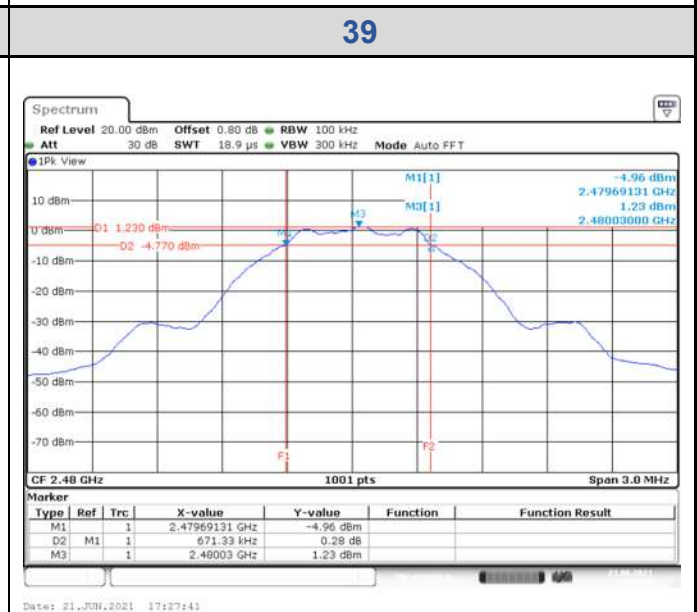
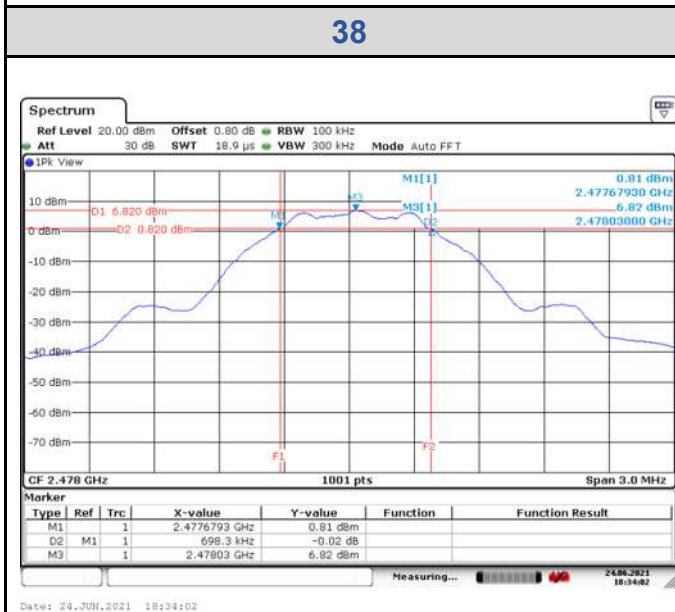
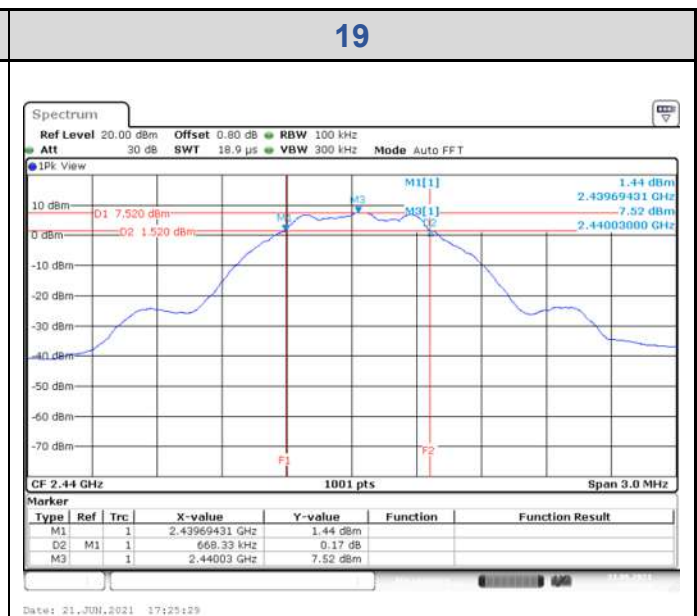
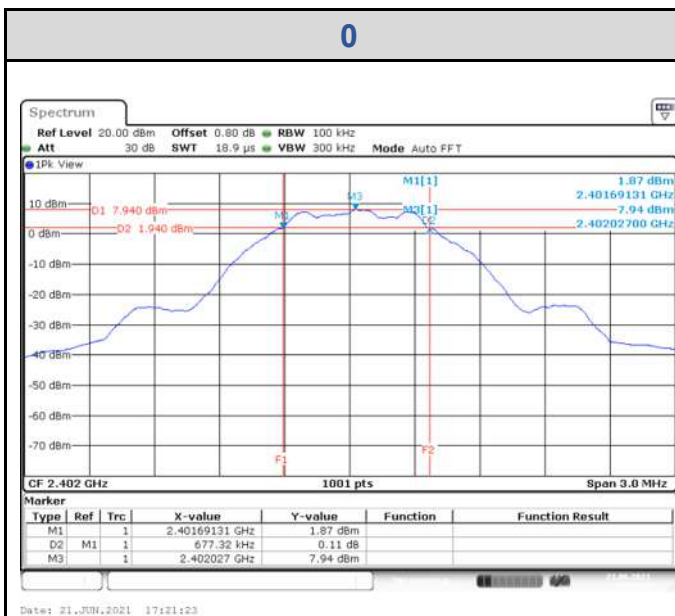


Appendix A: Test Results of Conducted Test_BLE

Test Result of 6 dB Bandwidth

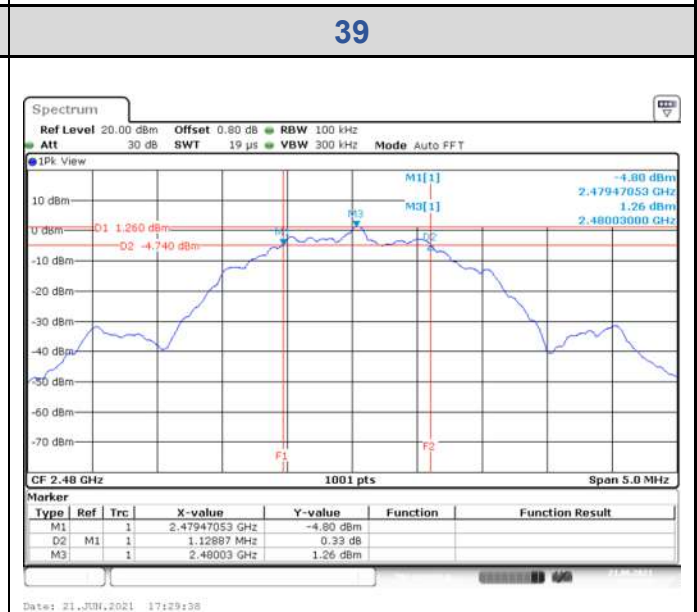
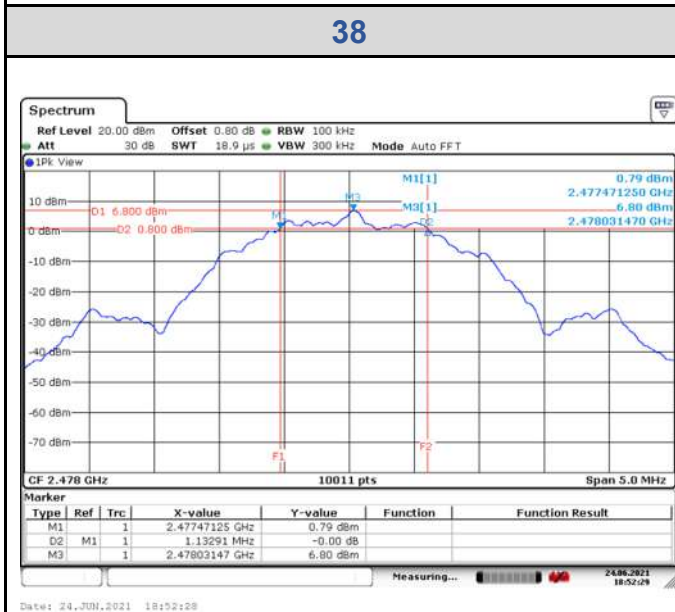
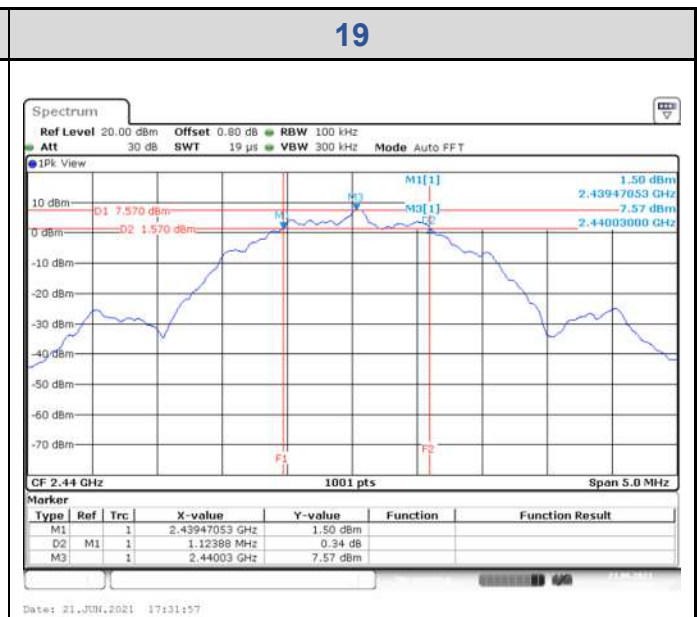
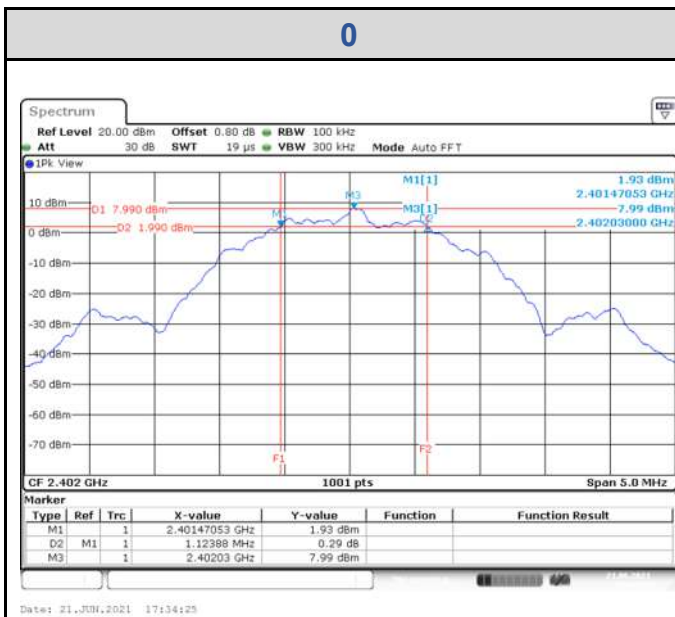
BLE_1M

Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
0	2402	677.32	> 500	Pass
19	2440	668.33	> 500	Pass
38	2478	698.3	> 500	Pass
39	2480	671.33	> 500	Pass



BLE_2M

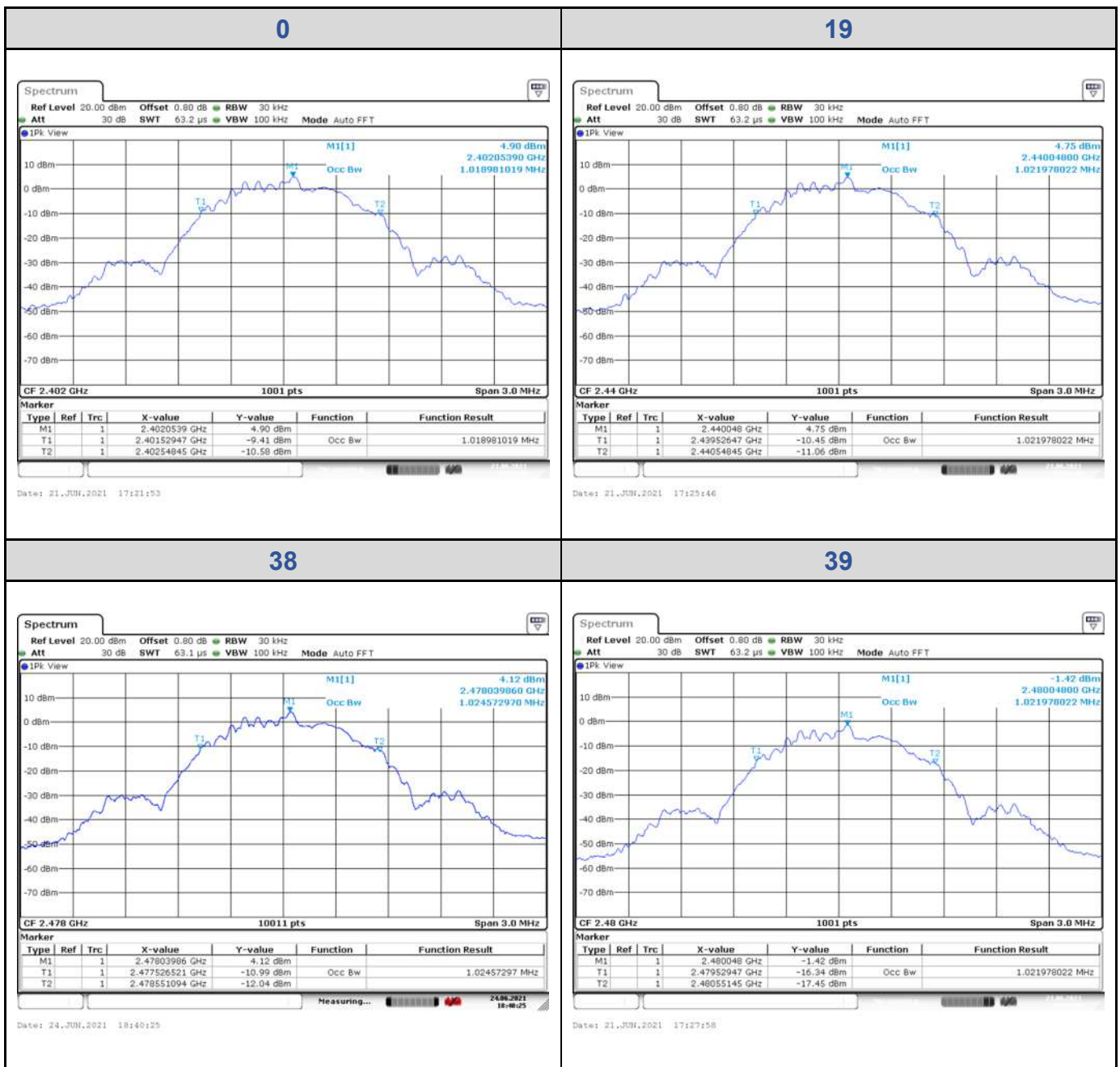
Channel	Channel Frequency (MHz)	6 dB Bandwidth (kHz)	Limit (kHz)	Result
0	2402	1123.88	> 500	Pass
19	2440	1123.88	> 500	Pass
38	2478	1132.91	> 500	Pass
39	2480	1128.87	> 500	Pass



Test Result of 99% Occupied Bandwidth

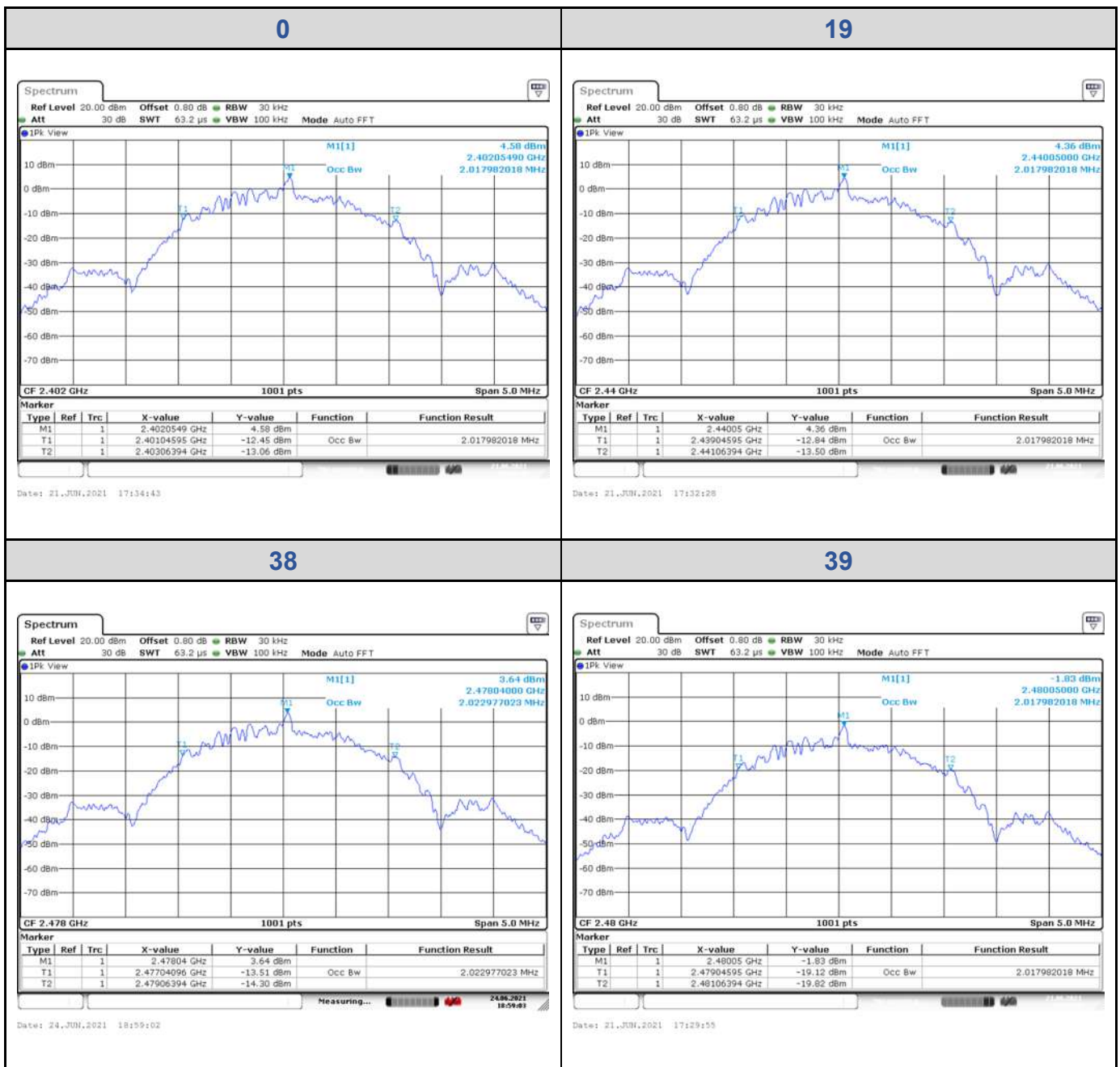
BLE_1M

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
0	2402	1.02
19	2440	1.02
38	2478	1.02
39	2480	1.02



BLE_2M

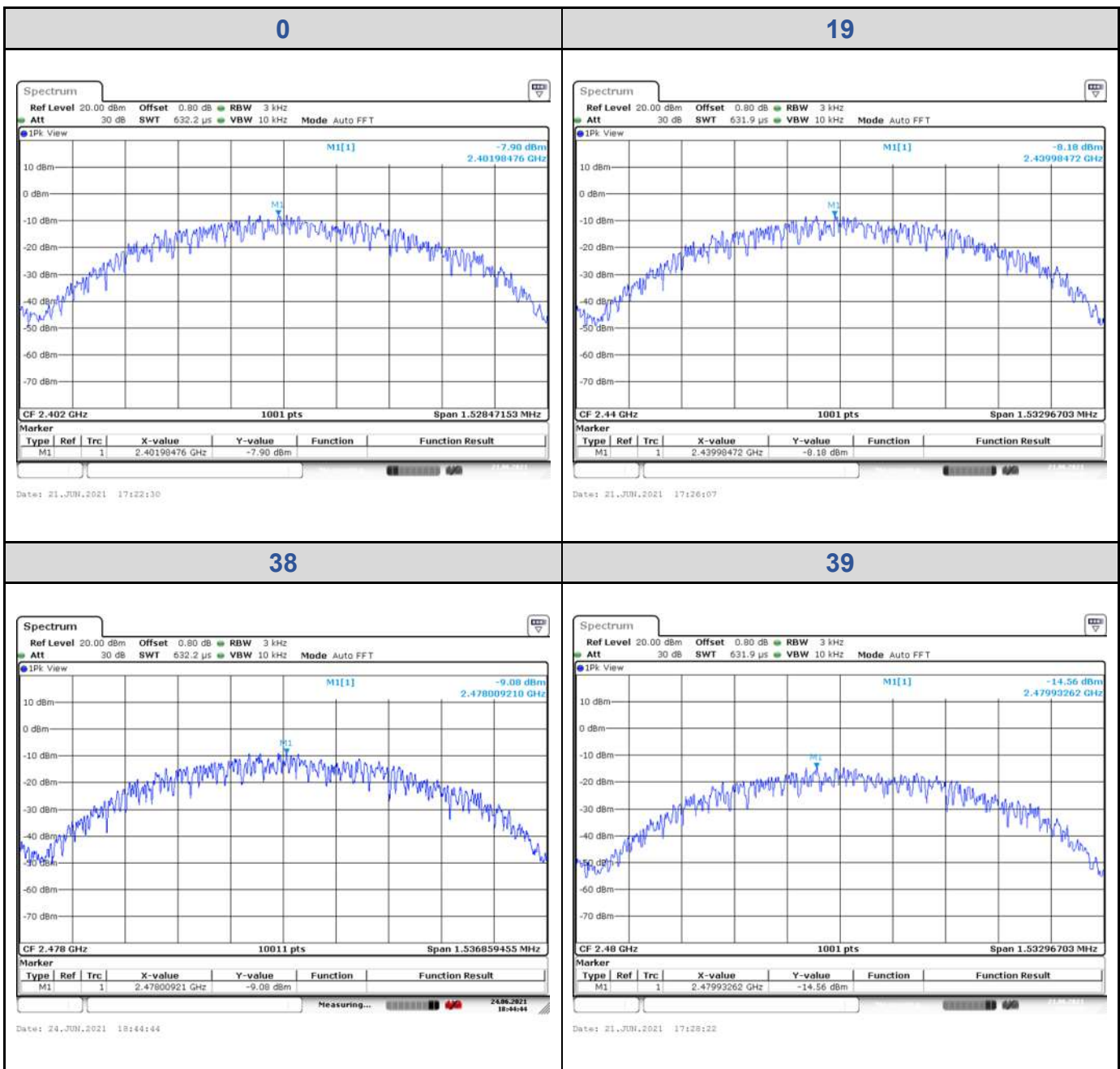
Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
0	2402	2.02
19	2440	2.02
38	2478	2.02
39	2480	2.02



Test Result of Power Spectral Density

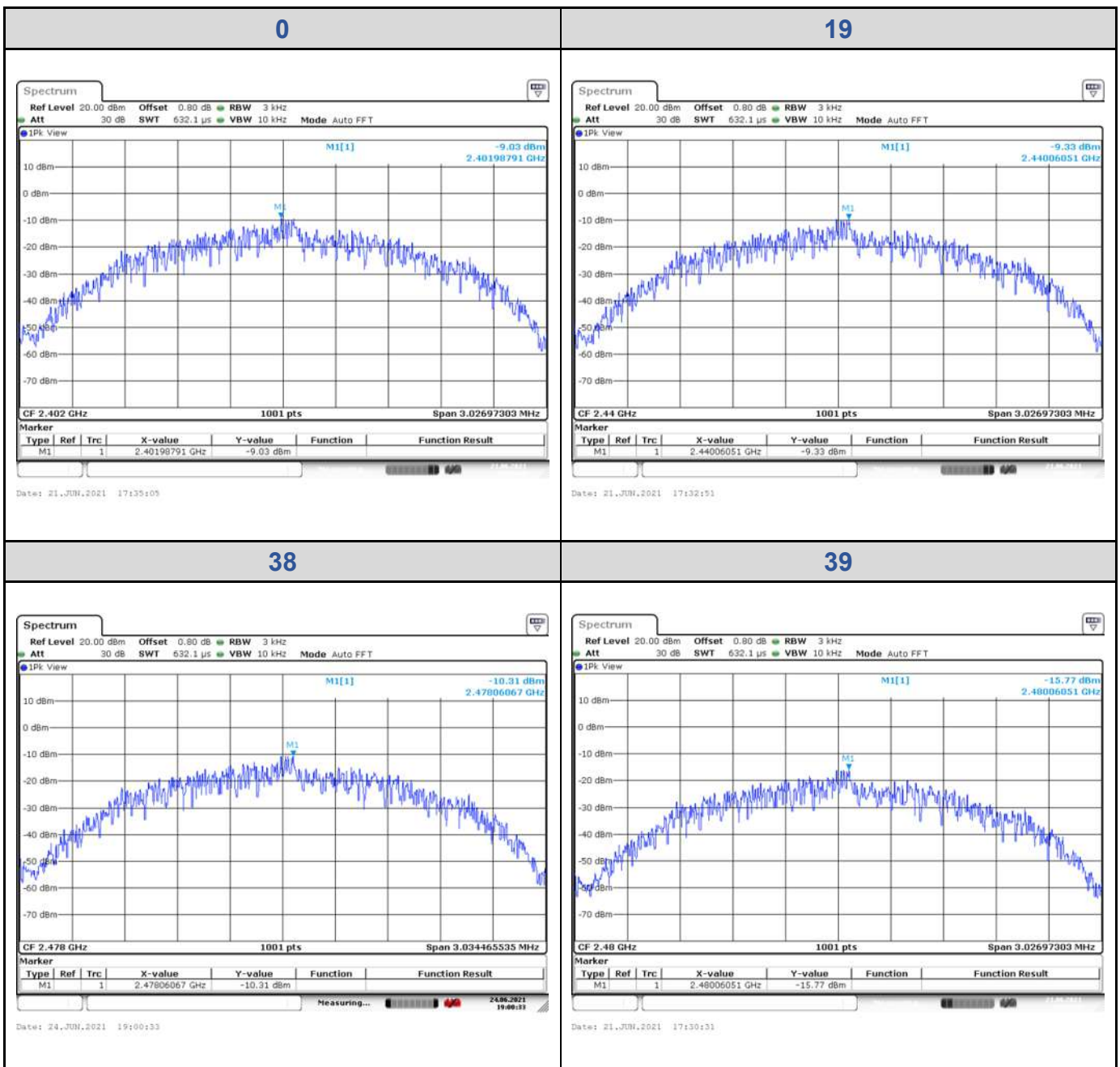
BLE_1M

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
0	2402	-7.90	8	Pass
19	2440	-8.18	8	Pass
38	2478	-9.08	8	Pass
39	2480	-14.56	8	Pass



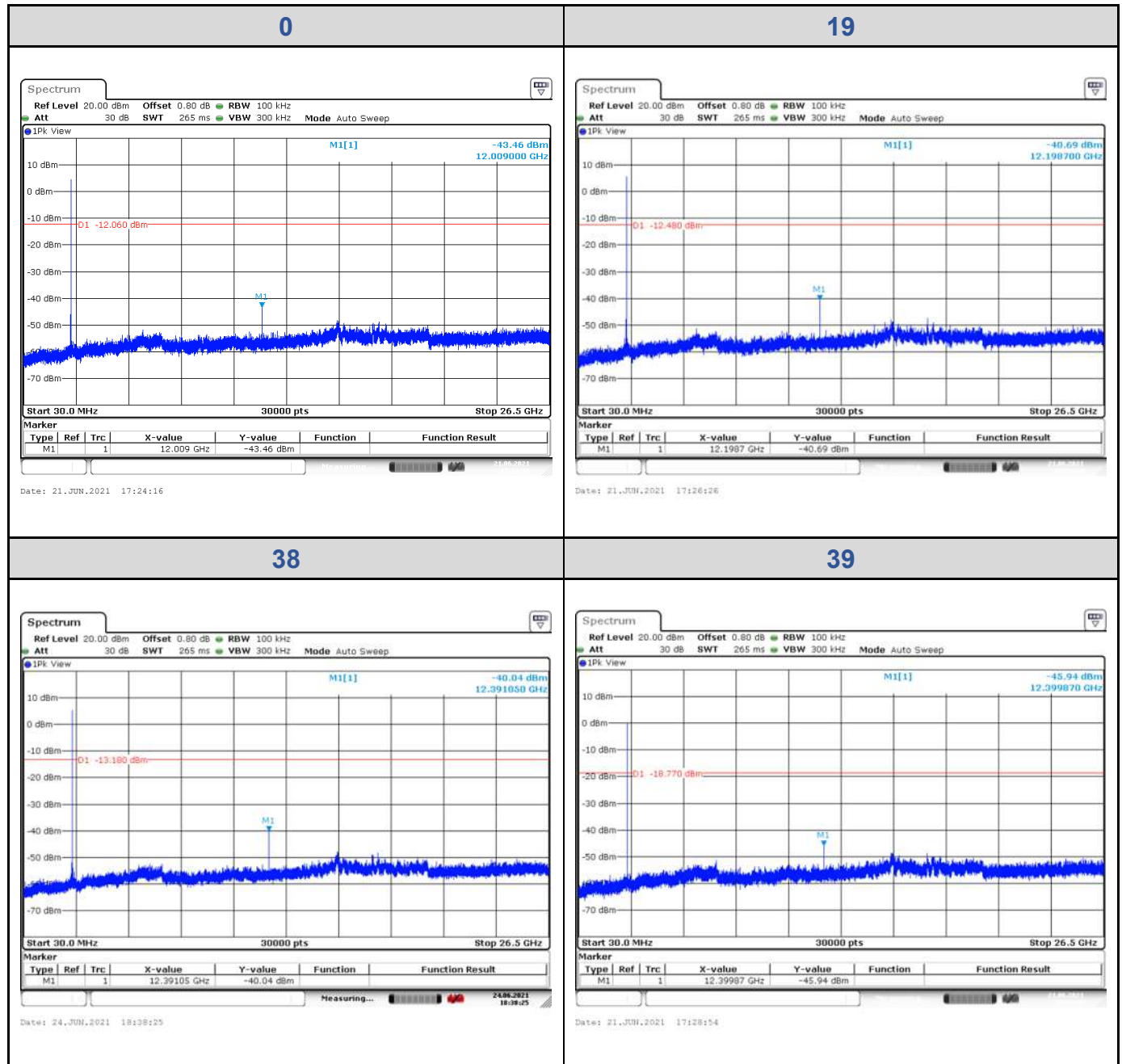
BLE_2M

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
0	2402	-9.03	8	Pass
19	2440	-9.33	8	Pass
38	2478	-10.31	8	Pass
39	2480	-15.77	8	Pass

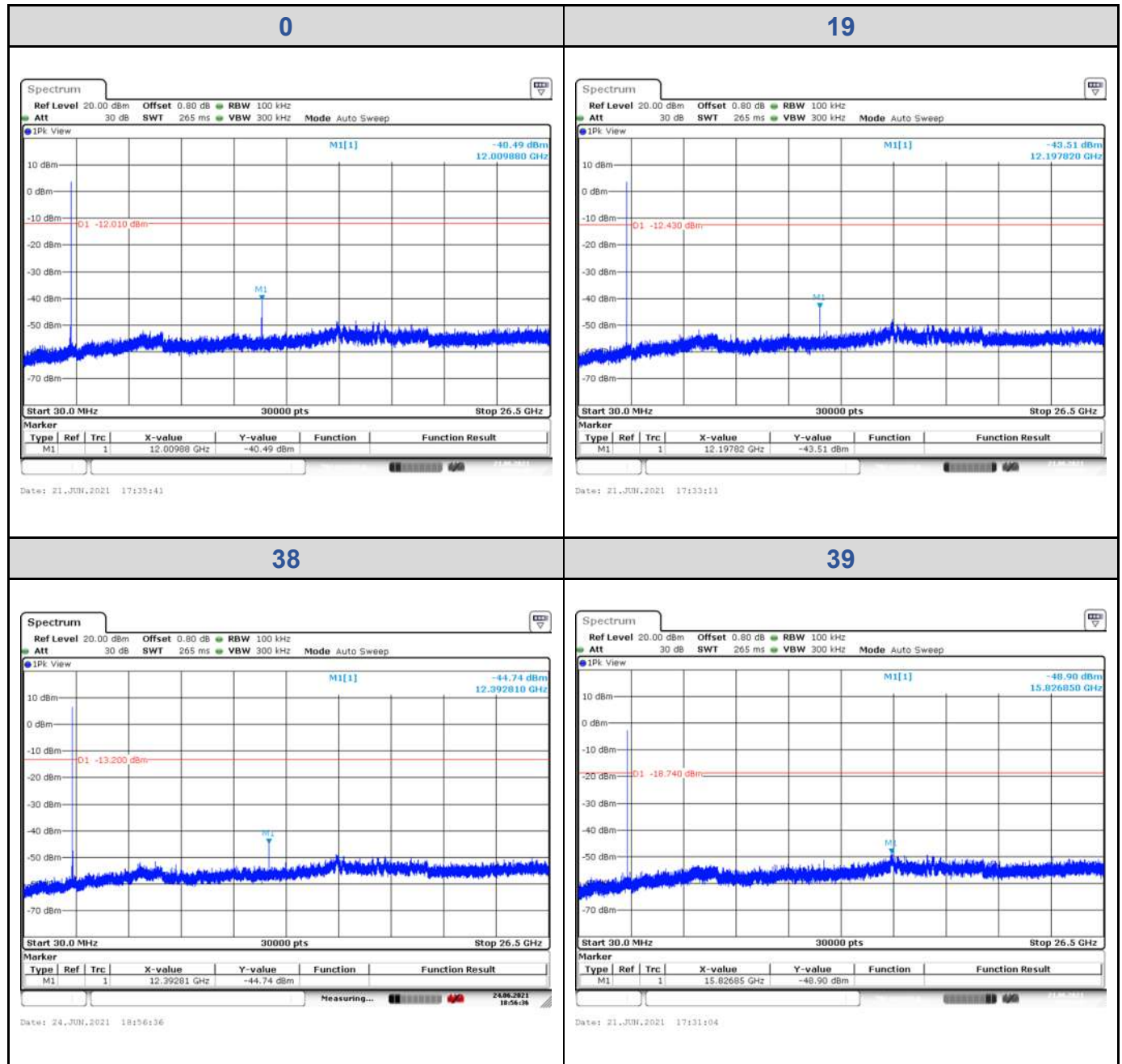


Test Result of Conducted Spurious Emissions, Tx Mode

BLE_1M

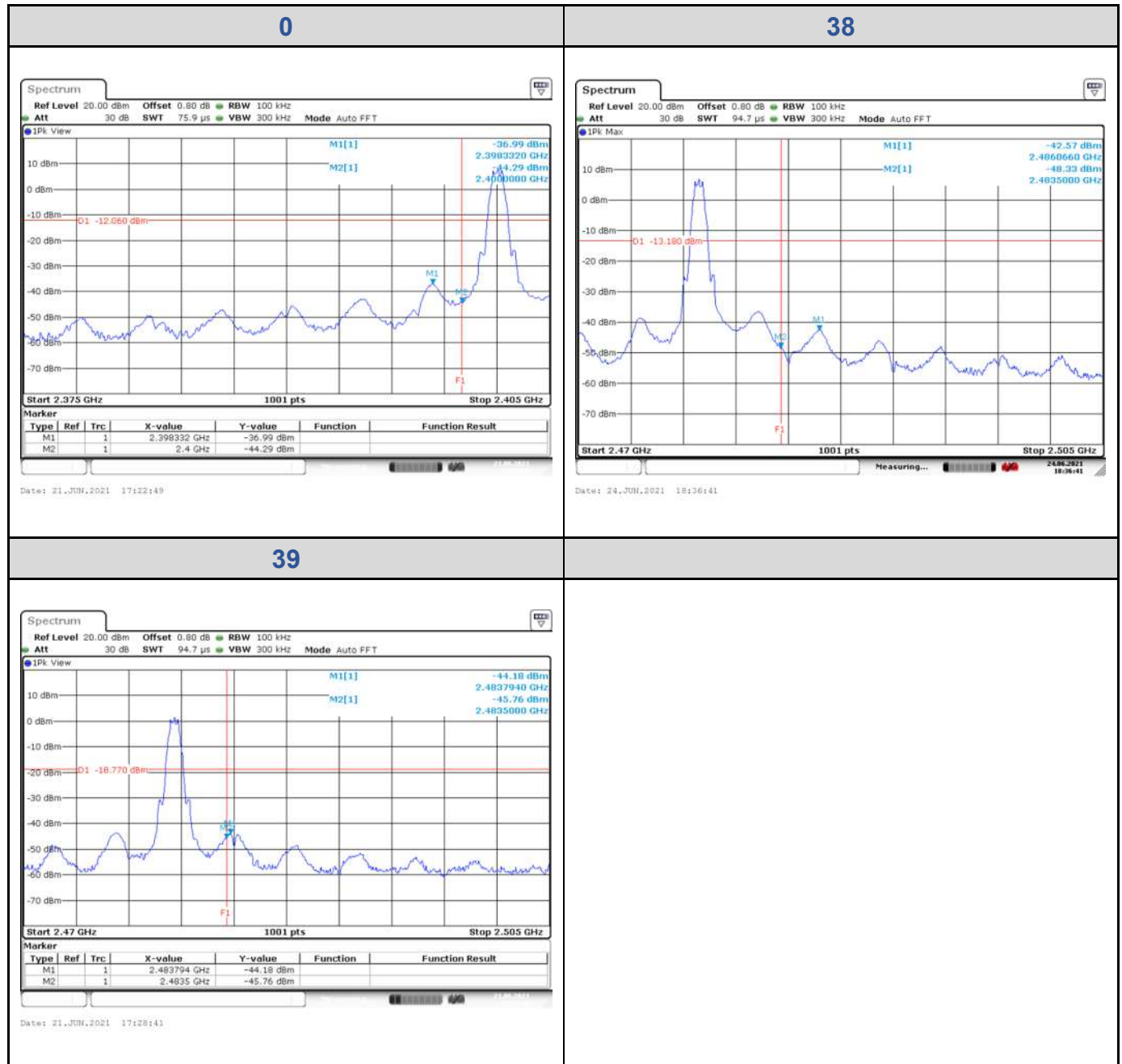


BLE_2M

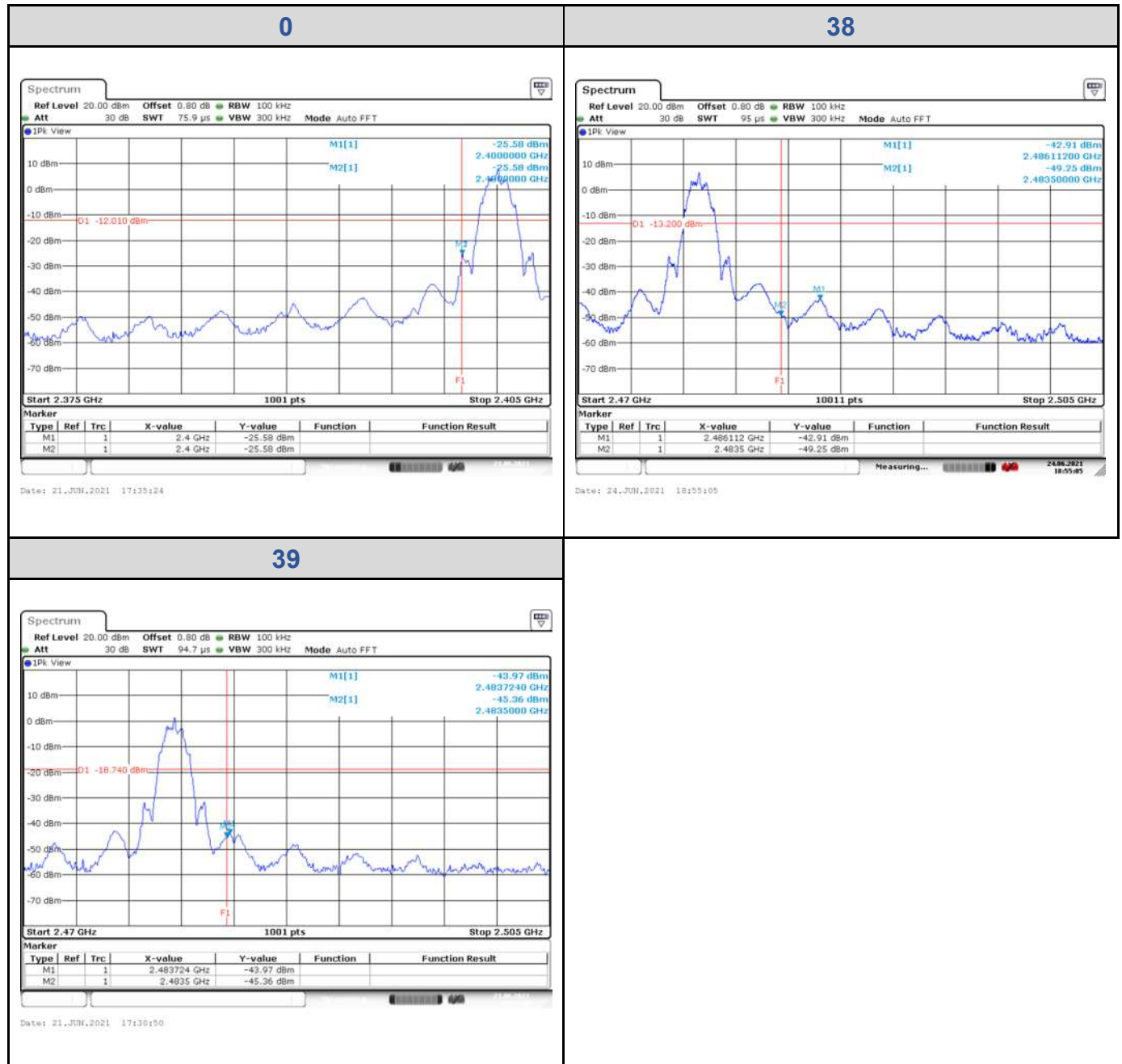


Test Result of Conducted Band Edge, Tx Mode

BLE_1M



BLE_2M



Appendix B: Test Results of Radiated Emissions & Mains Conducted Emission Test_ MSK32WT-M10

Band Edges, 2.31GHz ~ 2.9GHz

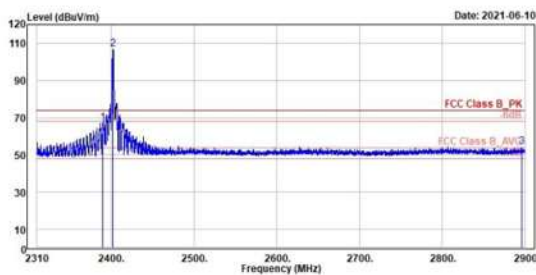
BLE_1M

Channel 0 (Horizontal) Peak

Channel 0 (Vertical) Peak



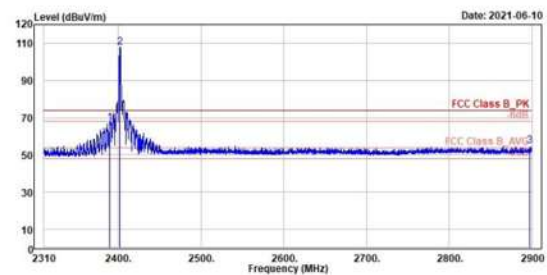
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 Tel: +886-2172-1000 Fax: +886-2172-1322



	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level Factor	Line	Limit				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2390.00	66.00	29.34	37.56	74.00	-7.10	150	195 Peak
2 *	2402.00	109.61	68.97	37.64	74.00	32.61	150	195 Peak
3	2896.11	54.18	15.58	38.60	74.00	-19.82	150	195 Peak



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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Freq	Level	Level Factor	Line	Limit				
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2389.65	66.68	29.32	37.56	74.00	-7.12	304	163 Peak
2 *	2402.00	107.65	70.21	37.64	74.00	33.65	304	163 Peak
3	2897.17	54.97	16.36	38.61	74.00	-19.83	304	163 Peak

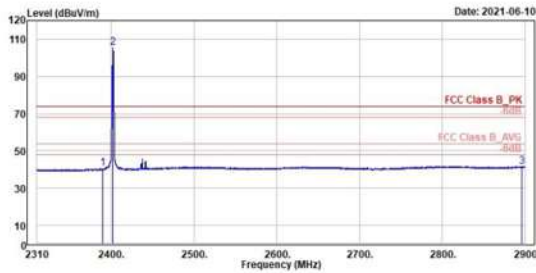
BLE_1M

Channel 0 (Horizontal) Average

Channel 0 (Vertical) Average



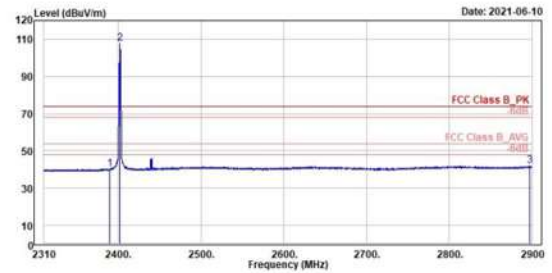
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	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	Freq	Level		Line	Limit					
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.00	40.39	2.83	37.56	54.00	-13.61	150	195 Average	Horizontal	
2 *	2402.00	105.36	67.72	37.64	54.00	51.36	150	195 Average	Horizontal	
3	2896.11	41.72	3.12	38.60	54.00	-12.28	150	195 Average	Horizontal	



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	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	Freq	Level		Line	Limit					
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.65	40.29	2.73	37.56	54.00	-13.71	304	163 Average	Vertical	
2 *	2402.00	107.60	69.96	37.64	54.00	53.60	304	163 Average	Vertical	
3	2897.17	41.06	3.25	38.61	54.00	-12.14	304	163 Average	Vertical	

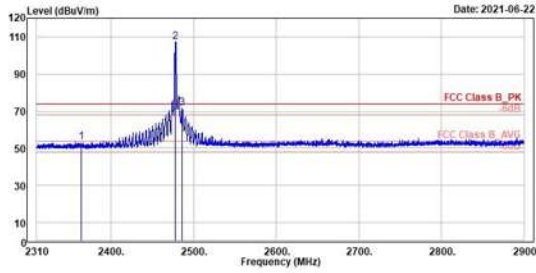
BLE_1M

Channel 38(Horizontal) Peak

Channel 38 (Vertical) Peak



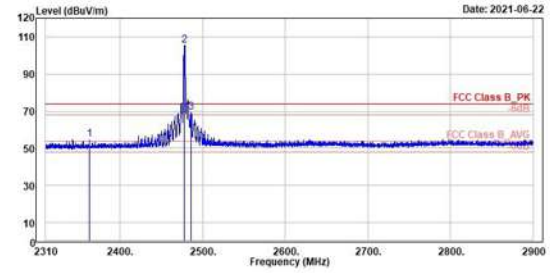
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2363.69	53.23	15.86	37.37	74.00	-20.77	130	169	Peak	Horizontal		
2 *	2475.00	107.00	69.67	38.13	74.00	33.00	130	169	Peak	Horizontal		
3 !	2486.29	71.83	33.65	38.18	74.00	-2.17	130	169	Peak	Horizontal		



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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2363.63	54.66	17.29	37.37	74.00	-19.34	359	148	Peak	Vertical		
2 *	2475.00	105.63	67.44	38.13	74.00	31.61	359	148	Peak	Vertical		
3 !	2486.06	69.17	31.00	38.17	74.00	-4.83	359	148	Peak	Vertical		

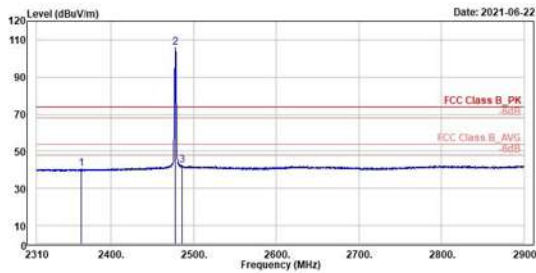
BLE_1M

Channel 38 (Horizontal) Average

Channel 38(Vertical) Average



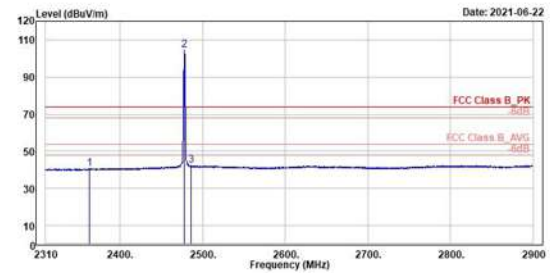
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2363.69	40.43	3.06	37.37	54.00	-13.57	130	169	Average	Horizontal	
2 *	2475.00	105.66	67.53	38.13	54.00	51.66	130	169	Average	Horizontal	
3	2486.29	42.43	4.25	38.18	54.00	-11.57	130	169	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2362.63	40.81	3.44	37.37	54.00	-13.19	359	148	Average	Vertical	
2 *	2475.00	104.36	66.23	38.13	54.00	50.36	359	148	Average	Vertical	
3	2486.06	42.63	4.46	38.17	54.00	-11.37	359	148	Average	Vertical	

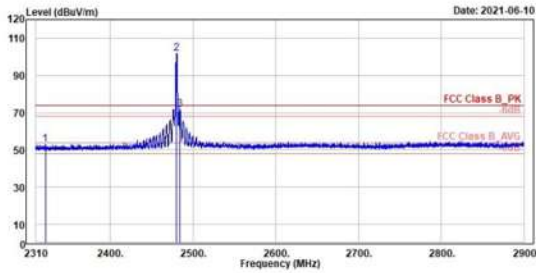
BLE_1M

Channel 39 (Horizontal) Peak

Channel 39 (Vertical) Peak



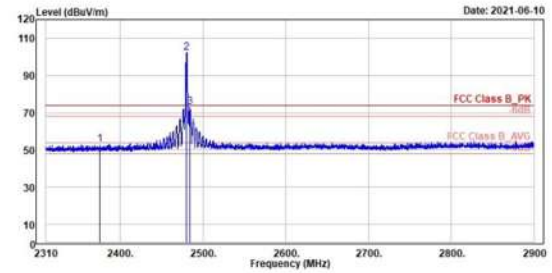
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2321.33	53.18	15.92	37.18	74.00	-20.90		150	198	Peak	Horizontal	
2 *	2488.00	101.97	63.82	38.15	74.00	27.97		150	198	Peak	Horizontal	
3 †	2484.06	71.64	33.47	38.17	74.00	-2.36		170	188	Peak	Horizontal	



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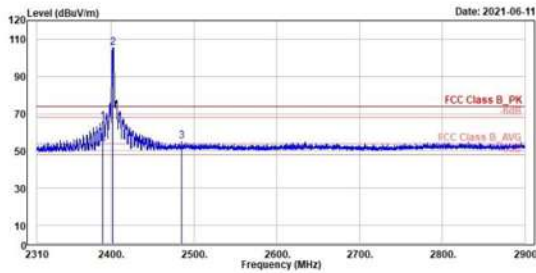


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2375.25	52.76	15.31	37.45	74.00	-21.24		315	136	Peak	Vertical	
2 *	2488.00	102.30	64.15	38.15	74.00	28.30		315	136	Peak	Vertical	
3 †	2484.18	73.00	34.91	38.17	74.00	-0.92		399	140	Peak	Vertical	

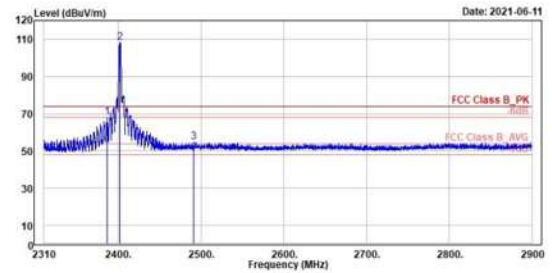
BLE_2M

Channel 0 (Horizontal) Peak

Channel 0 (Vertical) Peak



Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2390.00	65.52	27.96	37.56	74.00	-8.48	139	130	Peak	Horizontal		
2 *	2402.00	105.35	67.71	37.64	74.00	31.35	139	130	Peak	Horizontal		
3	2485.35	55.31	17.14	38.17	74.00	-18.69	139	130	Peak	Horizontal		



Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2395.46	67.77	30.23	37.54	74.00	-6.23	304	163	Peak	Vertical		
2 *	2402.00	100.16	70.52	37.64	74.00	26.16	304	163	Peak	Vertical		
3	2490.78	54.68	16.48	38.20	74.00	-19.32	304	163	Peak	Vertical		

	Freq	Head Level	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	Hz	dBu/m	dBu	dB/m	dB	cm	deg		
1	2386.46	41.92	4.38	37.54	54.00	-12.00	304	163 Average	Vertical
2 *	2402.00	106.23	60.59	37.64	54.00	52.23	304	163 Average	Vertical
3	2496.76	42.76	4.56	30.20	54.00	-11.24	304	163 Average	Vertical

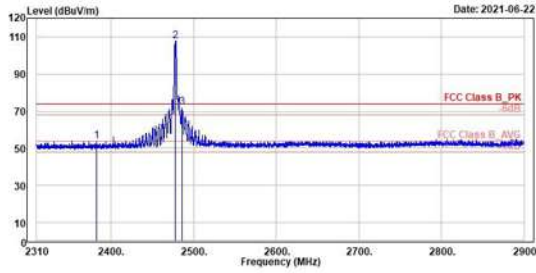
BLE_2M

Channel 38 (Horizontal) Peak

Channel 38 (Vertical) Peak



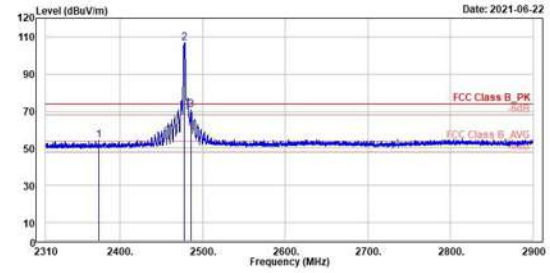
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2382.10	53.62	16.12	37.50	74.00	-20.38		229	172	Peak	Horizontal	
2 *	2475.00	107.58	69.45	38.13	74.00	33.58		229	172	Peak	Horizontal	
3 !	2486.29	72.25	34.07	38.18	74.00	-1.75		229	172	Peak	Horizontal	



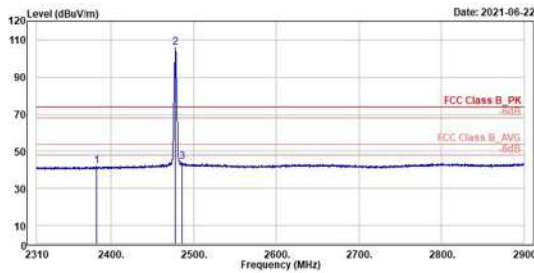
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2374.19	54.42	16.97	37.45	74.00	-19.58		321	164	Peak	Vertical	
2 *	2475.00	106.93	68.80	38.13	74.00	32.93		321	164	Peak	Vertical	
3 !	2486.06	70.53	32.36	38.17	74.00	-3.47		321	164	Peak	Vertical	

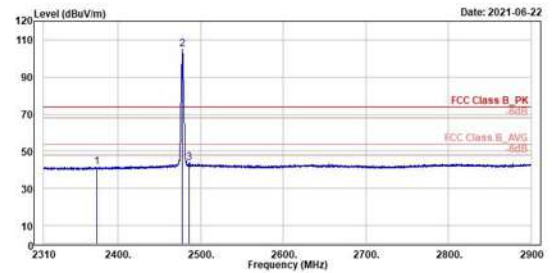
BLE_2M

Channel 38 (Horizontal) Average



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2382.10	41.99	4.49	37.50	54.00	-12.01	229	172	Average	Horizontal		
2 *	2475.00	105.65	67.52	38.13	54.00	51.65	229	172	Average	Horizontal		
3	2486.29	44.05	5.67	38.18	54.00	-9.95	229	172	Average	Horizontal		

Channel 38 (Vertical) Average

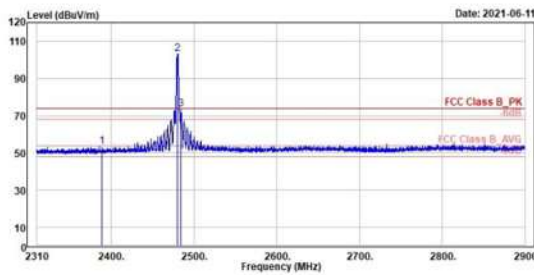


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2374.19	41.72	4.27	37.45	54.00	-12.28	321	164	Average	Vertical		
2 *	2475.00	104.97	66.84	38.13	54.00	50.97	321	164	Average	Vertical		
3	2486.06	43.75	5.58	38.17	54.00	-10.25	321	164	Average	Vertical		

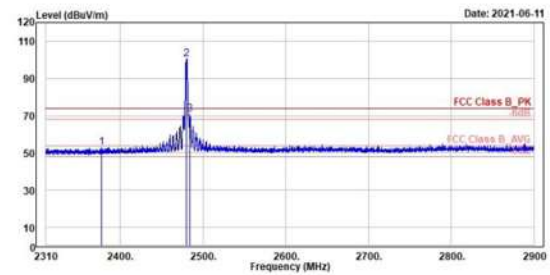
BLE_2M

Channel 39 (Horizontal) Peak

Channel 39 (Vertical) Peak



Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.23	53.32	15.77	37.55	74.00	-20.68	282	156	Peak	Vertical		
2 *	2488.00	102.96	64.81	38.15	74.00	28.96	282	156	Peak	Vertical		
3 †	2484.05	73.67	35.58	38.17	74.00	-0.33	282	157	Peak	Vertical		



Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2377.38	53.82	15.55	37.47	74.00	-20.98	186	131	Peak	Horizontal		
2 *	2488.00	100.43	62.27	38.15	74.00	26.43	186	131	Peak	Horizontal		
3 †	2484.17	70.72	32.55	38.17	74.00	-3.28	186	131	Peak	Horizontal		

	Freq	Level	Lead Level	Factor	Line Limit	Over Limit	Apos	Tpos	Remark	Pol/Phase	Note
	FHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2377.38	41.05	3.58	37.47	54.00	-12.95	106	131	Average	Horizontal	
2	2480.00	90.45	60.30	30.15	54.00	44.45	106	131	Average	Horizontal	
3	2484.17	43.34	5.17	30.17	54.00	-10.66	106	131	Average	Horizontal	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

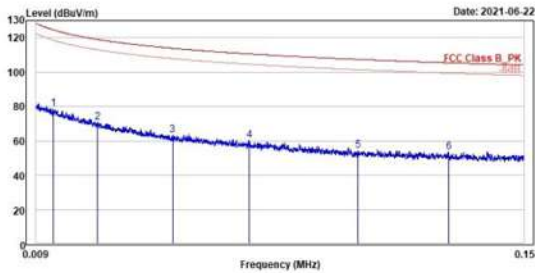
BLE_1M

Channel 39 (Open) 9kHz~150kHz

Channel 39 (Open) 150kHz~30MHz



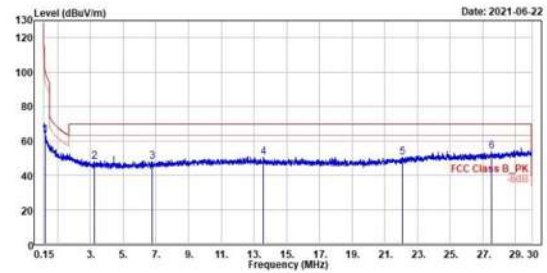
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	78.68	3.45	75.15	124.69	-46.09	100	160	QP	Open	
2	0.03	78.71	0.72	69.99	119.00	-48.29	100	158	QP	Open	
3	0.05	63.37	-0.85	64.22	113.88	-50.51	100	326	QP	Open	
4	0.07	60.38	-0.75	61.13	110.62	-50.24	100	263	QP	Open	
5	0.10	54.28	-2.97	57.17	107.42	-53.22	100	275	QP	Open	
6	0.13	53.52	-2.53	56.05	105.44	-51.92	100	22	QP	Open	



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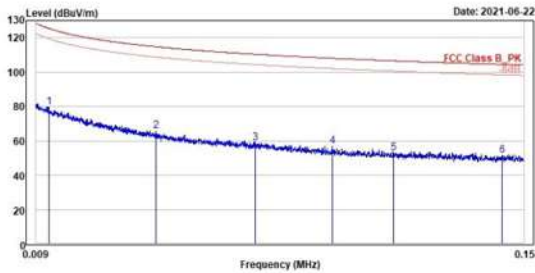
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.25	63.43	12.67	50.76	99.59	-36.16	100	382	QP	Open	
2	3.22	48.19	11.33	36.86	69.50	-23.31	100	298	QP	Open	
3	6.76	47.97	10.98	36.99	69.50	-21.53	100	264	QP	Open	
4	13.56	50.43	12.51	37.92	69.50	-19.07	100	0	QP	Open	
5	22.06	50.63	12.21	38.42	69.50	-18.87	100	47	QP	Open	
6	27.53	53.98	13.01	40.97	69.50	-15.52	100	220	QP	Open	

BLE_1M

Channel 39 (Close) 9kHz~150kHz



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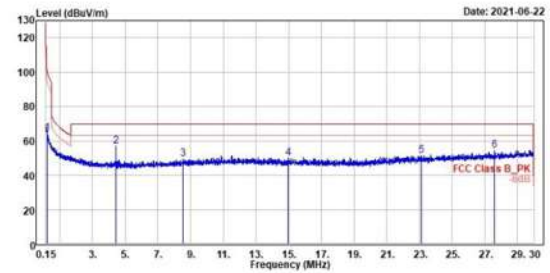


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	79.73	4.07	75.66	125.51	-45.78	100	263 QP		Close		
2	0.04	65.71	0.33	65.38	114.77	-49.06	100	347 QP		Close		
3	0.07	58.75	-2.14	60.89	110.39	-51.64	100	24 QP		Close		
4	0.09	56.94	-1.01	57.95	108.06	-51.12	100	292 QP		Close		
5	0.11	52.98	-3.75	56.73	106.59	-53.61	100	19 QP		Close		
6	0.14	51.68	-3.78	55.38	104.45	-52.85	100	271 QP		Close		

Channel 39 (Close) 150kHz~30MHz



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.23	64.39	12.61	51.78	100.46	-36.07	100	158 QP		Close		
2	4.43	57.02	20.51	36.51	69.50	-12.48	100	129 QP		Close		
3	8.56	49.20	11.55	37.65	69.50	-20.30	100	237 QP		Close		
4	14.98	49.99	12.17	37.82	69.50	-19.51	100	2 QP		Close		
5	23.10	51.43	12.53	38.90	69.50	-18.07	100	59 QP		Close		
6	27.58	54.32	13.32	41.00	69.50	-15.18	100	0 QP		Close		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

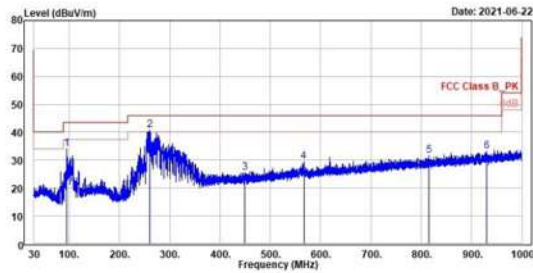
BLE_1M

Channel 39 (Horizontal)

Channel 39 (Vertical)



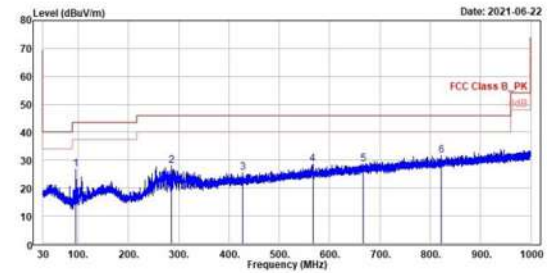
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	95.28	34.14	47.52	-13.38	43.50	-9.36	200	164	QP	Horizontal		
2	260.08	40.72	46.73	-6.01	46.00	-5.28	100	48	QP	Horizontal		
3	449.23	25.50	29.24	-3.74	46.00	-20.50	200	215	QP	Horizontal		
4	566.51	29.46	31.45	-1.99	46.00	-16.54	100	258	QP	Horizontal		
5	815.31	31.68	29.51	2.09	46.00	-14.40	200	168	QP	Horizontal		
6	930.45	33.29	29.35	3.94	46.00	-12.71	300	46	QP	Horizontal		



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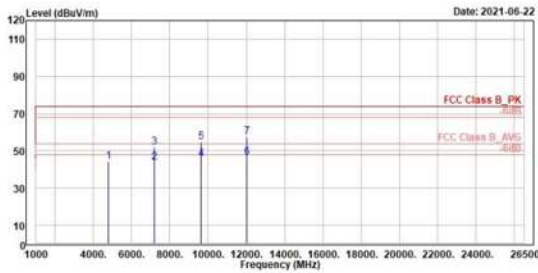


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	95.28	26.78	40.16	-13.38	43.50	-16.72	200	252	QP	Vertical		
2	285.40	27.86	34.66	-6.80	46.00	-18.14	400	248	QP	Vertical		
3	427.12	25.45	29.43	-3.98	46.00	-20.55	200	66	QP	Vertical		
4	566.51	28.45	30.44	-1.99	46.00	-17.55	100	228	QP	Vertical		
5	666.13	28.60	28.81	-0.21	46.00	-17.40	200	105	QP	Vertical		
6	822.59	31.73	29.51	2.22	46.00	-14.27	100	97	QP	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

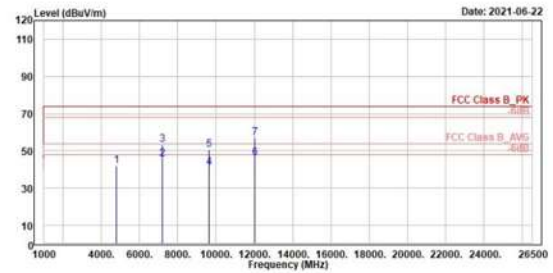
BLE_1M

Channel 0 (Horizontal)



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	44.21	53.99	-9.78	74.00	-29.79	300	40	Peak	Horizontal	
2	7206.00	43.93	51.17	-7.24	85.36	-41.43	400	38	Average	Horizontal	
3	7206.00	51.99	59.23	-7.24	86.61	-34.62	400	38	Peak	Horizontal	
4	9608.00	45.74	50.64	-4.90	85.36	-39.62	320	360	Average	Horizontal	
5	9608.00	54.61	59.51	-4.90	86.61	-32.00	320	360	Peak	Horizontal	
6	12010.00	46.48	46.72	-0.24	54.00	-7.52	100	271	Average	Horizontal	
7	12010.00	57.56	57.00	-0.24	74.00	-16.44	100	271	Peak	Horizontal	

Channel 0 (Vertical)



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	42.82	51.00	-9.78	74.00	-31.98	300	77	Peak	Vertical	
2	7206.00	45.45	52.69	-7.24	87.60	-42.15	400	309	Average	Vertical	
3	7206.00	53.42	60.66	-7.24	87.85	-34.43	400	309	Peak	Vertical	
4	9608.00	40.97	45.87	-4.90	87.60	-46.63	100	292	Average	Vertical	
5	9608.00	50.67	55.57	-4.90	87.85	-37.18	100	292	Peak	Vertical	
6	12010.00	46.16	46.40	-0.24	54.00	-7.84	210	0	Average	Vertical	
7	12010.00	56.82	57.06	-0.24	74.00	-17.18	210	0	Peak	Vertical	

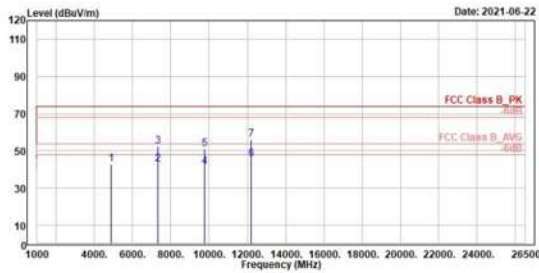
BLE_1M

Channel 19 (Horizontal)

Channel 19 (Vertical)



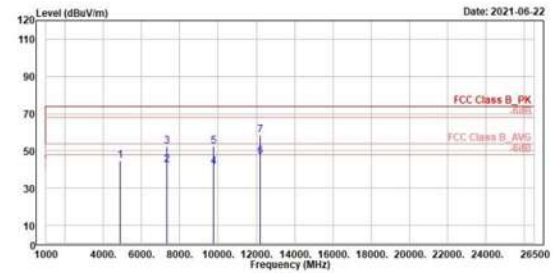
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	42.78	52.45	-9.67	74.00	-31.22	300	298	Peak	Horizontal	
2	7320.00	42.70	49.97	-7.27	54.00	-11.30	300	13	Average	Horizontal	
3	7320.00	52.43	59.70	-7.27	74.00	-21.57	300	13	Peak	Horizontal	
4	9760.00	41.52	46.12	-4.60	84.54	-43.02	362	360	Average	Horizontal	
5	9760.00	51.27	55.87	-4.60	85.85	-34.58	362	360	Peak	Horizontal	
6	12200.00	45.55	45.47	0.08	54.00	-8.45	300	180	Average	Horizontal	
7	12200.00	56.26	56.18	0.08	74.00	-17.74	300	180	Peak	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	44.94	54.61	-9.67	74.00	-29.06	300	245	Peak	Vertical	
2	7320.00	42.35	49.62	-7.27	54.00	-11.65	300	360	Average	Vertical	
3	7320.00	52.45	59.72	-7.27	74.00	-21.55	300	360	Peak	Vertical	
4	9760.00	41.49	46.09	-4.60	85.77	-44.28	100	290	Average	Vertical	
5	9760.00	52.28	56.88	-4.60	87.08	-34.80	100	290	Peak	Vertical	
6	12200.00	47.07	46.99	0.08	54.00	-6.93	300	360	Average	Vertical	
7	12200.00	58.35	58.27	0.08	74.00	-15.65	300	360	Peak	Vertical	

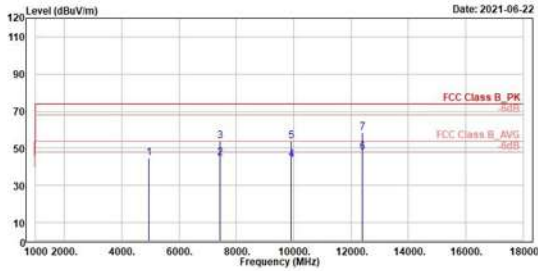
BLE_1M

Channel 38 (Horizontal)

Channel 38 (Vertical)



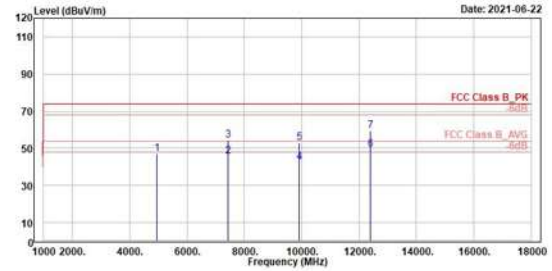
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4956.00	44.78	54.16	-9.46	74.00	-29.30	180	346 Peak	Horizontal	
2	7434.00	44.61	52.07	-7.26	54.00	-9.19	300	27 Average	Horizontal	
3	7434.00	53.77	61.03	-7.26	74.00	-20.23	300	27 Peak	Horizontal	
4	9912.00	43.88	48.25	-4.37	85.66	-41.78	368	360 Average	Horizontal	
5	9912.00	53.78	58.15	-4.37	87.00	-33.22	368	360 Peak	Horizontal	
6	12390.00	48.00	47.78	0.22	54.00	-6.00	180	68 Average	Horizontal	
7	12390.00	58.44	58.22	0.22	74.00	-15.56	180	68 Peak	Horizontal	



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4956.00	46.96	56.42	-9.46	74.00	-27.04	480	255 Peak	Vertical	
2	7434.00	45.81	53.07	-7.26	54.00	-8.19	300	330 Average	Vertical	
3	7434.00	54.37	61.63	-7.26	74.00	-19.63	300	330 Peak	Vertical	
4	9912.00	42.59	46.96	-4.37	84.36	-41.77	100	291 Average	Vertical	
5	9912.00	52.95	57.32	-4.37	85.61	-32.66	100	291 Peak	Vertical	
6	12390.00	49.10	48.88	0.22	54.00	-4.90	221	0 Average	Vertical	
7	12390.00	59.26	59.04	0.22	74.00	-14.74	221	0 Peak	Vertical	

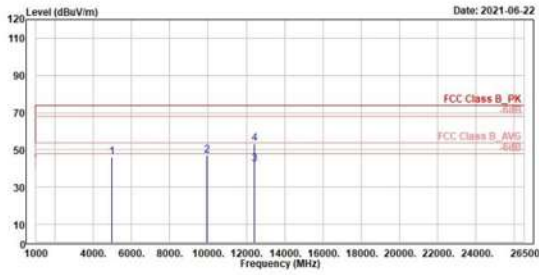
BLE_1M

Channel 39 (Horizontal)

Channel 39 (Vertical)



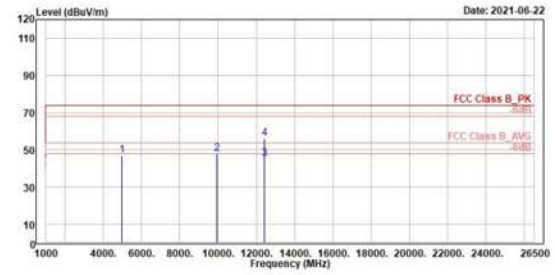
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4968.00	46.25	55.71	-9.46	74.00	-27.75	400	258	Peak	Horizontal	
2	9920.00	47.04	51.59	-4.35	81.97	-34.93	400	360	Peak	Horizontal	
3	12400.00	42.45	42.23	0.22	54.00	-11.55	400	0	Average	Horizontal	
4	12400.00	53.43	53.21	0.22	74.00	-20.57	400	0	Peak	Horizontal	



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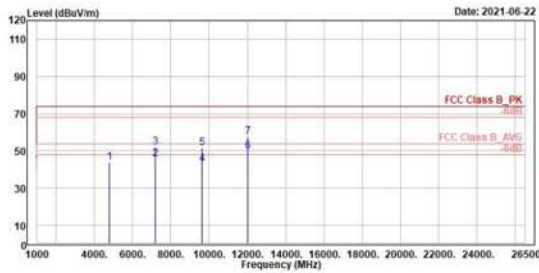
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4968.00	47.10	56.56	-9.46	74.00	-26.90	300	135	Peak	Vertical	
2	9920.00	47.91	52.26	-4.35	82.30	-34.39	300	236	Peak	Vertical	
3	12400.00	45.23	45.01	0.22	54.00	-8.77	221	0	Average	Vertical	
4	12400.00	56.18	55.96	0.22	74.00	-17.82	221	0	Peak	Vertical	

BLE_2M

Channel 0 (Horizontal)



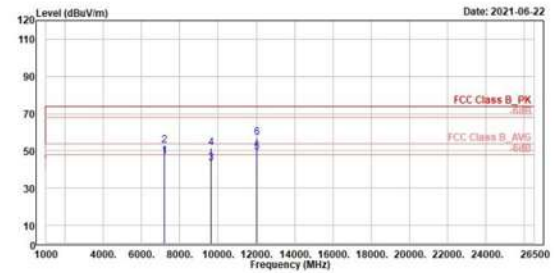
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1	2	3	4	5	6	7
Freq	Level	Read	Level	Factor	Limit	Over
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm
1	4804.00	43.92	53.78	-9.78	74.00	-30.00
2	7206.00	45.69	52.93	-7.24	83.43	-37.74
3	7206.00	51.92	59.16	-7.24	85.35	-33.43
4	9608.00	42.82	47.72	-4.90	83.43	-40.61
5	9608.00	51.43	56.33	-4.90	85.35	-33.92
6	12018.00	49.67	49.91	-0.24	54.00	-4.33
7	12018.00	57.62	57.66	-0.24	74.00	-16.38



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	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV		dB/m	dB	cm	deg			
1	7206.00	46.86	54.10	-7.24	86.23	-39.37	400	314	Average	Vertical	
2	7206.00	52.95	60.19	-7.24	88.16	-35.21	400	314	Peak	Vertical	
3	9608.00	43.25	48.15	-4.90	86.23	-42.98	100	282	Average	Vertical	
4	9608.00	51.77	56.67	-4.90	88.16	-36.39	100	282	Peak	Vertical	
5	12018.00	49.23	49.47	-0.24	54.00	-4.77	224	0	Average	Vertical	
6	12018.00	57.18	57.34	-0.24	74.00	-16.90	224	0	Peak	Vertical	

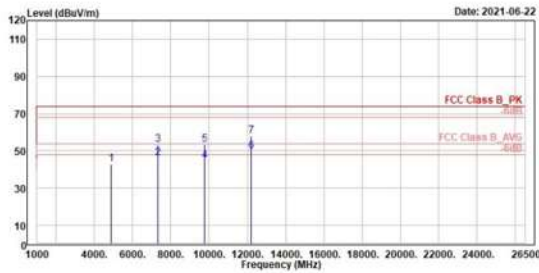
BLE_2M

Channel 19 (Horizontal)

Channel 19 (Vertical)



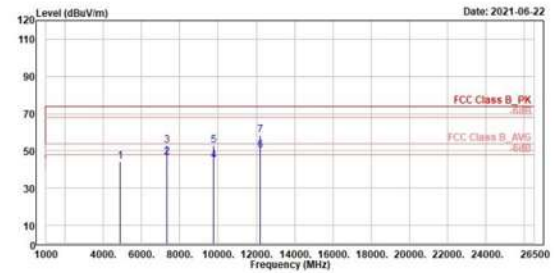
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	42.89	53.56	-9.67	74.00	-31.11	100			9 Peak	Horizontal	
2	7320.00	46.26	53.53	-7.27	54.00	-7.74	300			26 Average	Horizontal	
3	7320.00	53.36	60.63	-7.27	74.00	-20.64	300			26 Peak	Horizontal	
4	9760.00	44.81	49.41	-4.60	83.16	-38.35	338			360 Average	Horizontal	
5	9760.00	53.22	57.82	-4.60	85.11	-31.89	338			360 Peak	Horizontal	
6	12200.00	49.74	49.66	0.08	54.00	-4.26	100			281 Average	Horizontal	
7	12200.00	57.88	57.80	0.08	74.00	-16.12	100			281 Peak	Horizontal	



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	44.47	54.14	-9.67	74.00	-29.53	300			260 Peak	Vertical	
2	7320.00	46.64	53.91	-7.27	54.00	-7.36	300			336 Average	Vertical	
3	7320.00	52.74	60.01	-7.27	74.00	-21.26	300			336 Peak	Vertical	
4	9760.00	44.60	49.20	-4.60	85.66	-41.06	100			283 Average	Vertical	
5	9760.00	53.01	57.61	-4.60	87.60	-34.59	100			283 Peak	Vertical	
6	12200.00	50.27	50.19	0.08	54.00	-3.73	245			360 Average	Vertical	
7	12200.00	58.22	58.14	0.08	74.00	-15.78	245			360 Peak	Vertical	

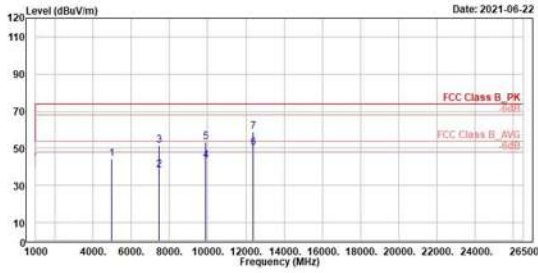
BLE_2M

Channel 38 (Horizontal)

Channel 38 (Vertical)



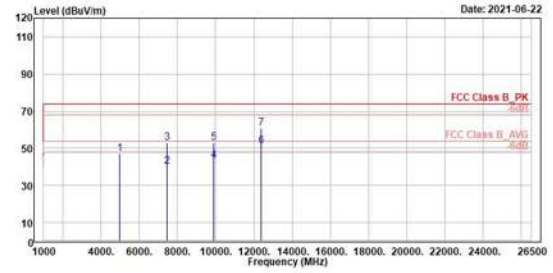
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4956.00	44.18	53.64	-9.46	74.00	-29.82	180	298	Peak	Horizontal		
2	7434.00	38.30	45.55	-7.25	54.00	-15.70	275	0	Average	Horizontal		
3	7434.00	51.77	59.03	-7.26	74.00	-22.23	275	0	Peak	Horizontal		
4	9912.00	43.41	47.78	-4.37	85.05	-42.24	300	336	Average	Horizontal		
5	9912.00	53.16	57.53	-4.37	87.58	-34.42	300	336	Peak	Horizontal		
6	12390.00	49.96	49.74	0.22	54.00	-4.04	189	64	Average	Horizontal		
7	12390.00	59.03	58.61	0.22	74.00	-14.97	189	64	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4956.00	47.14	56.68	-9.46	74.00	-26.86	400	266	Peak	Vertical		
2	7434.00	40.18	47.44	-7.26	54.00	-13.82	300	319	Average	Vertical		
3	7434.00	52.98	60.24	-7.26	74.00	-21.02	300	319	Peak	Vertical		
4	9912.00	43.18	47.55	-4.37	84.97	-41.79	400	288	Average	Vertical		
5	9912.00	52.85	57.22	-4.37	86.93	-34.08	400	288	Peak	Vertical		
6	12390.00	51.12	50.90	0.22	54.00	-2.88	263	0	Average	Vertical		
7	12390.00	60.62	60.40	0.22	74.00	-13.38	263	0	Peak	Vertical		

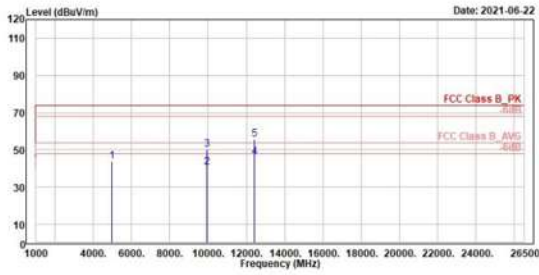
BLE_2M

Channel 39 (Horizontal)

Channel 39 (Vertical)



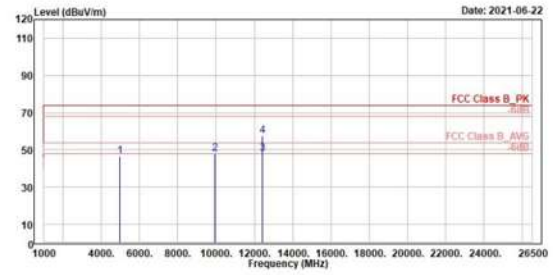
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	43.59	53.05	-9.46	74.00	-30.41	100	292	Peak	Horizontal	
2	9920.00	48.76	45.11	-4.35	81.00	-40.24	382	360	Average	Horizontal	
3	9920.00	50.26	54.61	-4.35	82.96	-32.70	382	360	Peak	Horizontal	
4	12400.00	46.21	45.99	0.22	54.00	-7.79	112	63	Average	Horizontal	
5	12400.00	55.49	55.27	0.22	74.00	-18.51	112	63	Peak	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4960.00	46.54	56.00	-9.46	74.00	-27.46	300	277	Peak	Vertical	
2	9920.00	47.69	52.04	-4.35	80.42	-32.73	100	295	Peak	Vertical	
3	12400.00	47.04	47.62	0.22	54.00	-6.16	235	0	Average	Vertical	
4	12400.00	57.62	57.40	0.22	74.00	-16.38	238	0	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

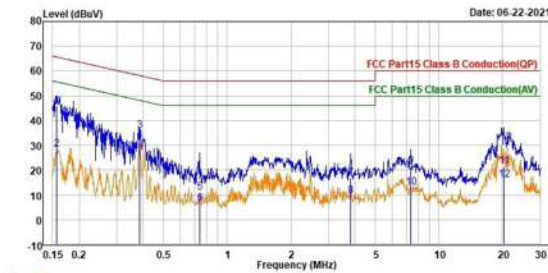
Worst Band

(Line)

(Neutral)



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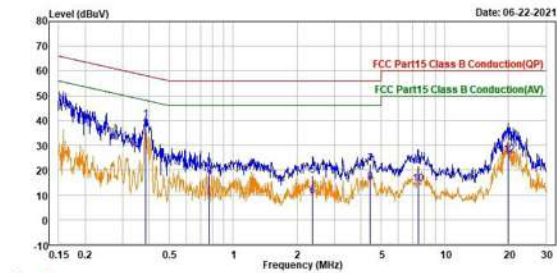


Trace: 1

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.157	36.09	9.66	45.75	65.63	-19.88	QP	line1	
2	0.157	18.80	9.66	28.46	55.63	-27.17	Average	line1	
3	0.385	26.06	9.65	35.71	58.18	-22.47	QP	line1	
4	0.385	22.18	9.65	31.83	48.18	-16.35	Average	line1	
5	0.739	1.32	9.66	10.98	56.00	-45.02	QP	line1	
6	0.739	-3.28	9.66	6.38	46.00	-39.62	Average	line1	
7	3.829	7.13	9.70	16.83	56.00	-39.17	QP	line1	
8	3.829	-0.14	9.70	9.56	46.00	-36.44	Average	line1	
9	7.357	11.60	9.74	21.34	60.00	-38.66	QP	line1	
10	7.357	3.09	9.74	12.83	50.00	-37.17	Average	line1	
11	20.235	11.69	9.74	21.43	60.00	-38.57	QP	line1	
12	20.235	6.18	9.74	15.92	50.00	-34.08	Average	line1	



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Trace: 1

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.387	30.49	9.66	40.15	58.13	-17.98	QP	neutral	
2	0.387	26.87	9.66	36.53	48.13	-11.60	Average	neutral	
3	0.769	10.68	9.68	20.36	56.00	-35.64	QP	neutral	
4	0.769	7.56	9.68	17.24	46.00	-28.76	Average	neutral	
5	2.373	8.09	9.70	17.79	56.00	-38.21	QP	neutral	
6	2.373	-0.23	9.70	9.47	46.00	-36.53	Average	neutral	
7	4.447	12.79	9.73	22.52	56.00	-33.48	QP	neutral	
8	4.447	5.36	9.73	15.09	46.00	-30.91	Average	neutral	
9	7.468	11.95	9.76	21.71	60.00	-38.29	QP	neutral	
10	7.468	4.62	9.76	14.38	50.00	-35.62	Average	neutral	
11	19.935	21.49	9.83	31.32	60.00	-28.68	QP	neutral	
12	19.935	16.06	9.83	25.89	50.00	-24.11	Average	neutral	

Test Results of Radiated Emissions & Mains Conducted Emission

Test_MS K32WT-M13

Band Edges, 2.31GHz ~ 2.9GHz

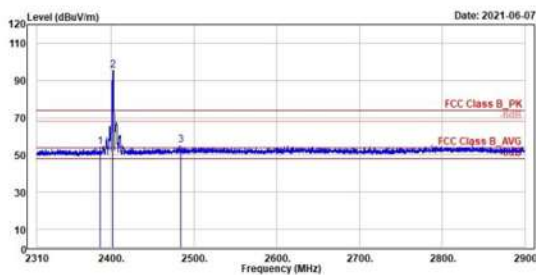
BLE_1M

Channel 0 (Horizontal) Peak

Channel 0 (Vertical) Peak



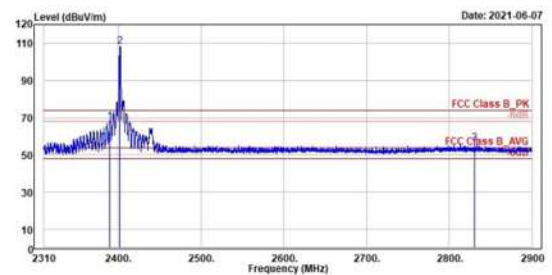
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.70	54.44	17.14	37.30	74.00	-19.56	179	117	Peak	Horizontal		
2 *	2402.00	95.41	58.09	37.32	74.00	21.41	179	117	Peak	Horizontal		
3	2483.50	55.20	17.49	37.71	74.00	-18.80	179	117	Peak	Horizontal		



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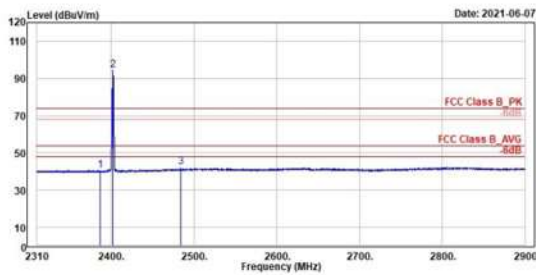


Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2390.00	67.32	30.02	37.30	74.00	-6.68	130	169	Peak	Vertical		
2 *	2402.00	100.23	70.91	37.32	74.00	26.23	130	169	Peak	Vertical		
3	2831.21	56.09	17.88	38.21	74.00	-17.91	130	169	Peak	Vertical		

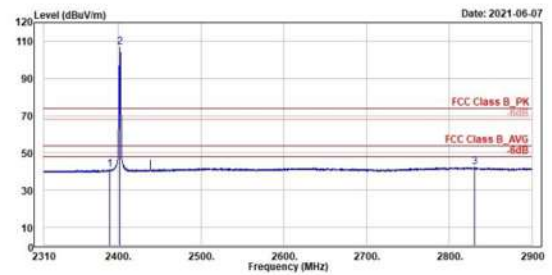
BLE_1M

Channel 0 (Horizontal) Average

Channel 0 (Vertical) Average



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.70	40.71	3.41	37.30	54.00	-13.29	179	117	Average	Horizontal	
2 *	2402.00	94.22	50.99	37.32	54.00	40.22	179	117	Average	Horizontal	
3	2483.50	42.24	4.53	37.71	54.00	-11.76	179	117	Average	Horizontal	



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2390.00	40.89	3.59	37.30	54.00	-13.11	130	169	Average	Vertical	
2 *	2402.00	100.98	69.66	37.32	54.00	52.98	130	169	Average	Vertical	
3	2831.21	42.33	4.12	38.21	54.00	-11.67	130	169	Average	Vertical	

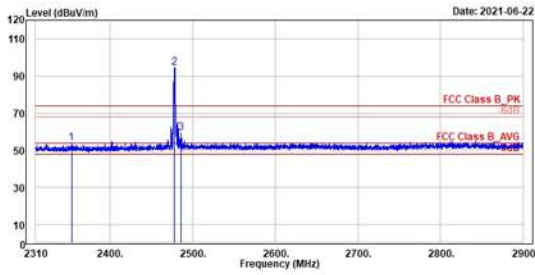
BLE_1M

Channel 38 (Horizontal) Peak

Channel 38 (Vertical) Peak



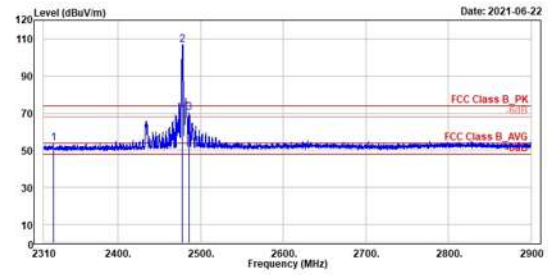
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2353.11	53.64	16.38	37.26	74.00	-20.36	314	288	Peak	Horizontal		
2 *	2478.00	94.34	56.67	37.67	74.00	20.34	314	288	Peak	Horizontal		
3	2486.09	59.44	21.71	37.73	74.00	-14.56	314	288	Peak	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2322.01	53.83	16.78	37.05	74.00	-20.17	126	167	Peak	Vertical		
2 *	2478.00	106.00	69.13	37.67	74.00	32.00	126	167	Peak	Vertical		
3 †	2485.98	70.19	32.46	37.73	74.00	-3.81	126	167	Peak	Vertical		

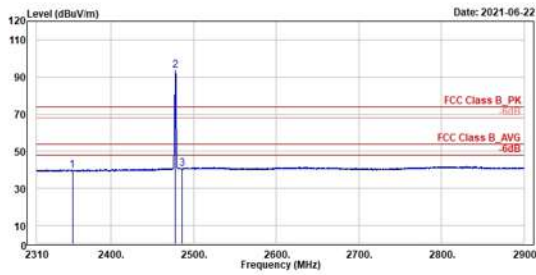
BLE_1M

Channel 38 (Horizontal) Average

Channel 38 (Vertical) Average



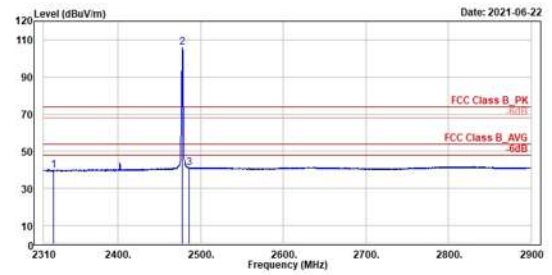
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2353.11	39.59	2.33	37.26	54.00	-14.41	314	280	Average	Horizontal	
2 *	2478.00	95.44	55.77	37.67	54.00	39.44	314	280	Average	Horizontal	
3	2486.09	40.53	2.80	37.73	54.00	-13.47	314	280	Average	Horizontal	



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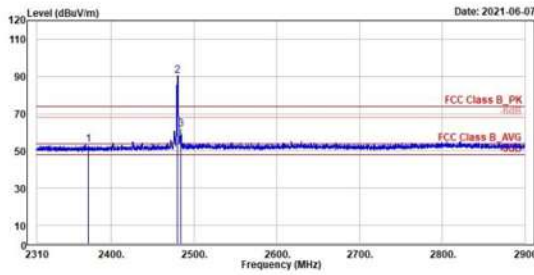


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2322.01	39.66	2.61	37.05	54.00	-14.34	126	167	Average	Vertical	
2 *	2478.00	105.72	68.05	37.67	54.00	51.72	126	167	Average	Vertical	
3	2485.98	40.99	3.26	37.73	54.00	-13.01	126	167	Average	Vertical	

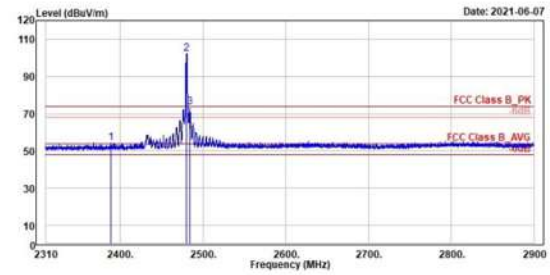
BLE_1M

Channel 39 (Horizontal) Peak

Channel 39 (Vertical) Peak



Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2372.54	53.58	16.38	37.28	74.00	+20.42	100	272	Peak	Horizontal		
2 *	2480.00	90.46	52.77	37.69	74.00	16.46	100	272	Peak	Horizontal		
3	2484.05	61.50	23.79	37.71	74.00	-12.50	100	272	Peak	Horizontal		



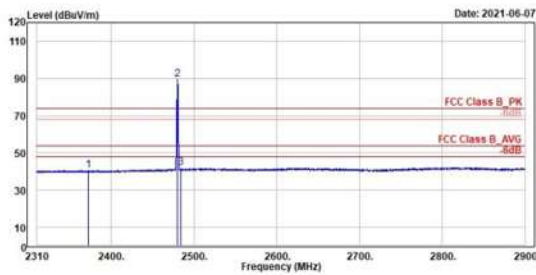
Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2380.35	54.12	16.82	37.30	74.00	-19.88	127	173	Peak	Vertical		
2 *	2480.00	102.34	64.65	37.69	74.00	28.34	127	173	Peak	Vertical		
3	2484.05	73.54	35.83	37.71	74.00	-0.46	166	166	Peak	Vertical		

BLE_1M

Channel 39 (Horizontal) Average



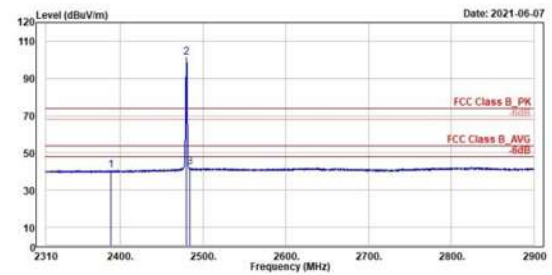
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2372.54	48.69	3.32	37.28	74.00	-33.40	100	272	Peak	Horizontal	
2 *	2488.00	89.24	51.55	37.69	74.00	15.24	100	272	Peak	Horizontal	
3	2484.05	42.19	4.48	37.71	74.00	-31.81	100	272	Peak	Horizontal	



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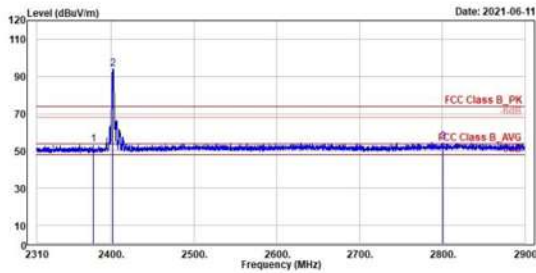
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2388.35	49.72	3.42	37.30	54.00	-13.28	127	173	Average	Vertical	
2 *	2488.00	101.11	63.42	37.69	54.00	47.11	127	173	Average	Vertical	
3	2484.05	42.36	4.65	37.71	54.00	-11.64	166	166	Average	Vertical	

BLE_2M

Channel 0 (Horizontal) Peak



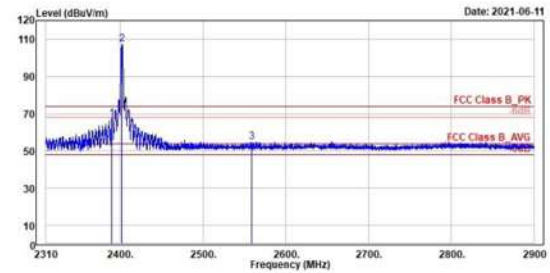
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2378.20	53.35	16.06	37.29	74.00	-20.65	335	134 Peak		Horizontal		
2 *	2402.00	94.09	50.77	37.32	74.00	-20.09	335	134 Peak		Horizontal		
3	2801.00	54.77	16.59	38.18	74.00	-19.23	335	134 Peak		Horizontal		



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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2398.00	67.01	29.71	37.30	74.00	-6.99	100	172 Peak		Vertical		
2 *	2402.00	107.02	69.78	37.32	74.00	-35.02	100	172 Peak		Vertical		
3	2558.51	54.91	17.01	37.90	74.00	-19.09	100	172 Peak		Vertical		

	Freq	Level	Head Level	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	Hz	dBu/m	dBu	dB/m	dBu/m	dB	cm	deg		
1	2390.00	42.01	4.71	37.30	74.00	-31.99	100	172 Peak	Vertical	
2 *	2402.00	105.05	67.73	37.32	54.00	51.05	100	172 Average	Vertical	
3	2550.51	43.25	5.35	37.90	74.00	-30.75	100	172 Peak	Vertical	

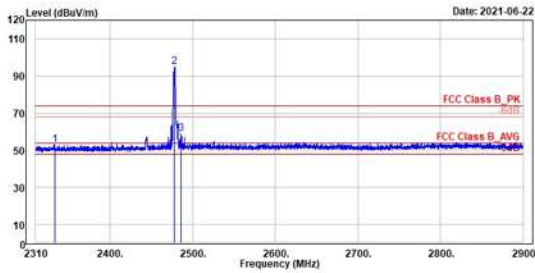
BLE_2M

Channel 38 (Horizontal) Peak

Channel 38 (Vertical) Peak



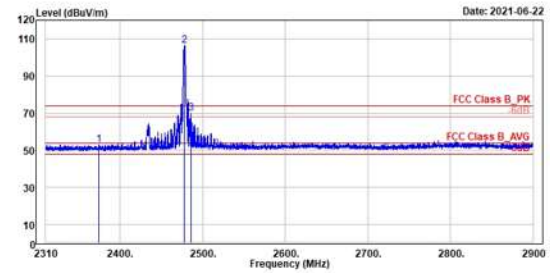
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2333.44	53.14	16.00	37.14	74.00	-20.86	285	275	Peak	Horizontal		
2 *	2478.00	94.72	57.05	37.67	74.00	-20.72	285	275	Peak	Horizontal		
3	2485.98	58.95	21.22	37.73	74.00	-15.05	285	275	Peak	Horizontal		



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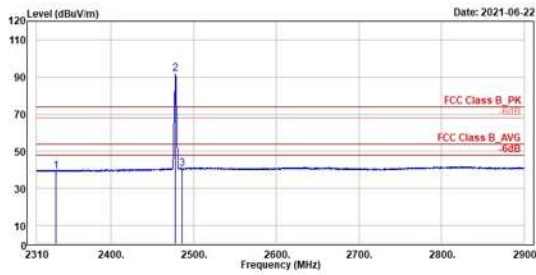
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2374.19	53.14	15.06	37.28	74.00	-20.86	126	167	Peak	Vertical		
2 *	2478.00	100.46	68.79	37.67	74.00	-32.46	126	167	Peak	Vertical		
3 †	2486.21	69.81	32.08	37.73	74.00	-4.19	126	167	Peak	Vertical		

BLE_2M

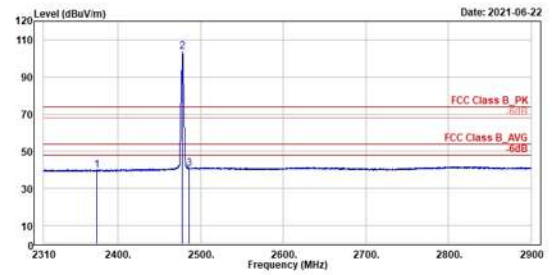
Channel 38 (Horizontal) Average



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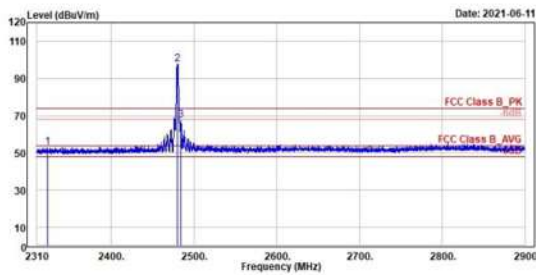
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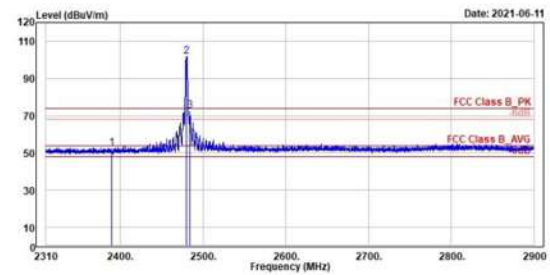
BLE_2M

Channel 39 (Horizontal) Peak

Channel 39 (Vertical) Peak



Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2323.10	53.12	16.06	37.06	74.00	-20.88	185	233	Peak	Vertical		
2 *	2480.00	97.74	60.05	37.69	74.00	23.74	185	233	Peak	Vertical		
3	2483.81	67.70	29.99	37.71	74.00	-6.30	185	233	Peak	Vertical		

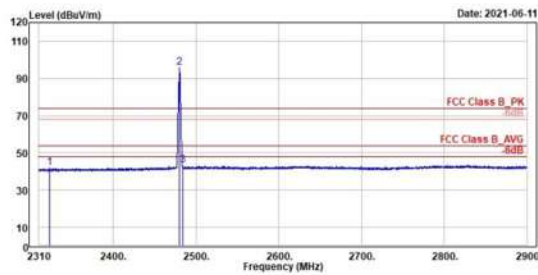


Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.41	52.51	15.21	37.30	74.00	-21.49	100	112	Peak	Vertical		
2 *	2480.00	101.64	63.95	37.69	74.00	27.64	100	112	Peak	Vertical		
3	2484.17	72.58	34.86	37.72	74.00	-1.42	110	111	Peak	Vertical		

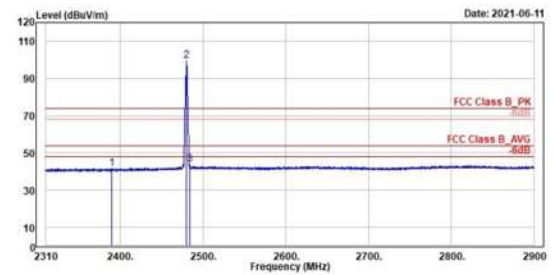
BLE_2M

Channel 39 (Horizontal) Average

Channel 39 (Vertical) Average



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2323.10	41.77	4.71	37.06	54.00	-12.23	185	233	Average	Vertical	
2 *	2480.00	95.69	58.00	37.69	54.00	41.69	185	233	Average	Vertical	
3	2483.81	43.36	5.65	37.71	54.00	-10.64	185	233	Average	Vertical	



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.41	41.57	4.27	37.30	54.00	-12.43	100	112	Average	Vertical	
2 *	2480.00	99.66	61.97	37.69	54.00	45.66	100	112	Average	Vertical	
3	2484.17	44.00	6.28	37.72	54.00	-10.00	110	111	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

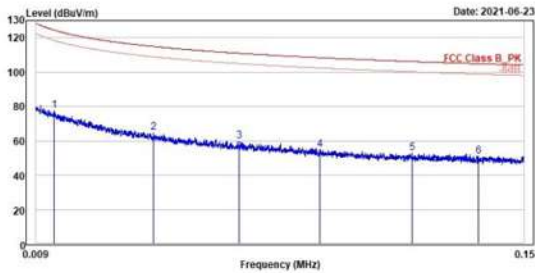
BLE_1M

Channel 39 (Open) 9kHz~150kHz

Channel 39 (Open) 150kHz~30MHz



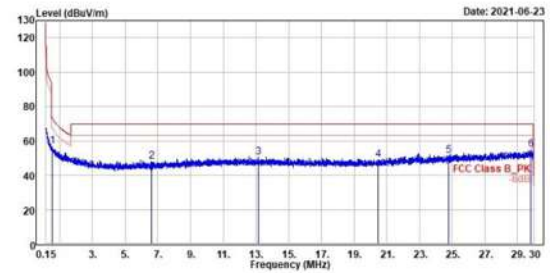
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	77.56	2.59	74.97	124.45	-46.89	100	116	QP	Open	
2	0.04	64.93	-0.68	65.61	114.93	-50.00	100	332	QP	Open	
3	0.07	59.84	-1.63	61.47	110.98	-51.14	100	292	QP	Open	
4	0.09	55.08	-3.38	58.46	108.40	-53.32	100	276	QP	Open	
5	0.12	52.96	-3.50	56.46	106.18	-53.22	100	288	QP	Open	
6	0.14	50.84	-4.79	55.63	104.87	-54.03	100	241	QP	Open	



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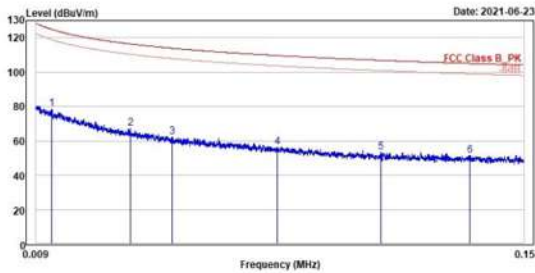
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.54	56.68	12.03	44.65	72.99	-16.31	100	151	QP	Open	
2	6.62	47.99	11.02	36.97	69.50	-22.51	100	239	QP	Open	
3	13.17	50.24	12.16	38.08	69.50	-19.26	100	147	QP	Open	
4	20.47	48.92	11.09	37.83	69.50	-20.58	100	178	QP	Open	
5	24.78	51.60	11.73	39.87	69.50	-17.90	100	186	QP	Open	
6	29.81	54.91	12.65	42.26	69.50	-14.59	100	67	QP	Open	

BLE_1M

Channel 39 (Close) 9kHz~150kHz



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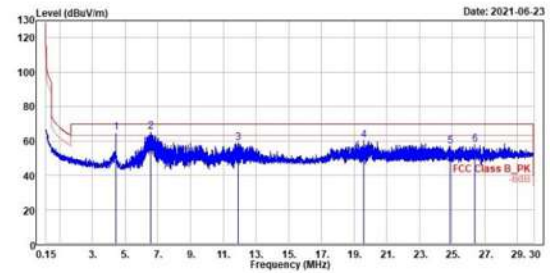


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	78.35	3.10	75.25	124.89	-46.54	100	42 QP	Close		
2	0.04	67.30	0.13	67.17	116.40	-49.10	100	215 QP	Close		
3	0.05	62.48	-1.71	64.19	113.89	-51.41	100	58 QP	Close		
4	0.08	56.54	-3.48	60.02	109.67	-53.13	100	256 QP	Close		
5	0.11	53.43	-3.41	56.84	106.87	-53.44	100	258 QP	Close		
6	0.13	51.51	-4.22	55.73	105.02	-53.51	100	150 QP	Close		

Channel 39 (Close) 150kHz~30MHz



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4.43	64.78	28.18	36.52	69.50	-4.80	100	26 QP	Close		
2	6.55	65.18	28.23	36.95	69.50	-4.32	100	260 QP	Close		
3	11.93	58.99	20.82	38.17	69.50	-10.51	100	0 QP	Close		
4	19.58	60.31	22.68	37.63	69.50	-9.19	100	35 QP	Close		
5	24.89	57.03	17.11	39.92	69.50	-12.47	100	50 QP	Close		
6	26.40	57.97	17.32	40.65	69.50	-11.53	100	219 QP	Close		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

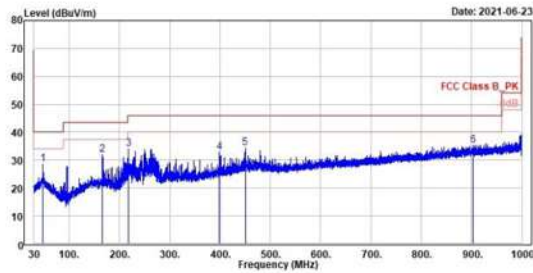
BLE_1M

Channel 39 (Horizontal)

Channel 39 (Vertical)



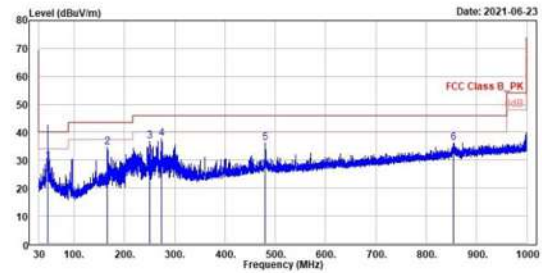
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	47.75	28.46	34.18	-5.72	40.00	-11.54	200	100	QP	Horizontal		
2	166.58	32.82	37.88	-5.06	43.50	-11.48	300	324	QP	Horizontal		
3	218.67	34.06	41.95	-7.89	46.00	-11.94	200	147	QP	Horizontal		
4	398.58	32.73	35.59	-2.86	46.00	-13.27	200	188	QP	Horizontal		
5	450.11	34.31	36.27	-1.96	46.00	-11.69	100	196	QP	Horizontal		
6	902.52	35.22	36.27	4.95	46.00	-10.78	200	188	QP	Horizontal		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	48.04	29.58	35.33	-5.75	40.00	-10.42	100	255	QP	Vertical		
2	166.58	34.78	40.56	-5.78	43.50	-8.72	100	74	QP	Vertical		
3	250.77	36.70	43.08	-6.38	46.00	-9.30	100	293	QP	Vertical		
4	274.34	37.78	43.21	-5.43	46.00	-8.22	100	230	QP	Vertical		
5	480.08	36.07	37.77	-1.70	46.00	-9.93	100	63	QP	Vertical		
6	854.79	36.35	32.20	4.15	46.00	-9.85	100	140	QP	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

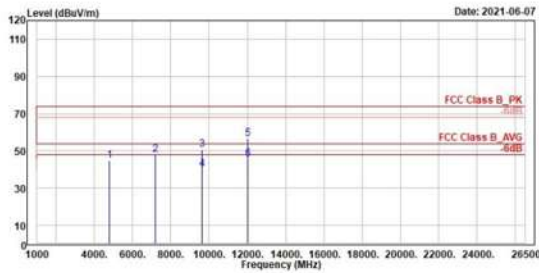
BLE_1M

Channel 0 (Horizontal)

Channel 0 (Vertical)



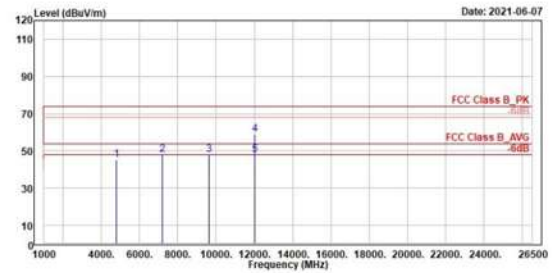
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	44.86	54.27	-9.41	74.00	-29.14	100	112	Peak	Horizontal	
2	7206.00	47.73	54.37	-6.64	75.41	-27.68	400	2	Peak	Horizontal	
3	9608.00	50.66	54.61	-3.95	75.41	-24.75	381	84	Peak	Horizontal	
4	9608.00	40.19	44.14	-3.95	74.22	-34.03	400	83	Average	Horizontal	
5	12010.00	56.47	56.07	0.40	74.00	-17.53	368	360	Peak	Horizontal	
6	12010.00	45.42	45.02	0.40	54.00	-8.58	400	360	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	45.35	54.76	-9.41	74.00	-28.65	100	63	Peak	Vertical	
2	7206.00	47.94	54.58	-6.64	80.23	-40.29	400	342	Peak	Vertical	
3	9608.00	47.99	51.94	-3.95	80.23	-40.24	100	312	Peak	Vertical	
4	12010.00	59.03	58.63	0.40	74.00	-14.97	100	60	Peak	Vertical	
5	12010.00	47.70	47.30	0.40	54.00	-6.30	100	60	Average	Vertical	

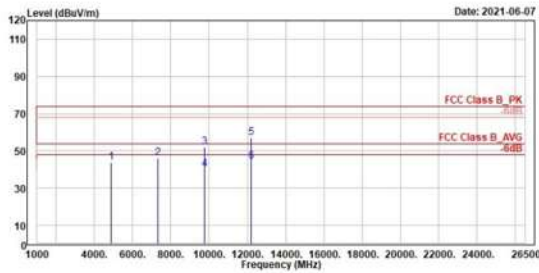
BLE_1M

Channel 19 (Horizontal)

Channel 19 (Vertical)



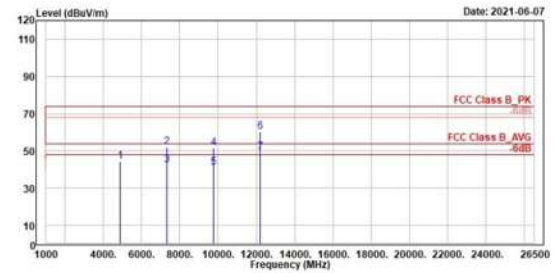
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	44.03	53.39	-9.36	74.00	-29.97	180	64	Peak	Horizontal	
2	7320.00	46.29	52.92	-6.63	74.00	-27.71	400	28	Peak	Horizontal	
3	9760.00	51.79	55.34	-3.55	74.99	-23.20	400	261	Peak	Horizontal	
4	9760.00	40.10	43.65	-3.55	73.80	-33.70	400	261	Average	Horizontal	
5	12200.00	57.07	56.19	0.88	74.00	-16.93	221	358	Peak	Horizontal	
6	12200.00	44.45	43.60	0.88	54.00	-9.52	221	358	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.00	44.16	53.52	-9.36	74.00	-29.84	300	249	Peak	Vertical	
2	7320.00	52.16	58.79	-6.63	74.00	-21.84	374	10	Peak	Vertical	
3	7320.00	42.36	48.99	-6.63	54.00	-11.64	374	10	Average	Vertical	
4	9760.00	51.71	55.26	-3.55	80.16	-36.45	100	63	Peak	Vertical	
5	9760.00	41.23	44.78	-3.55	86.90	-45.67	100	63	Average	Vertical	
6	12200.00	60.18	59.30	0.88	74.00	-13.82	400	174	Peak	Vertical	
7	12200.00	49.08	48.20	0.88	54.00	-4.92	400	174	Average	Vertical	

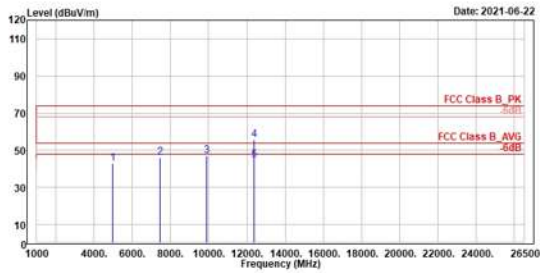
BLE_1M

Channel 38 (Horizontal)

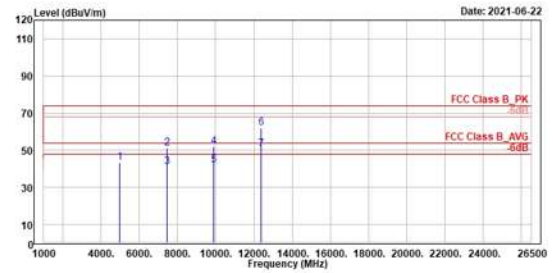
Channel 38 (Vertical)



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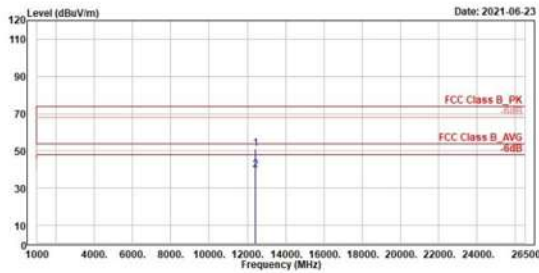
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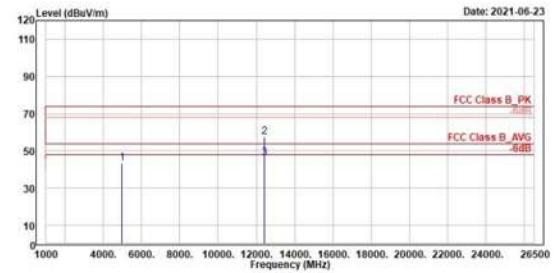
BLE_1M

Channel 39 (Horizontal)

Channel 39 (Vertical)



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 12400.00	51.00	49.92	1.08	74.00	-23.00	301	360	Peak	Horizontal		
2 12400.00	39.56	38.48	1.08	54.00	-14.44	301	360	Average	Horizontal		



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 4960.00	43.25	52.52	-9.27	74.00	-30.75	300	284	Peak	Vertical		
2 12400.00	57.35	56.27	1.08	74.00	-16.65	200	42	Peak	Vertical		
3 12400.00	45.93	44.85	1.08	54.00	-8.07	200	42	Average	Vertical		

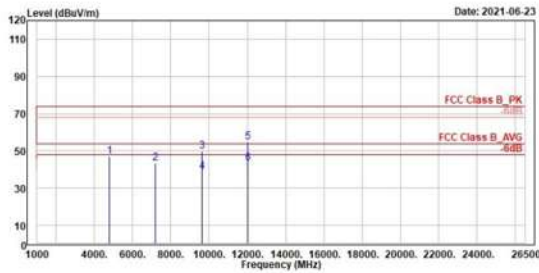
BLE_2M

Channel 0 (Horizontal)

Channel 0 (Vertical)



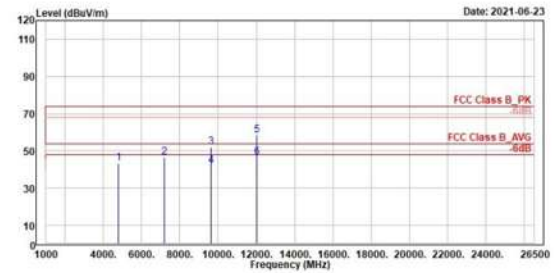
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	47.18	56.59	-9.41	74.00	-26.82	280	101	Peak	Horizontal	
2	7206.00	43.36	50.00	-6.64	74.00	-30.73	400	300	Peak	Horizontal	
3	9608.00	49.81	53.76	-3.95	74.00	-24.28	112	24	Peak	Horizontal	
4	9608.00	38.93	42.88	-3.95	71.98	-33.05	112	24	Average	Horizontal	
5	12010.00	54.79	54.39	0.40	74.00	-19.21	356	0	Peak	Horizontal	
6	12010.00	43.52	43.12	0.40	54.00	-10.48	356	0	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	43.25	52.66	-9.41	74.00	-30.75	100	88	Peak	Vertical	
2	7206.00	40.43	53.07	-6.64	87.02	-46.59	400	360	Peak	Vertical	
3	9608.00	52.24	56.19	-3.95	87.02	-34.78	102	298	Peak	Vertical	
4	9608.00	41.77	45.72	-3.95	85.05	-43.28	102	298	Average	Vertical	
5	12010.00	58.41	58.01	0.40	74.00	-15.59	100	112	Peak	Vertical	
6	12010.00	46.73	46.33	0.40	54.00	-7.27	100	112	Average	Vertical	

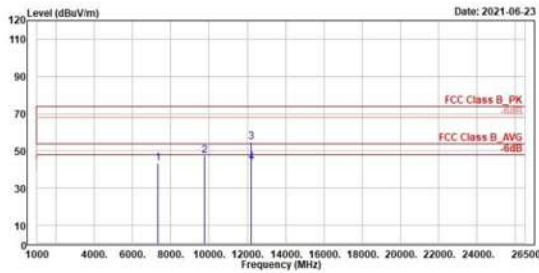
BLE_2M

Channel 19 (Horizontal)

Channel 19 (Vertical)



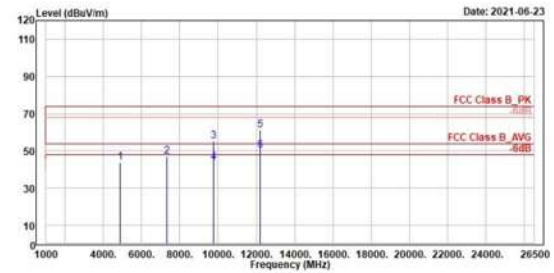
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	7320.00	43.52	50.15	-6.63	74.00	-30.48	100	306	Peak	Horizontal	
2	9760.00	47.47	51.02	-3.55	74.34	-26.87	275	0	Peak	Horizontal	
3	12200.00	54.93	54.05	0.88	74.00	-19.07	283	360	Peak	Horizontal	
4	12200.00	43.72	42.84	0.88	54.00	-10.28	283	360	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4800.00	43.05	53.21	-9.36	74.00	-30.15	100	279	Peak	Vertical	
2	7320.00	47.00	53.63	-6.63	74.00	-27.00	366	360	Peak	Vertical	
3	9760.00	55.02	58.57	-3.55	87.07	-32.05	278	292	Peak	Vertical	
4	9760.00	43.58	47.13	-3.55	85.15	-41.57	278	292	Average	Vertical	
5	12200.00	61.06	60.18	0.88	74.00	-12.94	353	214	Peak	Vertical	
6	12200.00	50.03	49.15	0.88	54.00	-5.97	353	214	Average	Vertical	

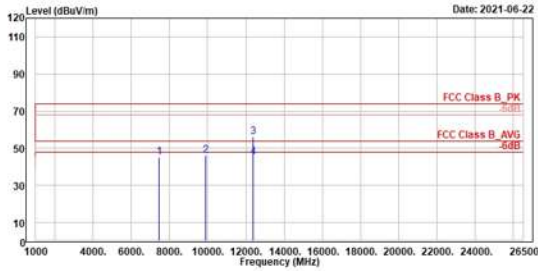
BLE_2M

Channel 38 (Horizontal)

Channel 38 (Vertical)



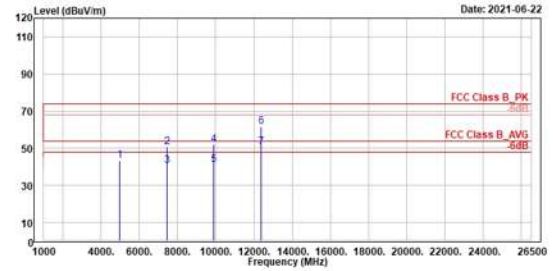
TÜV Rheinland Taiwan Ltd.
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7436.00	44.98	51.56	-6.58	74.00	-29.02	321	368 Peak	Horizontal	
2	9912.00	45.95	49.20	-3.25	74.72	-28.77	300	8 Peak	Horizontal	
3	12390.00	56.18	55.11	1.07	74.00	-17.82	400	109 Peak	Horizontal	
4	12390.00	45.28	44.21	1.07	54.00	-8.72	400	109 Average	Horizontal	



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4956.00	43.40	52.66	-9.26	74.00	-30.60	100	298 Peak	Vertical	
2	7434.00	50.75	57.33	-6.58	74.00	-23.25	300	48 Peak	Vertical	
3	7434.00	40.77	47.35	-6.58	54.00	-13.23	300	48 Average	Vertical	
4	9912.00	52.18	55.43	-3.25	86.46	-34.28	109	300 Peak	Vertical	
5	9912.00	41.18	44.43	-3.25	83.56	-42.38	109	300 Average	Vertical	
6	12390.00	61.69	60.61	1.07	74.00	-12.32	400	180 Peak	Vertical	
7	12390.00	50.74	49.67	1.07	54.00	-5.26	400	180 Average	Vertical	

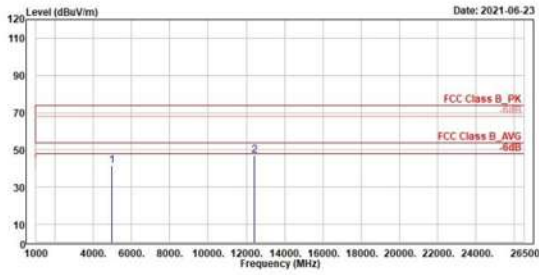
BLE_2M

Channel 39 (Horizontal)

Channel 39 (Vertical)



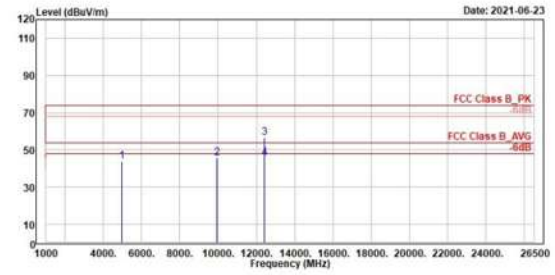
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	41.54	50.81	-9.27	74.00	-32.46	300	89	Peak	Horizontal	
2	12400.00	47.18	46.02	1.00	74.00	-26.90	312	360	Peak	Horizontal	



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	43.63	52.90	-9.27	74.00	-30.37	300	282	Peak	Vertical	
2	9920.00	45.40	46.64	-3.24	81.64	-36.24	100	321	Peak	Vertical	
3	12400.00	56.55	55.47	1.00	74.00	-17.45	199	40	Peak	Vertical	
4	12400.00	45.47	44.39	1.00	54.00	-8.53	199	40	Average	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

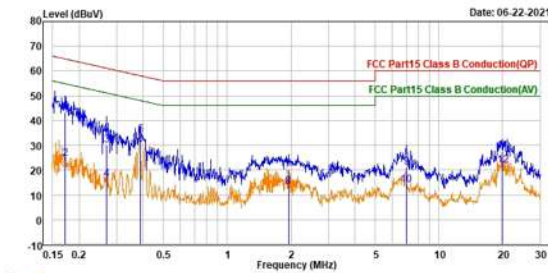
Worst Band

(Line)

(Neutral)



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