

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.700	2402.340	0.5	PASS
		2440	0.644	2439.696	2440.340	0.5	PASS
		2480	0.628	2479.704	2480.332	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0540	2401.5010	2402.5550	---	---
		2440	1.0593	2439.5009	2440.5602	---	---
		2480	1.0556	2479.5011	2480.5567	---	---

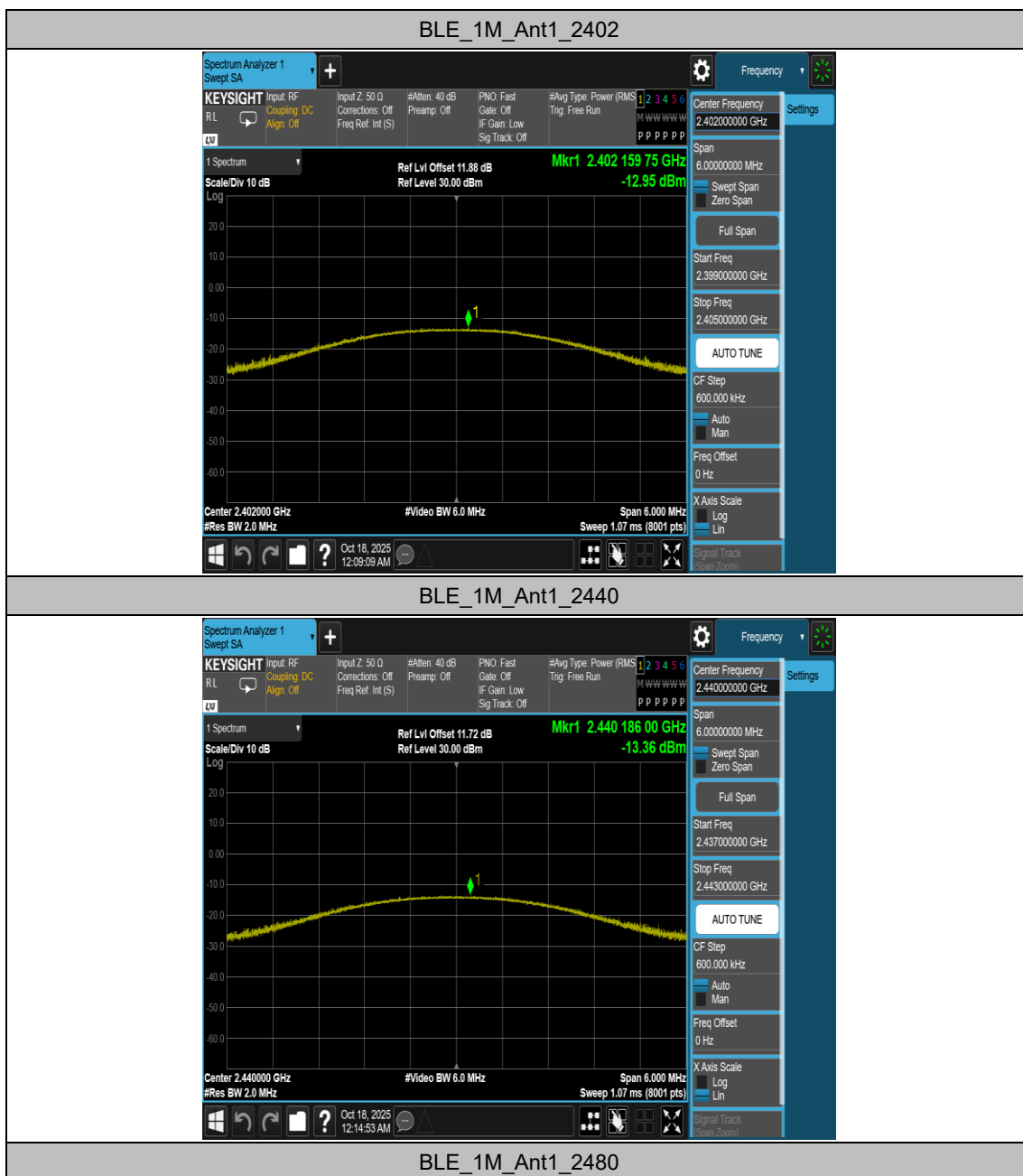
Test Graphs

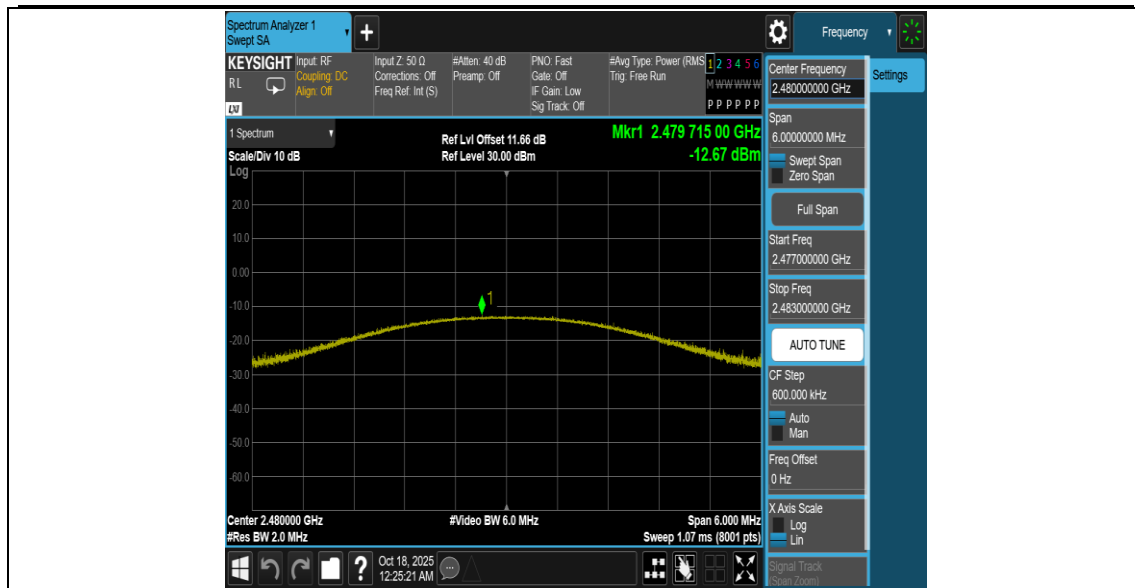




TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-12.95	≤30	PASS
		2440	-13.36	≤30	PASS
		2480	-12.67	≤30	PASS

Test Graphs Peak





Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.48	≤8.00	PASS
		2440	-16.69	≤8.00	PASS
		2480	-15.79	≤8.00	PASS

Test Graphs





Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-15.45	-46.64	≤ -35.45	PASS
		High	2480	-14.73	-47.14	≤ -34.73	PASS

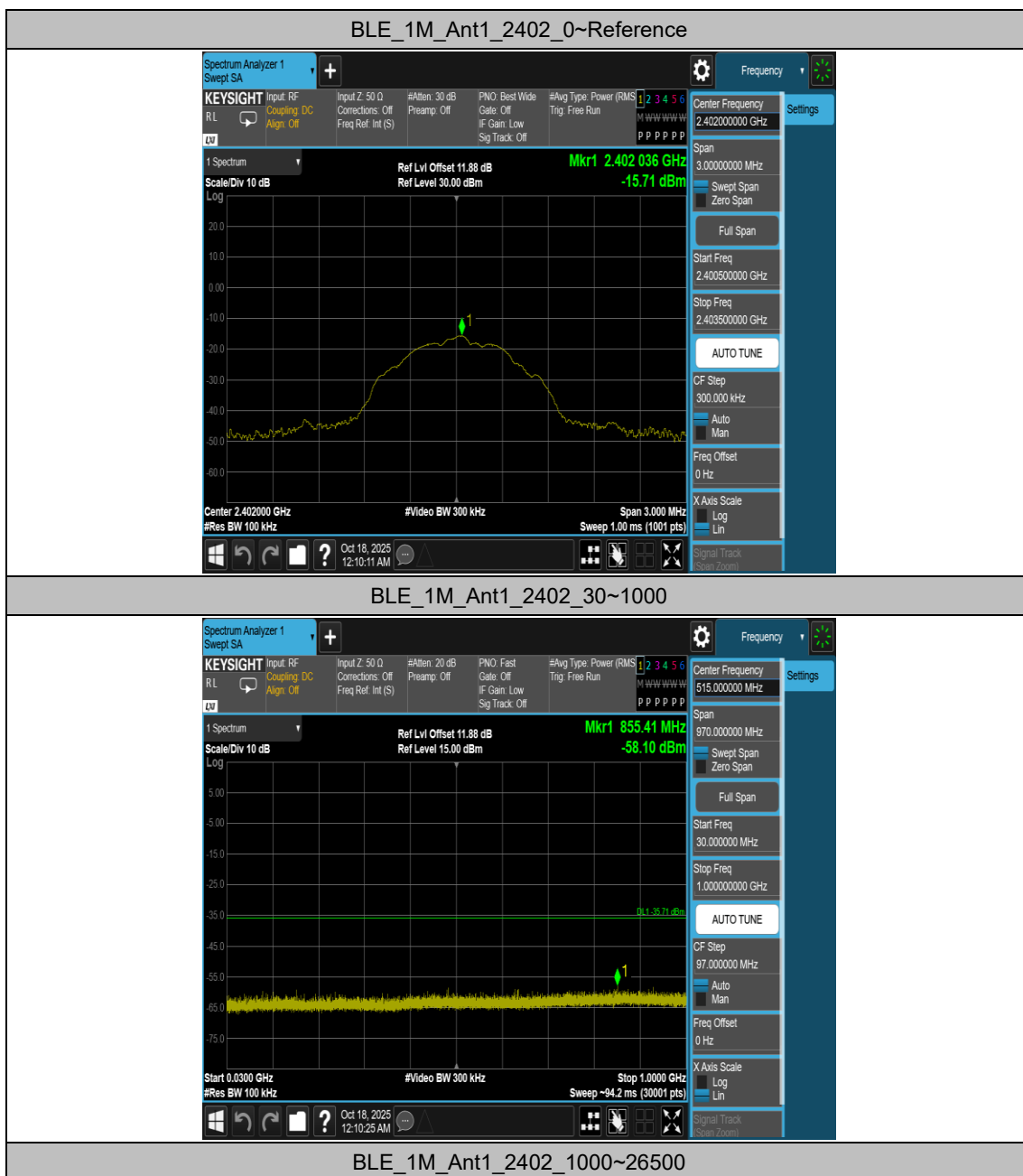


Appendix F: Conducted Spurious Emission

Test Result

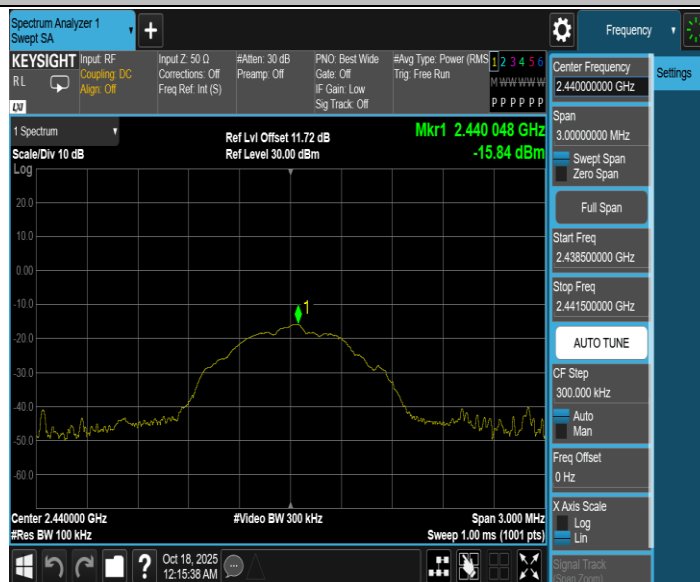
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-15.71	-15.71	---	PASS
			30~1000	-15.71	-58.1	≤-35.71	PASS
			1000~26500	-15.71	-50.73	≤-35.71	PASS
		2440	Reference	-15.84	-15.84	---	PASS
			30~1000	-15.84	-58.4	≤-35.84	PASS
			1000~26500	-15.84	-50.69	≤-35.84	PASS
		2480	Reference	-14.96	-14.96	---	PASS
			30~1000	-14.96	-58.89	≤-34.96	PASS
			1000~26500	-14.96	-46.02	≤-34.96	PASS

Test Graphs

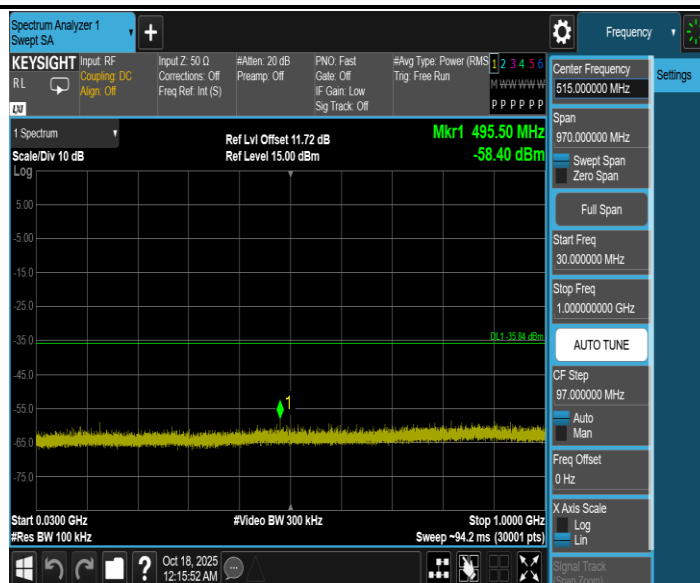




BLE_1M_Ant1_2440_0~Reference



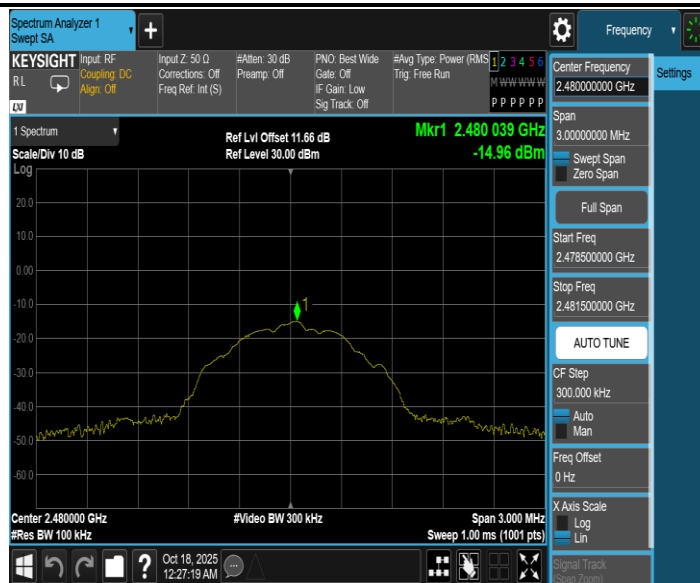
BLE_1M_Ant1_2440_30~1000



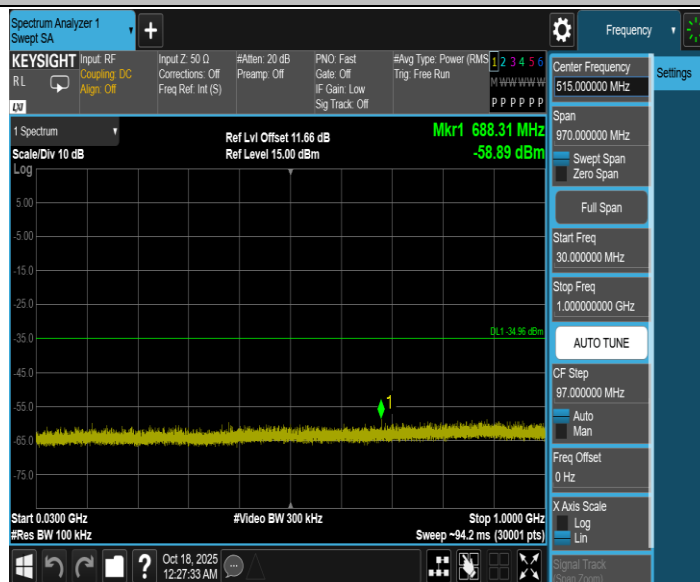
BLE_1M_Ant1_2440_1000~26500



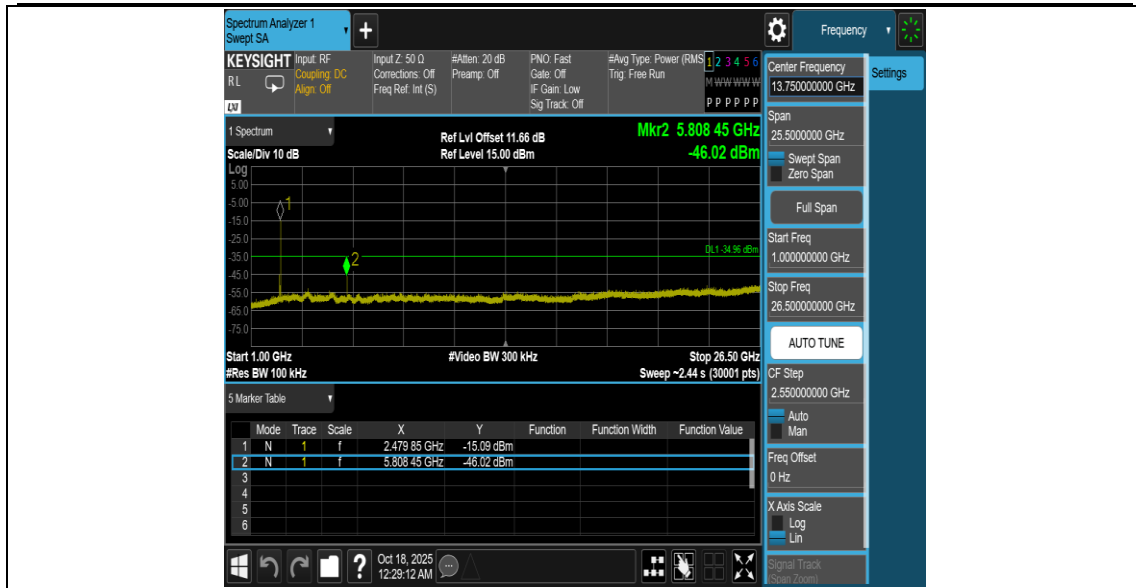
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



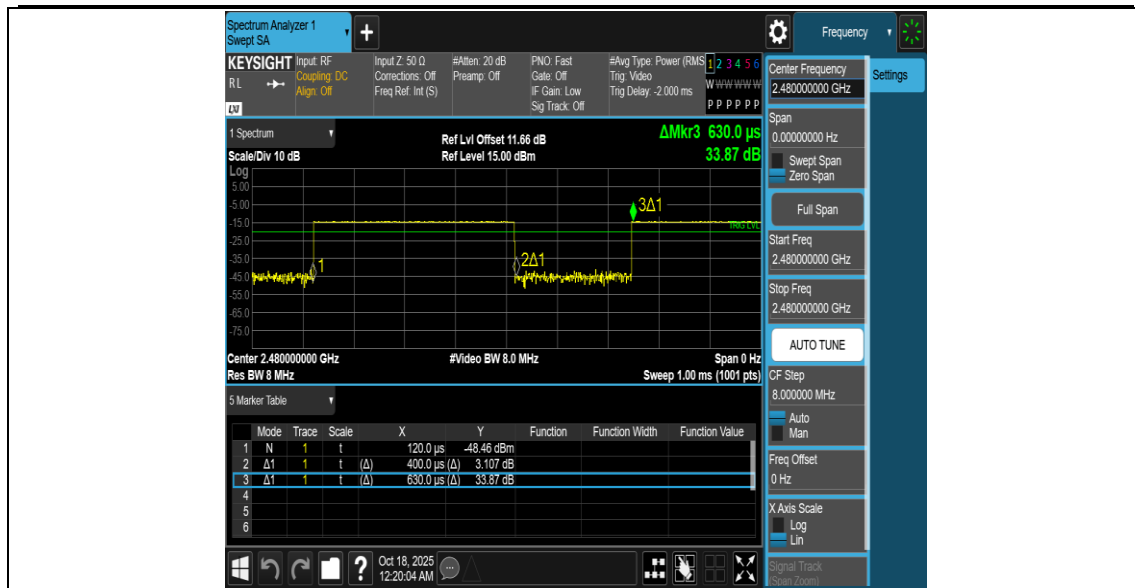
Appendix G: Duty Cycle

Test Result

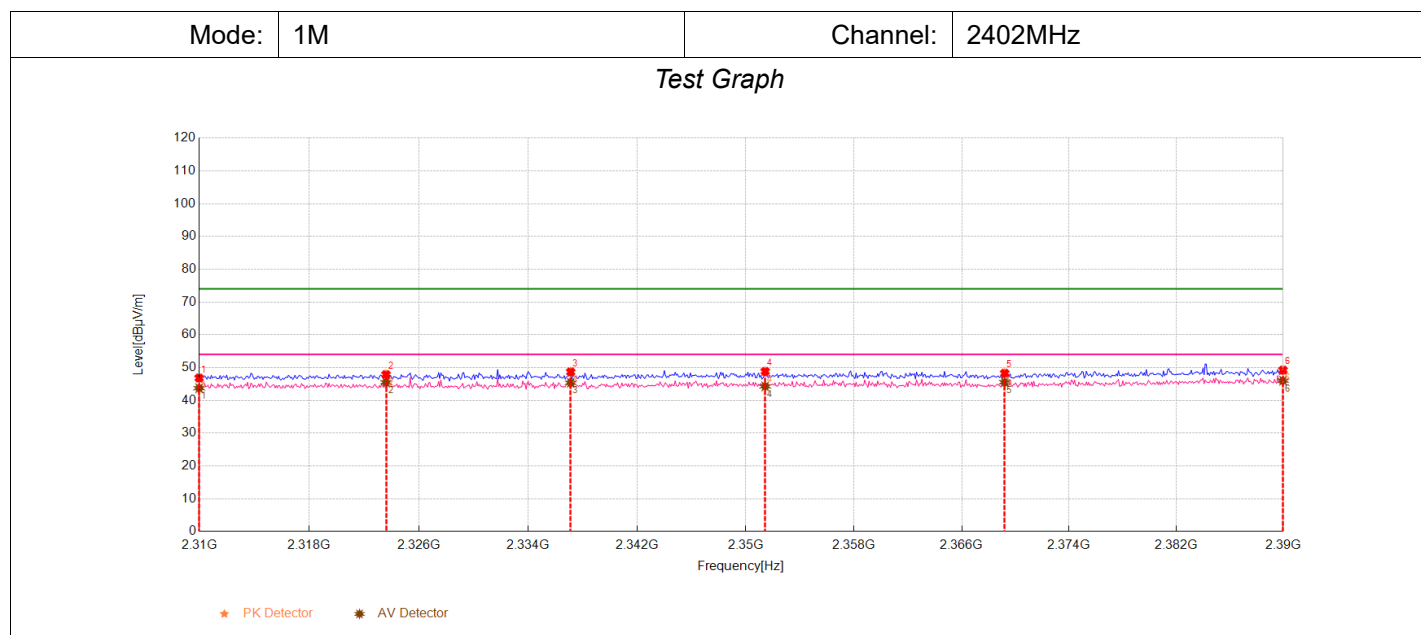
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.40	0.63	63.49
		2440	0.40	0.63	63.49
		2480	0.40	0.63	63.49

Test Graphs





Appendix H: Restricted Band

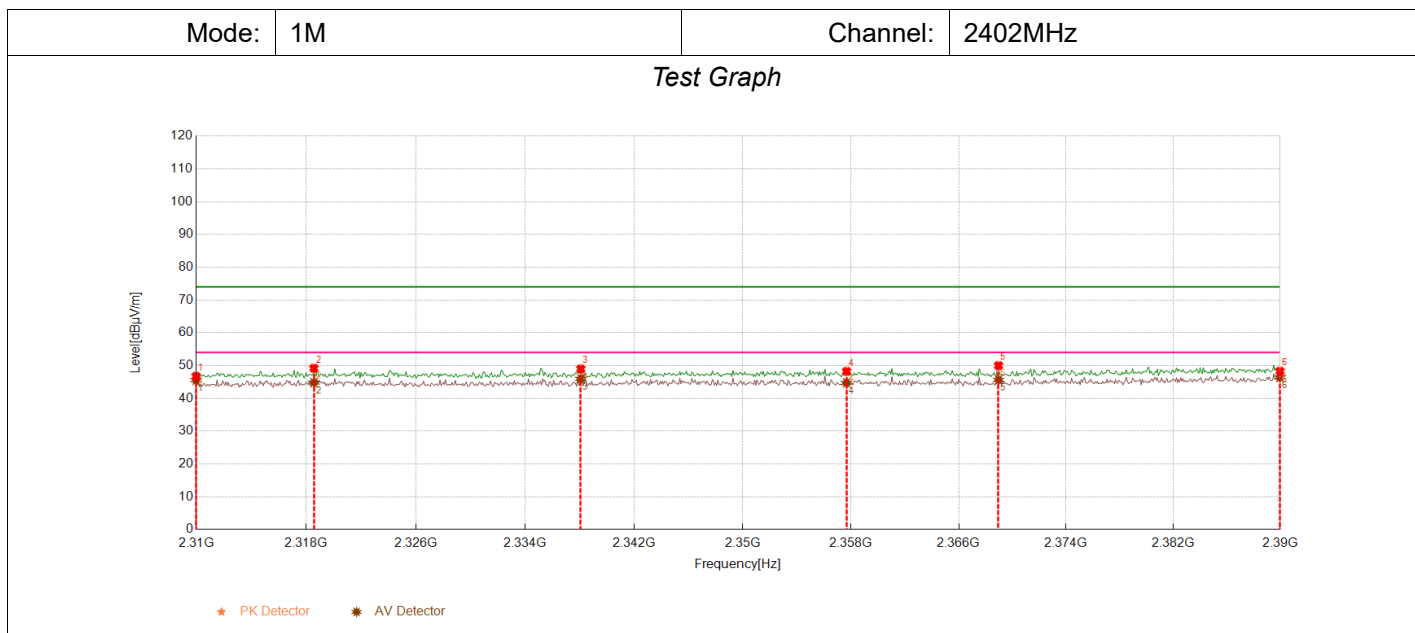


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2310.0000	39.86	46.82	6.96	74.00	27.18	150	64	PK	Horizontal	PASS
2	2323.6000	40.71	47.87	7.16	74.00	26.13	150	151	PK	Horizontal	PASS
3	2337.1200	41.60	48.69	7.09	74.00	25.31	150	78	PK	Horizontal	PASS
4	2351.4400	41.48	48.84	7.36	74.00	25.16	150	140	PK	Horizontal	PASS
5	2369.2000	40.75	48.28	7.53	74.00	25.72	150	126	PK	Horizontal	PASS
6	2390.0000	40.96	49.24	8.28	74.00	24.76	150	306	PK	Horizontal	PASS

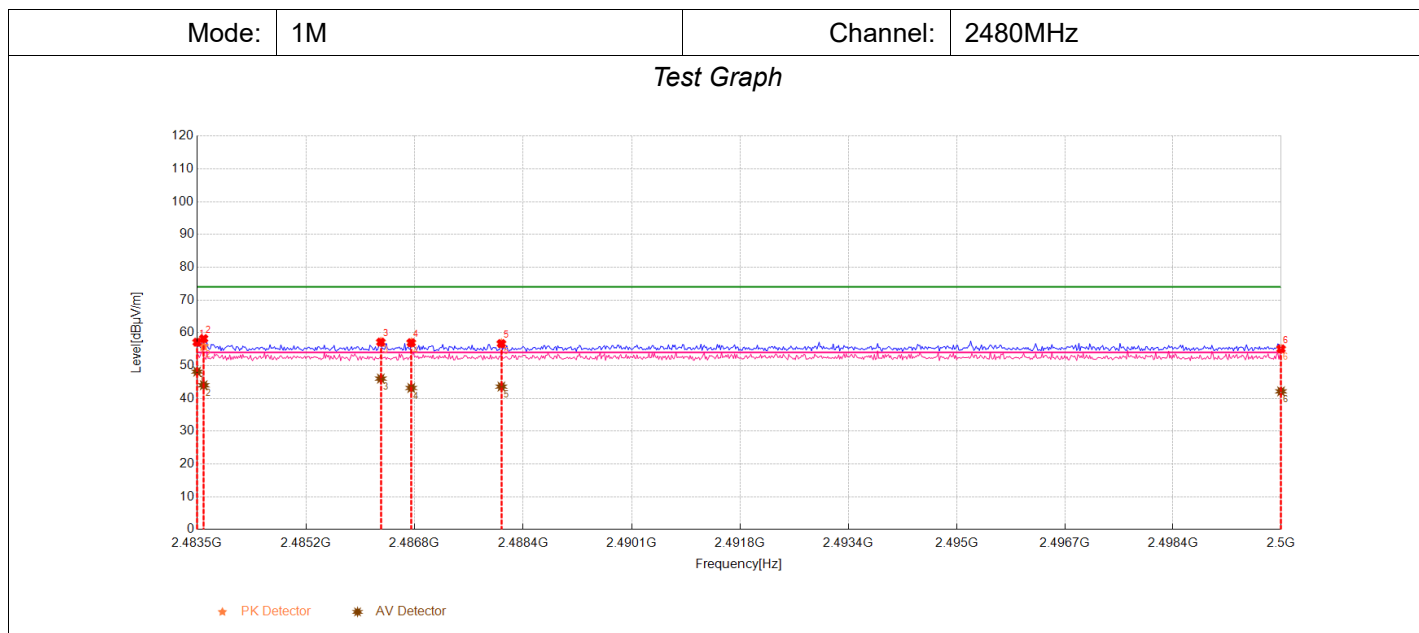
Note:(1)Level=Reading+Factor

(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	2310.0000	39.80	46.76	6.96	74.00	27.24	150	151	PK	Vertical	PASS
2	2318.5600	42.05	49.20	7.15	74.00	24.80	150	147	PK	Vertical	PASS
3	2338.0800	41.89	49.00	7.11	74.00	25.00	150	342	PK	Vertical	PASS
4	2357.6800	40.92	48.24	7.32	74.00	25.76	150	289	PK	Vertical	PASS
5	2368.9600	42.48	50.00	7.52	74.00	24.00	150	104	PK	Vertical	PASS
6	2390.0000	40.01	48.29	8.28	74.00	25.71	150	87	PK	Vertical	PASS

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



Final Data List														
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5000	7.53	49.6	57.13	74.00	16.87	40.62	48.15	54.00	5.85	150	29	Horizontal	PASS
2	2483.5990	7.53	56.964	55.88	74.00	18.12	36.455	43.99	54.00	10.01	150	316	Horizontal	PASS
3	2486.2885	7.57	49.6	57.17	74.00	16.83	38.45	46.02	54.00	7.98	150	84	Horizontal	PASS
4	2486.7505	7.60	49.38	56.98	74.00	17.02	35.56	43.16	54.00	10.84	150	47	Horizontal	PASS
5	2488.1200	7.55	49.16	56.71	74.00	17.29	36.03	43.58	54.00	10.42	150	355	Horizontal	PASS
6	2500.0000	7.60	47.49	55.09	74.00	18.91	34.53	42.13	54.00	11.87	150	193	Horizontal	PASS

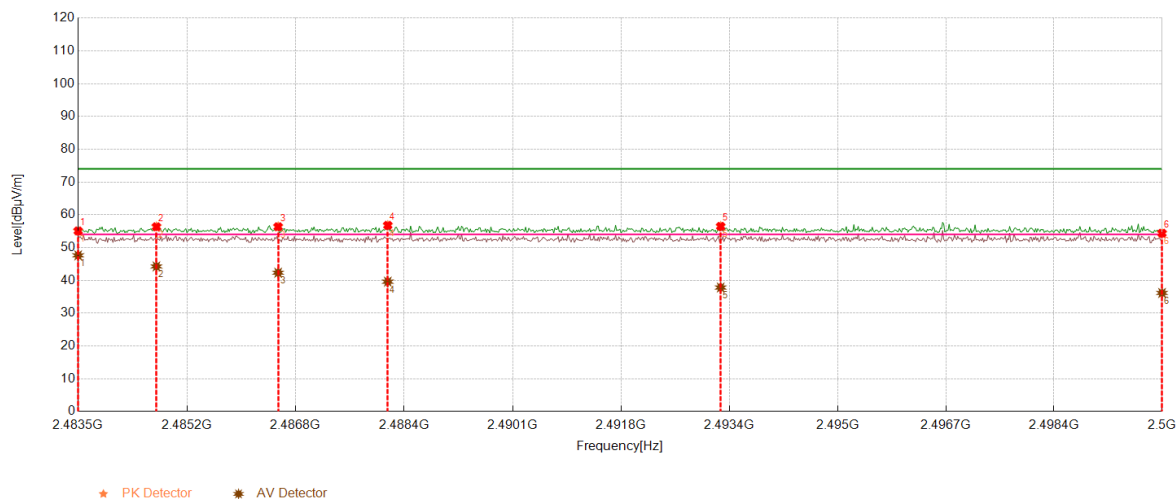
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: 1M

Channel: 2480MHz

Test Graph



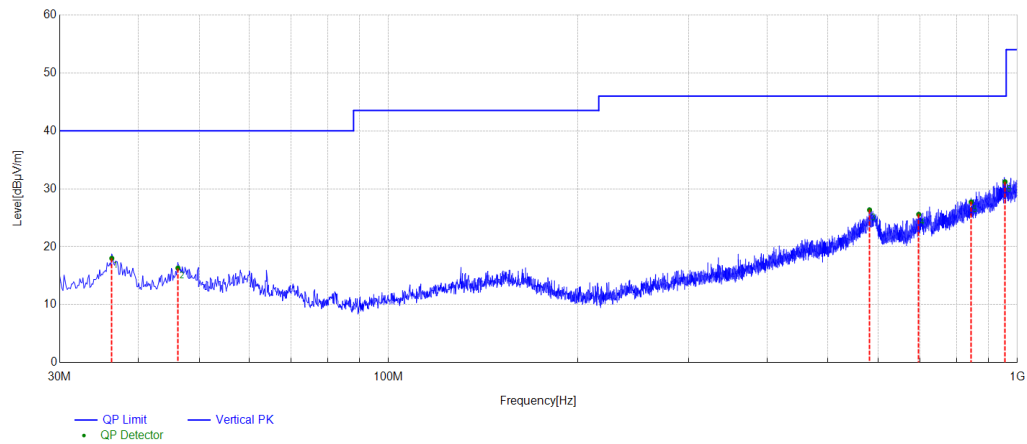
Final Data List

NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5000	7.53	47.54	55.07	74.00	18.93	40.09	47.62	54.00	6.38	150	76	Vertical	PASS
2	2484.6880	7.59	48.75	56.34	74.00	17.66	36.65	44.24	54.00	9.76	150	306	Vertical	PASS
3	2486.5360	7.59	48.76	56.35	74.00	17.65	34.74	42.33	54.00	11.67	150	263	Vertical	PASS
4	2488.2025	7.56	49.22	56.78	74.00	17.22	32.03	39.59	54.00	14.41	150	182	Vertical	PASS
5	2493.2680	7.66	48.82	56.48	74.00	17.52	30.15	37.81	54.00	16.19	150	52	Vertical	PASS
6	2500.0000	7.60	46.77	54.37	74.00	19.63	28.55	36.15	54.00	17.85	150	214	Vertical	PASS

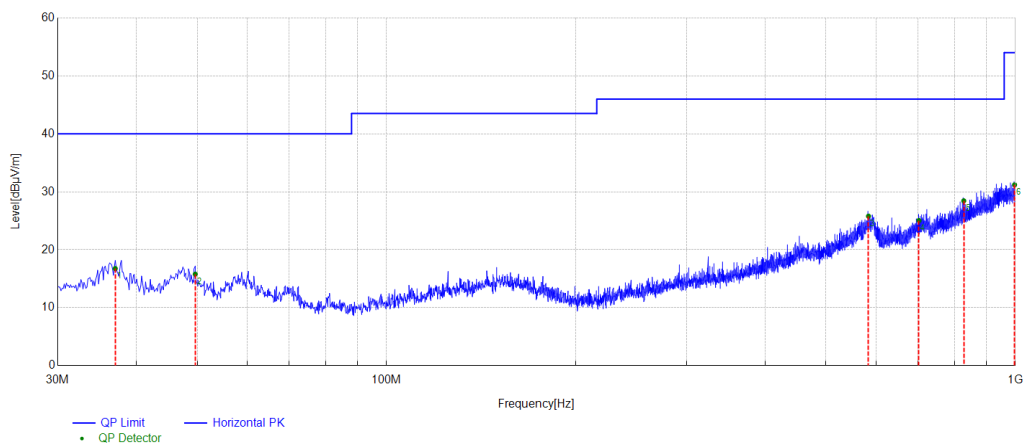
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Appendix I: Spurious emissions



Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	36.3050	-14.36	18.01	40.00	21.99	200	312	Vertical	PASS
2	46.2475	-14.21	16.32	40.00	23.68	200	52	Vertical	PASS
3	581.9300	-7.27	26.35	46.00	19.65	200	145	Vertical	PASS
4	696.7538	-5.12	25.59	46.00	20.41	100	264	Vertical	PASS
5	844.3150	-2.55	27.73	46.00	18.27	200	305	Vertical	PASS
6	955.6225	0.58	31.21	46.00	14.79	100	260	Vertical	PASS



Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	37.0325	-14.29	16.76	40.00	23.24	100	10	Horizontal	PASS
2	49.6425	-14.41	15.80	40.00	24.20	100	360	Horizontal	PASS
3	583.9912	-7.18	25.80	46.00	20.20	100	115	Horizontal	PASS
4	702.4525	-4.99	25.05	46.00	20.95	100	232	Horizontal	PASS
5	827.7038	-2.51	28.44	46.00	17.56	200	277	Horizontal	PASS
6	997.0900	0.46	31.21	54.00	22.79	200	301	Horizontal	PASS

Mode:
1M-2402MHz

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	1328.4000	39.66	42.09	2.43	74.00	31.91	150	354	PK	Horizontal	PASS
2	1902.4000	38.92	45.13	6.21	74.00	28.87	150	91	PK	Horizontal	PASS
3	4487.2500	55.78	41.30	-14.48	74.00	32.70	150	251	PK	Horizontal	PASS
4	5641.5000	56.04	43.50	-12.54	74.00	30.50	150	0	PK	Horizontal	PASS
5	7207.5000	55.77	45.39	-10.38	74.00	28.61	150	11	PK	Horizontal	PASS
6	9355.5000	53.13	45.92	-7.21	74.00	28.08	150	11	PK	Horizontal	PASS

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	1373.6000	40.13	42.63	2.50	74.00	31.37	150	53	PK	Vertical	PASS
2	1879.2000	38.83	44.99	6.16	74.00	29.01	150	324	PK	Vertical	PASS
3	3837.7500	56.90	41.41	-15.49	74.00	32.59	150	43	PK	Vertical	PASS
4	6148.5000	54.88	44.23	-10.65	74.00	29.77	150	321	PK	Vertical	PASS
5	7206.7500	55.94	45.49	-10.45	74.00	28.51	150	252	PK	Vertical	PASS
6	11224.5000	50.72	47.28	-3.44	74.00	26.72	150	286	PK	Vertical	PASS

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

Mode:
1M-2440MHz

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	1315.6000	40.38	43.01	2.63	74.00	30.99	150	4	PK	Horizontal	PASS
2	1822.0000	39.22	44.95	5.73	74.00	29.05	150	116	PK	Horizontal	PASS
3	4881.0000	57.69	44.03	-13.66	74.00	29.97	150	148	PK	Horizontal	PASS
4	7320.0000	57.07	46.94	-10.13	74.00	27.06	150	78	PK	Horizontal	PASS
5	9966.0000	52.18	45.99	-6.19	74.00	28.01	150	217	PK	Horizontal	PASS
6	11626.5000	51.17	48.34	-2.83	74.00	25.66	150	113	PK	Horizontal	PASS

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	1260.4000	40.69	43.33	2.64	74.00	30.67	150	53	PK	Vertical	PASS
2	1833.6000	38.62	44.45	5.83	74.00	29.55	150	280	PK	Vertical	PASS
3	3842.2500	56.95	41.43	-15.52	74.00	32.57	150	216	PK	Vertical	PASS
4	5770.5000	55.73	43.48	-12.25	74.00	30.52	150	356	PK	Vertical	PASS
5	7320.7500	55.43	45.29	-10.14	74.00	28.71	150	216	PK	Vertical	PASS
6	9434.2500	53.69	46.21	-7.48	74.00	27.79	150	286	PK	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: 1M-2480MHz

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	1272.8000	39.40	42.05	2.65	74.00	31.95	150	183	PK	Horizontal	PASS
2	1880.8000	39.42	45.57	6.15	74.00	28.43	150	140	PK	Horizontal	PASS
3	4530.7500	57.45	42.46	-14.99	74.00	31.54	150	131	PK	Horizontal	PASS
4	5751.0000	55.82	43.65	-12.17	74.00	30.35	150	96	PK	Horizontal	PASS
5	7019.2500	54.45	43.92	-10.53	74.00	30.08	150	174	PK	Horizontal	PASS
6	11214.7500	51.35	47.89	-3.46	74.00	26.11	150	208	PK	Horizontal	PASS

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	1293.2000	39.74	42.52	2.78	74.00	31.48	150	210	PK	Vertical	PASS
2	1901.6000	38.34	44.56	6.22	74.00	29.44	150	123	PK	Vertical	PASS
3	3846.7500	57.91	42.04	-15.87	74.00	31.96	150	113	PK	Vertical	PASS
4	5417.2500	56.66	43.88	-12.78	74.00	30.12	150	252	PK	Vertical	PASS
5	6126.0000	55.60	44.65	-10.95	74.00	29.35	150	252	PK	Vertical	PASS
6	9387.0000	53.91	46.43	-7.48	74.00	27.57	150	27	PK	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level