	-42.11	28.41	-93.61	-23.09	-70.52	peak

Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1595	77.86	-101.65	-23.79	23.55	-75.29	-27.95	-47.34	peak
2	0.1917	73.04	-101.70	-28.66	21.95	-80.16	-29.55	-50.61	peak
3	0.2421	67.04	-101.78	-34.74	19.92	-86.24	-31.58	-54.66	peak
4	0.2782	64.79	-101.83	-37.04	18.71	-88.54	-32.79	-55.75	peak
5	0.3163	63.70	-101.87	-38.17	17.60	-89.67	-33.90	-55.77	peak
6	0.3684	60.48	-101.93	-41.45	16.27	-92.95	-35.23	-57.72	peak

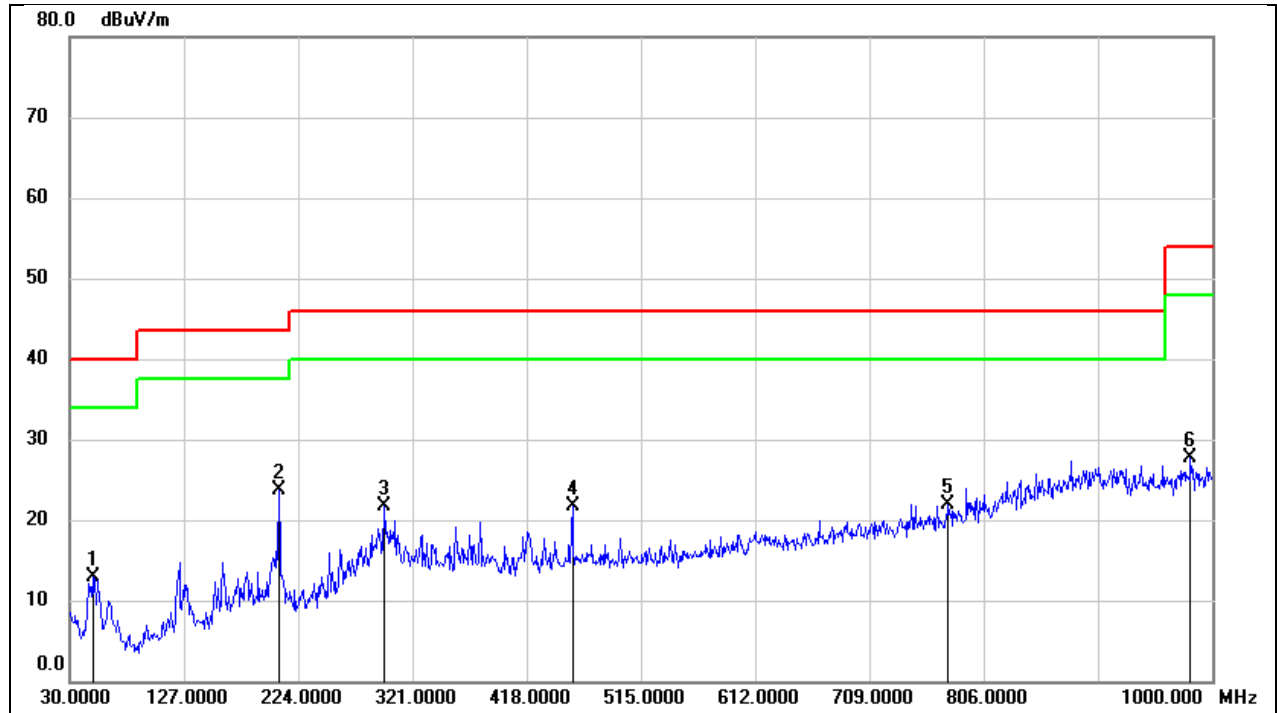
Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.5682	64.37	-62.07	2.30	32.51	-49.20	-18.99	-30.21	peak
2	0.7671	63.41	-62.12	1.29	29.90	-50.21	-21.60	-28.61	peak
3	1.9516	56.61	-61.84	-5.23	29.54	-56.73	-21.96	-34.77	peak
4	3.7100	54.20	-61.41	-7.21	29.54	-58.71	-21.96	-36.75	peak
5	6.2445	53.63	-61.32	-7.69	29.54	-59.19	-21.96	-37.23	peak
6	11.8513	52.56	-60.88	-8.32	29.54	-59.82	-21.96	-37.86	peak

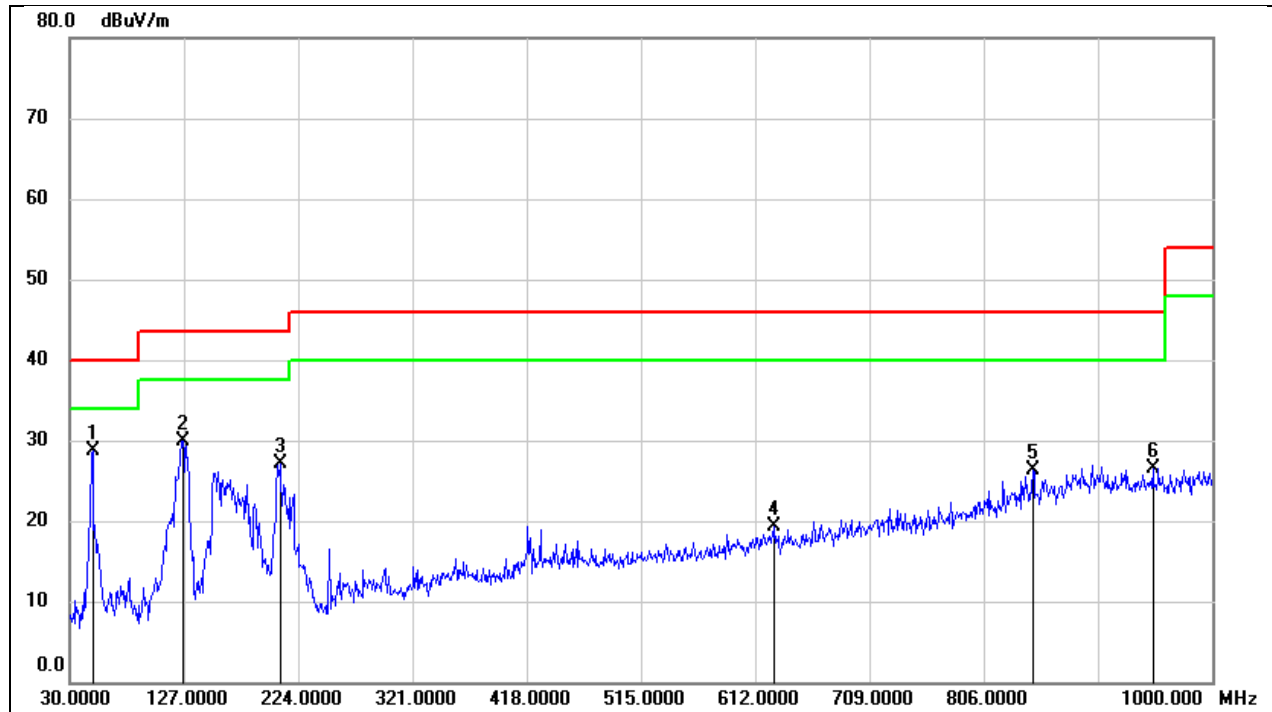
8.15. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.4000	27.94	-15.07	12.87	40.00	-27.13	QP
2	207.5100	36.39	-12.60	23.79	43.50	-19.71	QP
3	296.7500	33.39	-11.71	21.68	46.00	-24.32	QP
4	456.8000	29.86	-8.08	21.78	46.00	-24.22	QP
5	775.9300	25.03	-3.07	21.96	46.00	-24.04	QP
6	981.5700	28.03	-0.38	27.65	54.00	-26.35	QP

Test Mode:	BLE 1M	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.4000	43.75	-15.07	28.68	40.00	-11.32	QP
2	126.0300	44.46	-14.52	29.94	43.50	-13.56	QP
3	208.4800	39.77	-12.64	27.13	43.50	-16.37	QP
4	628.4900	24.98	-5.65	19.33	46.00	-26.67	QP
5	847.7100	27.58	-1.35	26.23	46.00	-19.77	QP
6	949.5600	27.31	-0.83	26.48	46.00	-19.52	QP

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISSED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

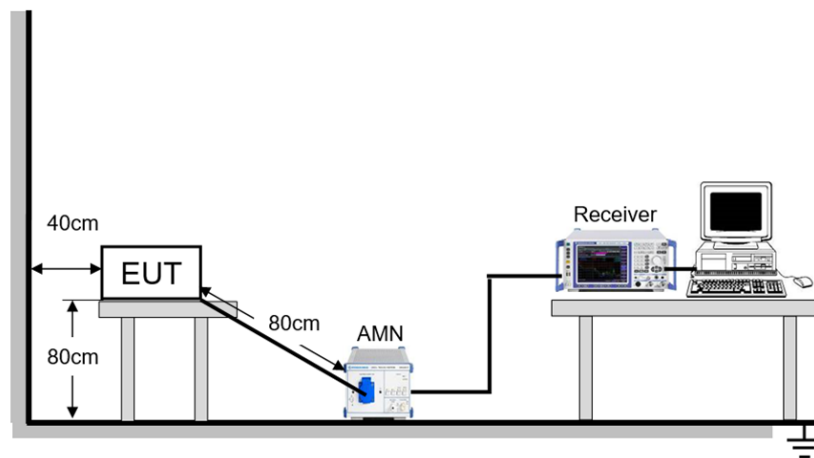
*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

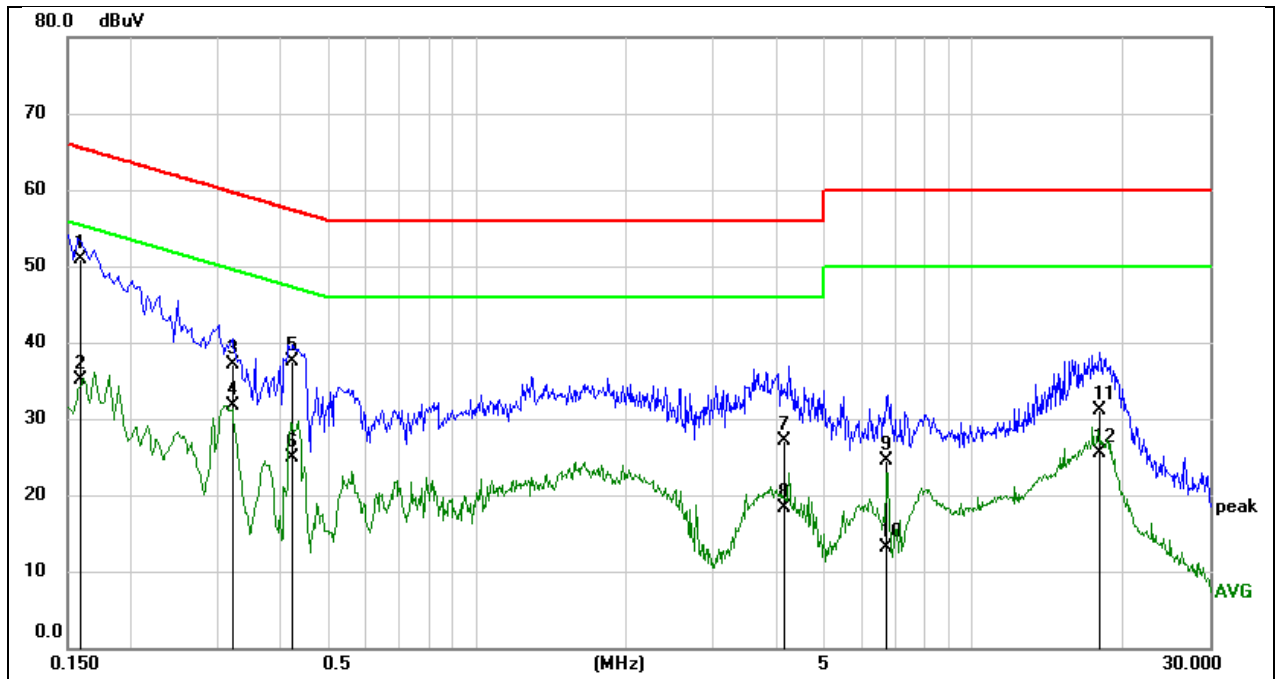
Temperature	24.2°C	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	July 25, 2025	Test By	Deacon Tan
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TEST RESULTS

Test Mode:	BLE 1M	Frequency(MHz):	2402
Line:	Line		



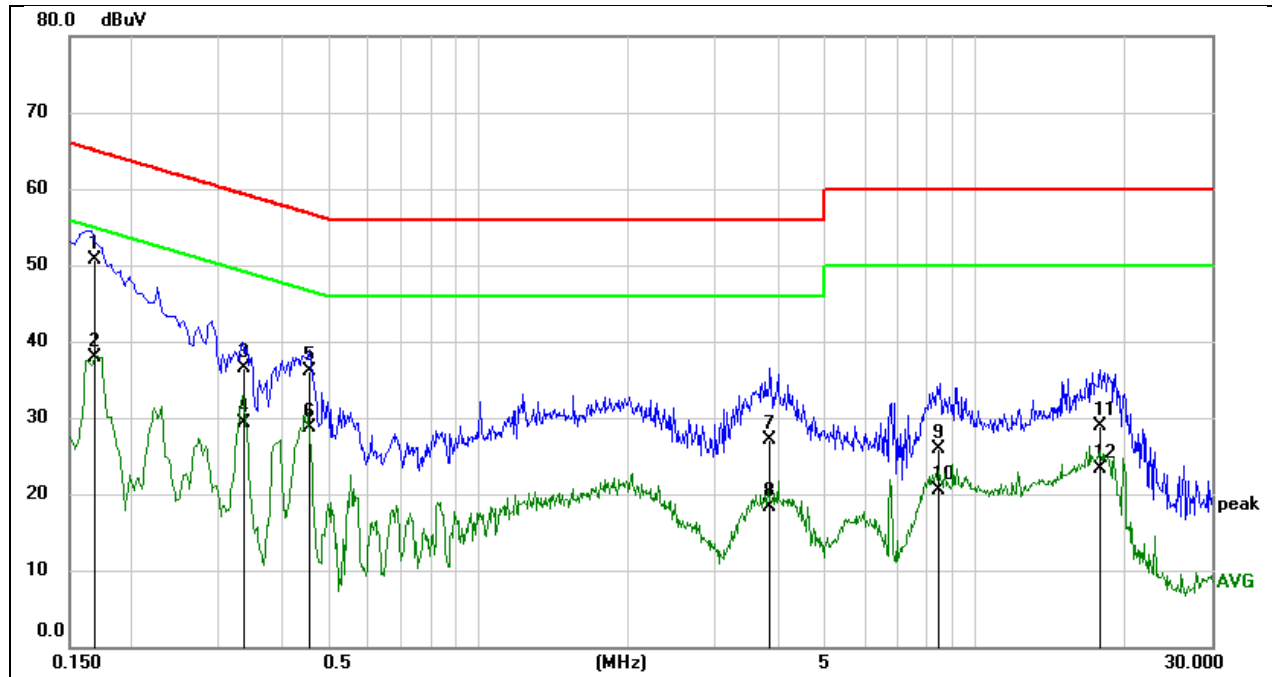
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1595	41.23	9.72	50.95	65.49	-14.54	QP
2	0.1595	25.32	9.72	35.04	55.49	-20.45	AVG
3	0.3246	27.47	9.64	37.11	59.59	-22.48	QP
4	0.3246	22.00	9.64	31.64	49.59	-17.95	AVG
5	0.4263	27.84	9.64	37.48	57.32	-19.84	QP
6	0.4263	15.21	9.64	24.85	47.32	-22.47	AVG
7	4.1794	17.46	9.73	27.19	56.00	-28.81	QP
8	4.1794	8.55	9.73	18.28	46.00	-27.72	AVG
9	6.6869	14.86	9.73	24.59	60.00	-35.41	QP
10	6.6869	3.38	9.73	13.11	50.00	-36.89	AVG
11	18.0975	21.42	9.74	31.16	60.00	-28.84	QP
12	18.0975	15.86	9.74	25.60	50.00	-24.40	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the models and modes have been tested, only the worst data was recorded in the report.

Test Mode:	BLE 1M	Frequency(MHz):	2402
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1699	41.15	9.64	50.79	64.97	-14.18	QP
2	0.1699	28.32	9.64	37.96	54.97	-17.01	AVG
3	0.3366	26.93	9.64	36.57	59.29	-22.72	QP
4	0.3366	19.67	9.64	29.31	49.29	-19.98	AVG
5	0.4583	26.47	9.64	36.11	56.72	-20.61	QP
6	0.4583	18.97	9.64	28.61	46.72	-18.11	AVG
7	3.8836	17.52	9.63	27.15	56.00	-28.85	QP
8	3.8836	8.66	9.63	18.29	46.00	-27.71	AVG
9	8.4560	16.26	9.73	25.99	60.00	-34.01	QP
10	8.4560	10.69	9.73	20.42	50.00	-29.58	AVG
11	17.9255	19.08	9.74	28.82	60.00	-31.18	QP
12	17.9255	13.60	9.74	23.34	50.00	-26.66	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the models and modes have been tested, only the worst data was recorded in the report.

11. TEST DATA

11.1. APPENDIX A1: DUTY CYCLE

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
BLE 1M	2.09	2.151	0.9716	97.16	0.12	0.48	1
BLE 2M	1.055	1.115	0.9462	94.62	0.24	0.95	1

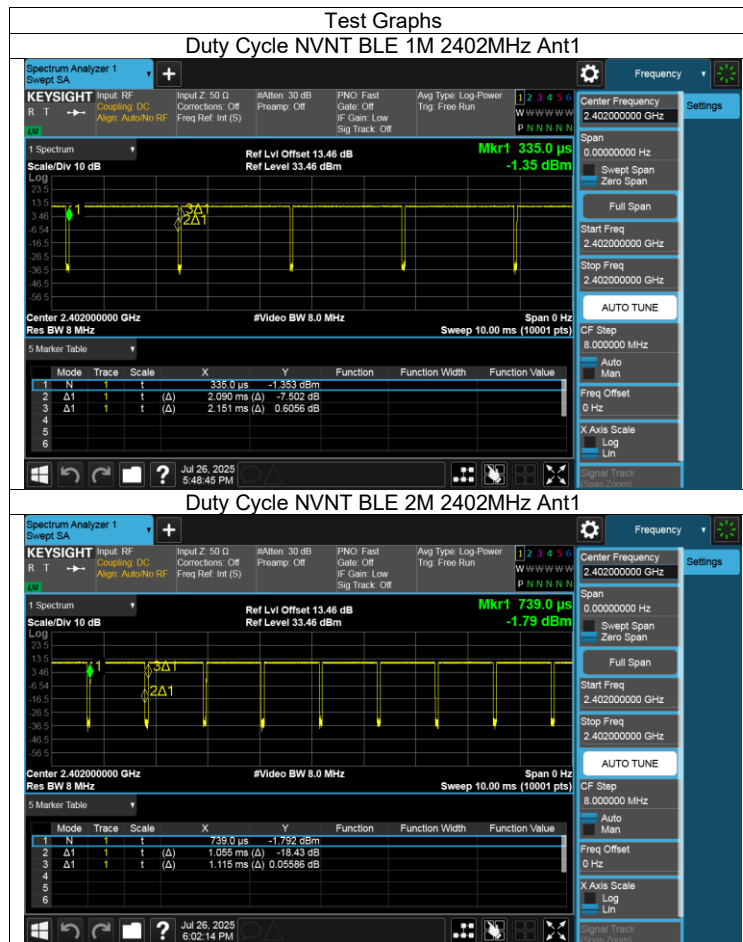
Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.2. APPENDIX B1: MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	11.06	≤29.31	Pass
NVNT	BLE 1M	2440	Ant1	11.1	≤29.31	Pass
NVNT	BLE 1M	2480	Ant1	10.51	≤29.31	Pass
NVNT	BLE 2M	2402	Ant1	10.87	≤29.31	Pass
NVNT	BLE 2M	2440	Ant1	11.1	≤29.31	Pass
NVNT	BLE 2M	2480	Ant1	10.58	≤29.31	Pass

11.3. APPENDIX C1: -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.677	≥0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.66	≥0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.671	≥0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.127	≥0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.118	≥0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.065	≥0.5	Pass





11.4. APPENDIX D1: OCCUPIED CHANNEL BANDWIDTH

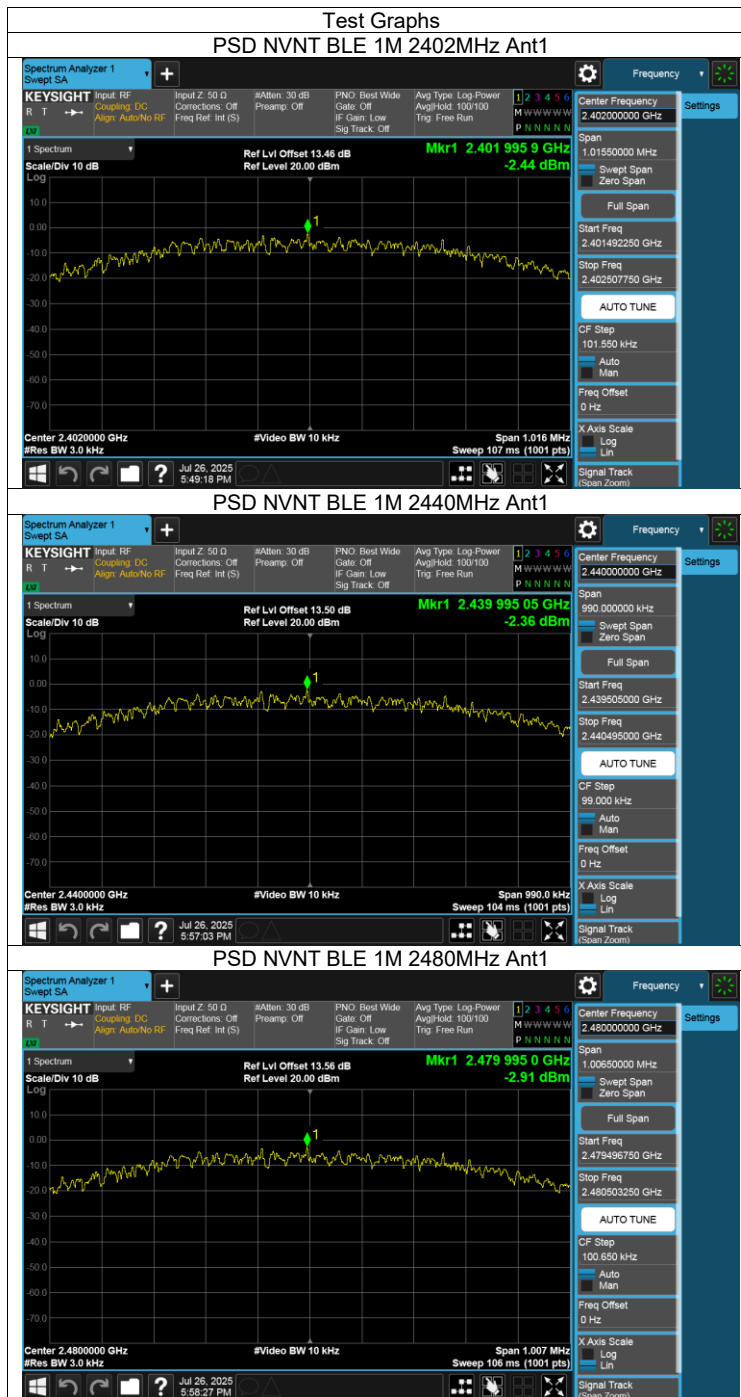
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.031
NVNT	BLE 1M	2440	Ant1	1.044
NVNT	BLE 1M	2480	Ant1	1.04
NVNT	BLE 2M	2402	Ant1	2.055
NVNT	BLE 2M	2440	Ant1	2.066
NVNT	BLE 2M	2480	Ant1	2.085

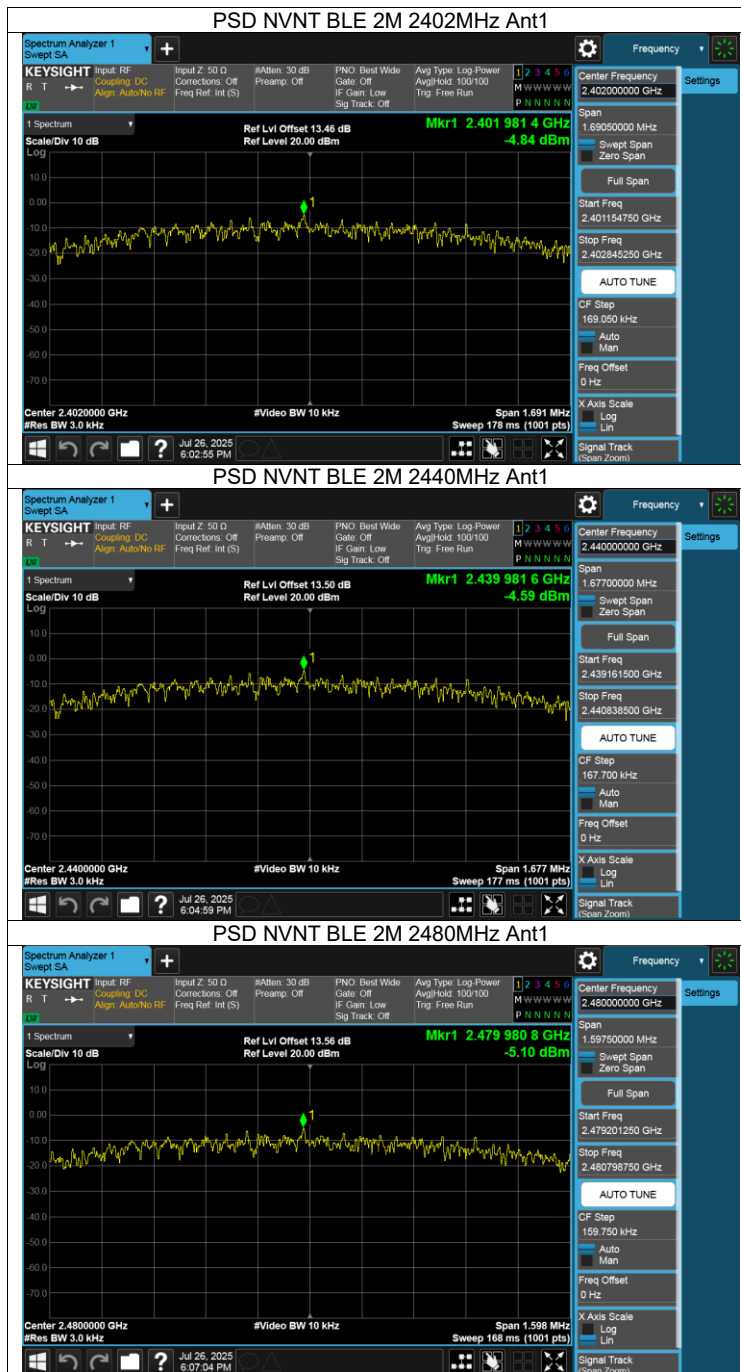




11.5. APPENDIX E1: MAXIMUM POWER SPECTRAL DENSITY LEVEL

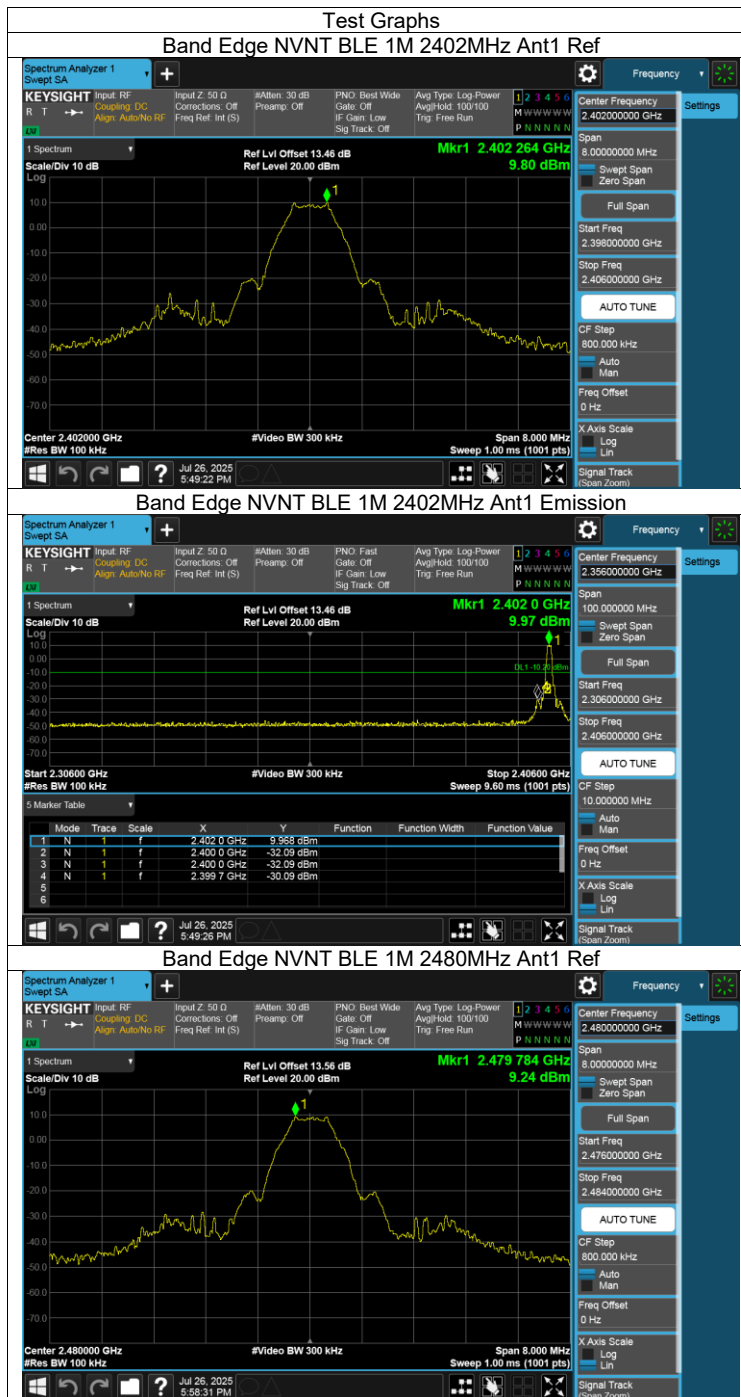
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.44	≤ 7.31	Pass
NVNT	BLE 1M	2440	Ant1	-2.36	≤ 7.31	Pass
NVNT	BLE 1M	2480	Ant1	-2.92	≤ 7.31	Pass
NVNT	BLE 2M	2402	Ant1	-4.84	≤ 7.31	Pass
NVNT	BLE 2M	2440	Ant1	-4.59	≤ 7.31	Pass
NVNT	BLE 2M	2480	Ant1	-5.1	≤ 7.31	Pass

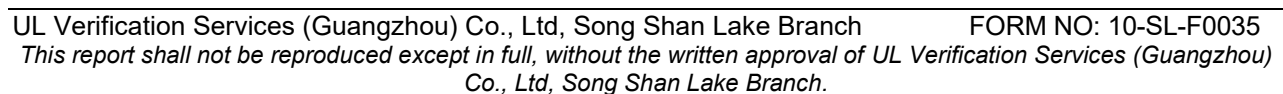




11.6. APPENDIX F1: BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.88	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.35	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.11	-20	Pass
NVNT	BLE 2M	2480	Ant1	-54	-20	Pass







11.7. APPENDIX G1: CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-58.26	-20	Pass
NVNT	BLE 1M	2440	Ant1	-57.79	-20	Pass
NVNT	BLE 1M	2480	Ant1	-58.17	-20	Pass
NVNT	BLE 2M	2402	Ant1	-58.88	-20	Pass
NVNT	BLE 2M	2440	Ant1	-58.84	-20	Pass
NVNT	BLE 2M	2480	Ant1	-57.26	-20	Pass

