

ANTENNA NO.13 (RFA-25-KP010-4B-70)

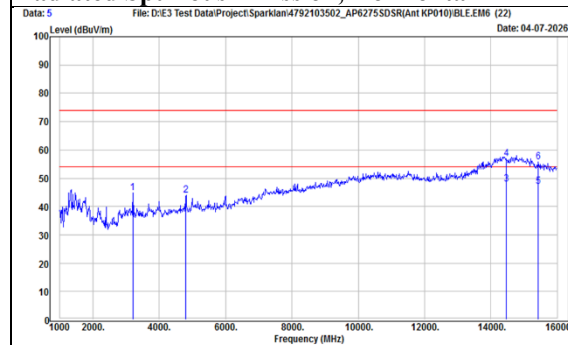
Above 1 GHz

Mode	BT-LE-1Mbps - Emission	Channel	0
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	44.71	0.12	44.83	74	-29.17	PK
	*	4804	39.87	4.22	44.09	74	-29.91	PK
		14470	28.9	27.97	56.87	74	-17.13	PK
		14470	19.88	27.97	47.85	54	-6.15	AVG
		15430	29.78	26.08	55.86	74	-18.14	PK
		15430	20.95	26.08	47.03	54	-6.97	AVG
	*	16814	34.54	5.41	39.95	74	-34.05	PK
	*	19216	35.35	3.58	38.93	74	-35.07	PK
	*	21618	33.99	6.16	40.15	74	-33.85	PK
Vertical		24020	33.35	10.74	44.09	74	-29.91	PK
		3205	46.42	0.12	46.54	74	-27.46	PK
	*	4804	42.15	4.22	46.37	74	-27.63	PK
		14470	29.12	27.97	57.09	74	-16.91	PK
		14470	19.64	27.97	47.61	54	-6.39	AVG
		15790	29.71	25.28	54.99	74	-19.01	PK
		15790	20.88	25.28	46.16	54	-7.84	AVG
	*	16814	34.27	5.41	39.68	74	-34.32	PK
	*	19216	36.11	3.58	39.69	74	-34.31	PK
	*	21618	33.6	6.16	39.76	74	-34.24	PK
	*	24020	33.44	10.74	44.18	74	-29.82	PK

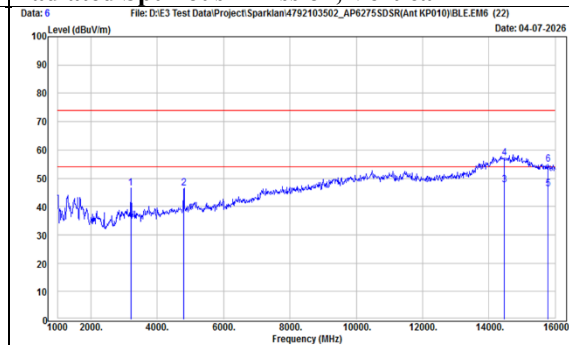
TX, BT-LE-1Mbps - Emission (Ch 0)

Radiated Spurious Emission, Horizontal



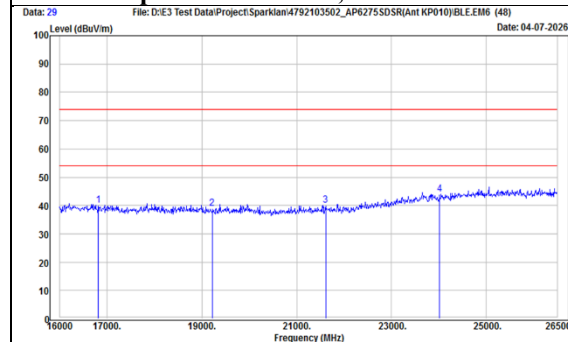
TX, BT-LE-1Mbps - Emission (Ch 0)

Radiated Spurious Emission, Vertical



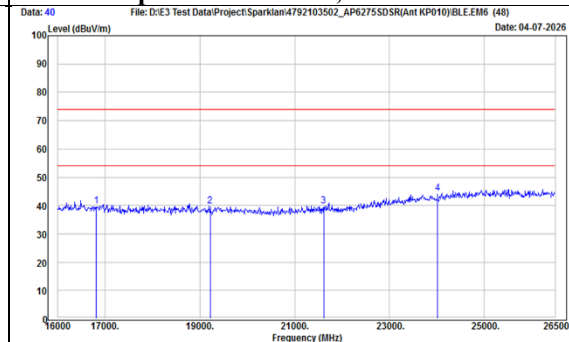
TX, BT-LE-1Mbps - Emission (Ch 0)

Radiated Spurious Emission, Horizontal



TX, BT-LE-1Mbps - Emission (Ch 0)

Radiated Spurious Emission, Vertical



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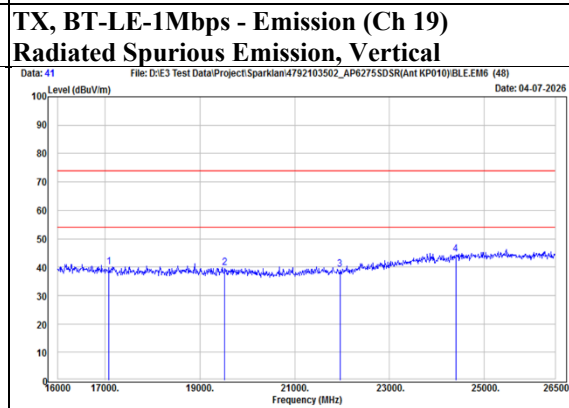
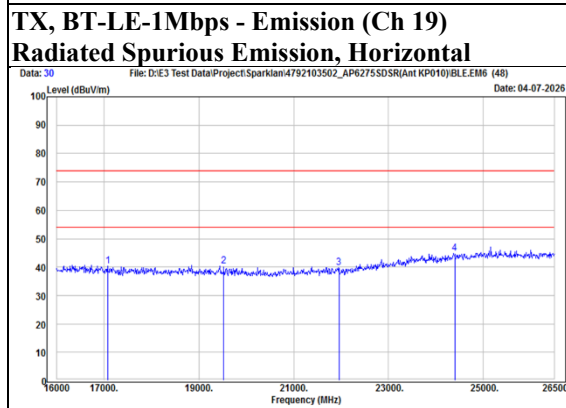
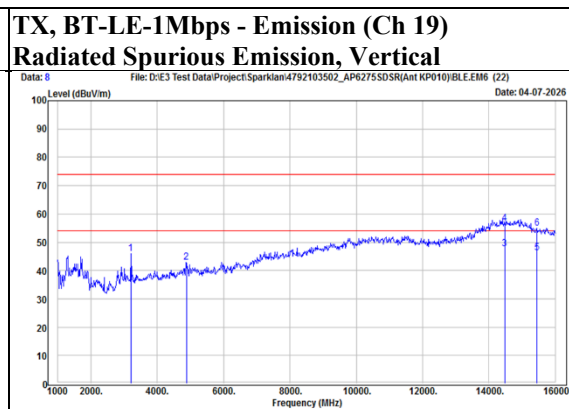
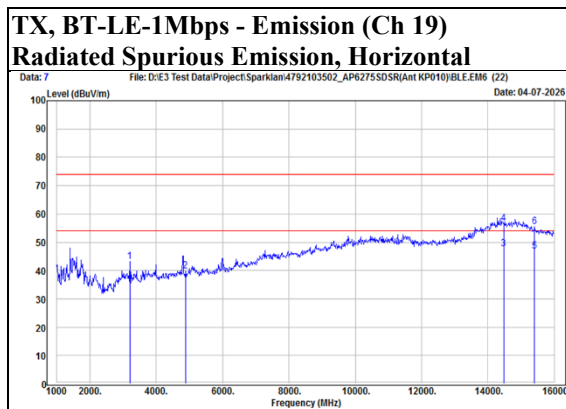
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Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 7.0

Mode	BT-LE-1Mbps - Emission	Channel	19
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	43.01	0.12	43.13	74	-30.87	PK
	*	4880	35.19	4.46	39.65	74	-34.35	PK
		14485	28.67	27.98	56.65	74	-17.35	PK
		14485	19.65	27.98	47.63	54	-6.37	AVG
		15415	29.47	26.1	55.57	74	-18.43	PK
		15415	20.64	26.1	46.74	54	-7.26	AVG
	*	17080	34.95	5.39	40.34	74	-33.66	PK
	*	19520	36.36	3.99	40.35	74	-33.65	PK
	*	21960	33.45	6.25	39.7	74	-34.3	PK
Vertical		3205	45.75	0.12	45.87	74	-28.13	PK
	*	4880	38.3	4.46	42.76	74	-31.24	PK
		14485	28.68	27.98	56.66	74	-17.34	PK
		14485	19.66	27.98	47.64	54	-6.36	AVG
		15460	29.01	26.02	55.03	74	-18.97	PK
		15460	20.18	26.02	46.2	54	-7.8	AVG
	*	17080	34.66	5.39	40.05	74	-33.95	PK
	*	19520	35.67	3.99	39.66	74	-34.34	PK
	*	21960	32.9	6.25	39.15	74	-34.85	PK
	*	24400	32.55	11.93	44.48	74	-29.52	PK



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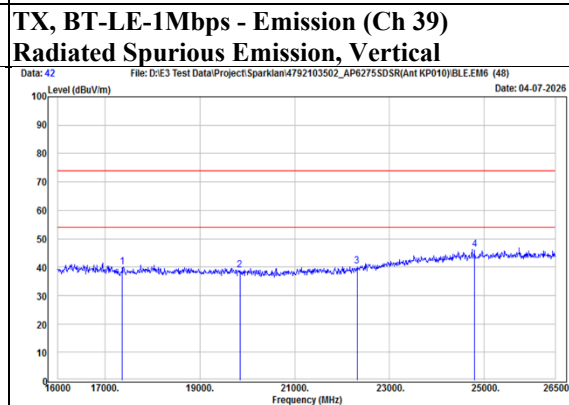
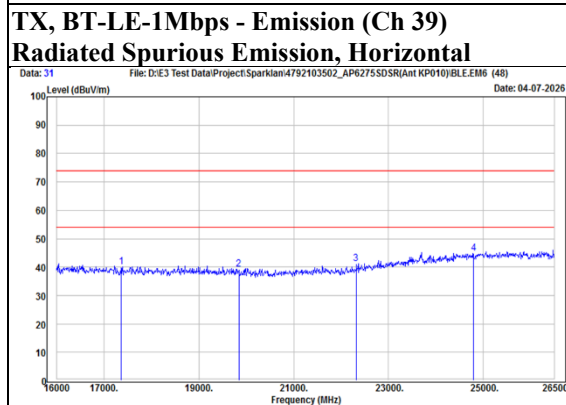
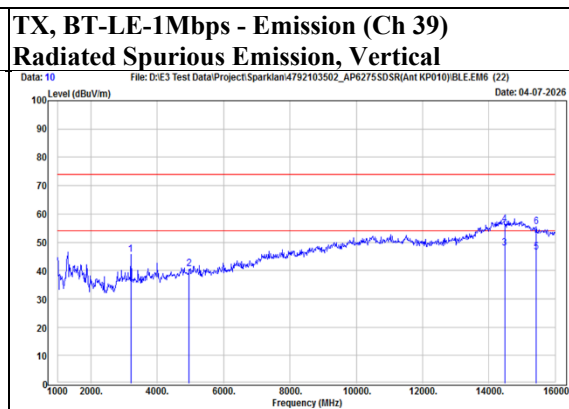
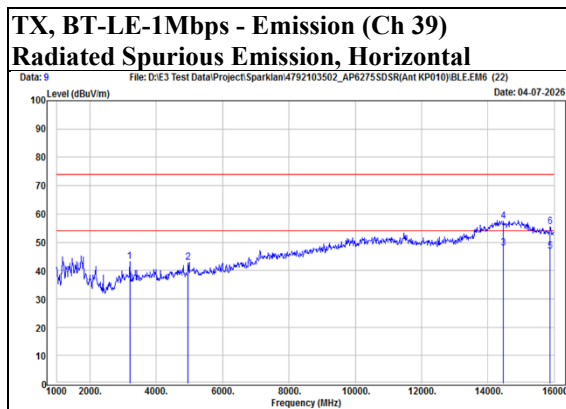
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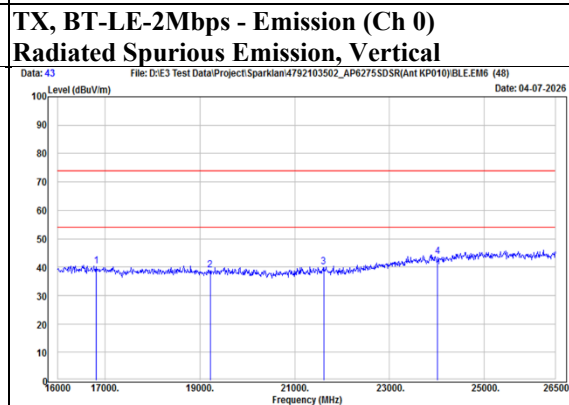
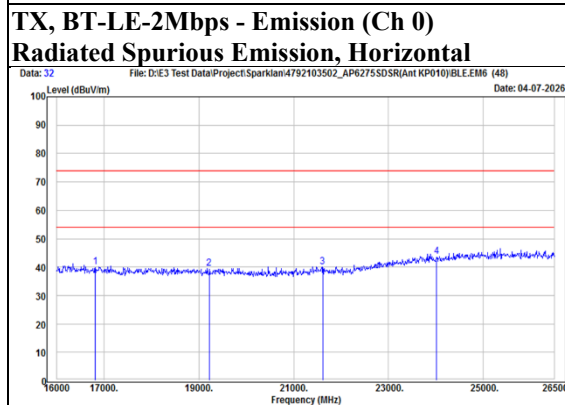
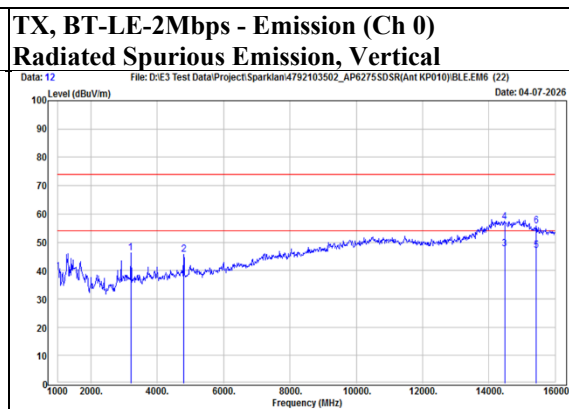
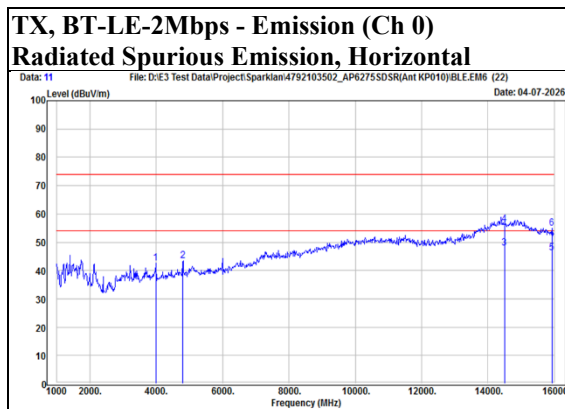
Mode	BT-LE-1Mbps - Emission	Channel	39
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	43.09	0.12	43.21	74	-30.79	PK
	*	4960	38.41	4.59	43	74	-31	PK
		14470	29.35	27.97	57.32	74	-16.68	PK
		14470	19.87	27.97	47.84	54	-6.16	AVG
		15880	30.53	25.06	55.59	74	-18.41	PK
		15880	21.7	25.06	46.76	54	-7.24	AVG
	*	17360	35.3	4.89	40.19	74	-33.81	PK
	*	19840	35.17	4.06	39.23	74	-34.77	PK
	*	22320	34.37	6.93	41.3	74	-32.7	PK
Vertical		3205	45.51	0.12	45.63	74	-28.37	PK
	*	4960	36.11	4.59	40.7	74	-33.3	PK
		14485	28.38	27.98	56.36	74	-17.64	PK
		14485	19.81	27.98	47.79	54	-6.21	AVG
		15430	29.38	26.08	55.46	74	-18.54	PK
		15430	20.55	26.08	46.63	54	-7.37	AVG
	*	17360	35.03	4.89	39.92	74	-34.08	PK
	*	19840	34.93	4.06	38.99	74	-35.01	PK
	*	22320	33.38	6.93	40.31	74	-33.69	PK
	*	24800	33.66	12.44	46.1	74	-27.9	PK



Mode	BT-LE-2Mbps - Emission	Channel	0
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3985	40.47	2.06	42.53	74	-31.47	PK
	*	4804	39.21	4.22	43.43	74	-30.57	PK
		14500	28.4	28	56.4	74	-17.6	PK
		14500	19.83	28	47.83	54	-6.17	AVG
		15940	29.98	24.94	54.92	74	-19.08	PK
		15940	21.15	24.94	46.09	54	-7.91	AVG
	*	16814	34.56	5.41	39.97	74	-34.03	PK
	*	19216	35.9	3.58	39.48	74	-34.52	PK
	*	21618	33.77	6.16	39.93	74	-34.07	PK
Vertical		24020	33.03	10.74	43.77	74	-30.23	PK
		3205	46.11	0.12	46.23	74	-27.77	PK
	*	4804	41.54	4.22	45.76	74	-28.24	PK
		14485	29.08	27.98	57.06	74	-16.94	PK
		14485	19.6	27.98	47.58	54	-6.42	AVG
		15430	29.72	26.08	55.8	74	-18.2	PK
		15430	20.89	26.08	46.97	54	-7.03	AVG
	*	16814	34.79	5.41	40.2	74	-33.8	PK
	*	19216	35.37	3.58	38.95	74	-35.05	PK
	*	21618	33.89	6.16	40.05	74	-33.95	PK
	*	24020	32.91	10.74	43.65	74	-30.35	PK



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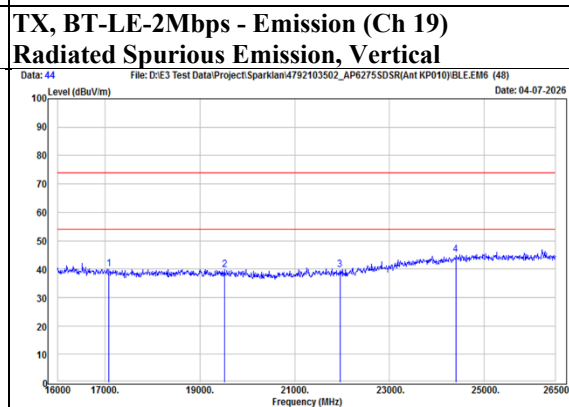
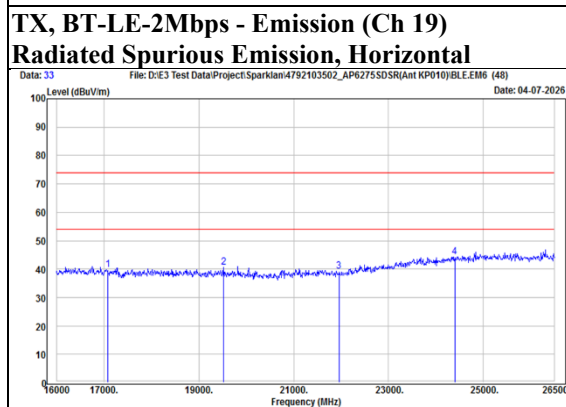
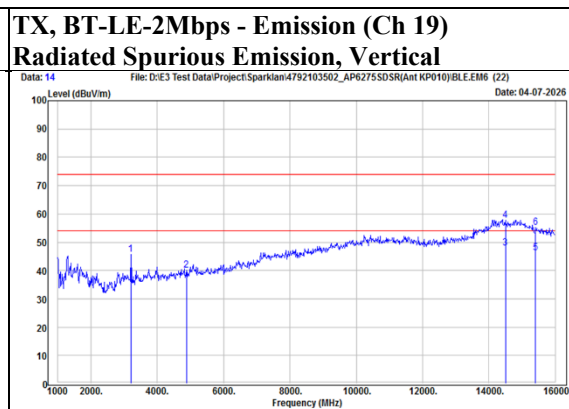
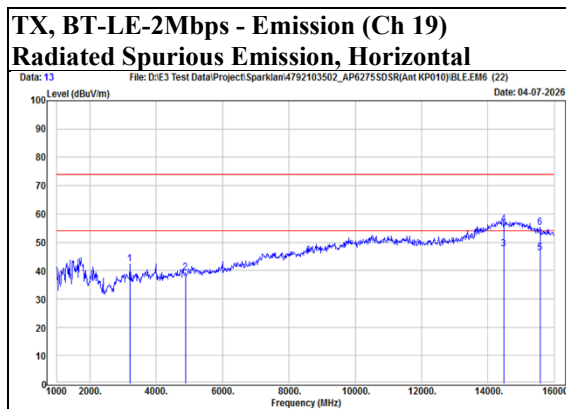
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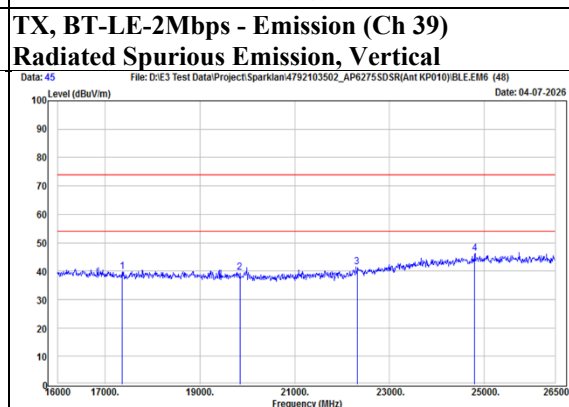
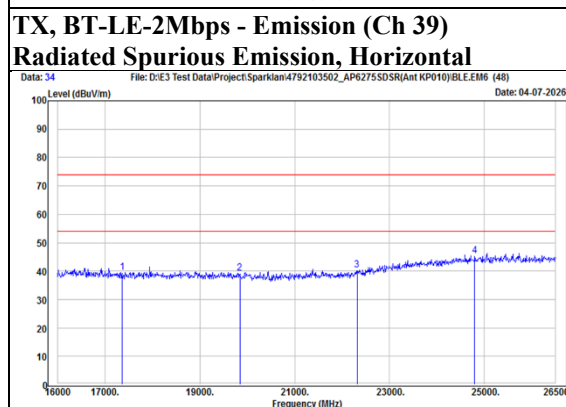
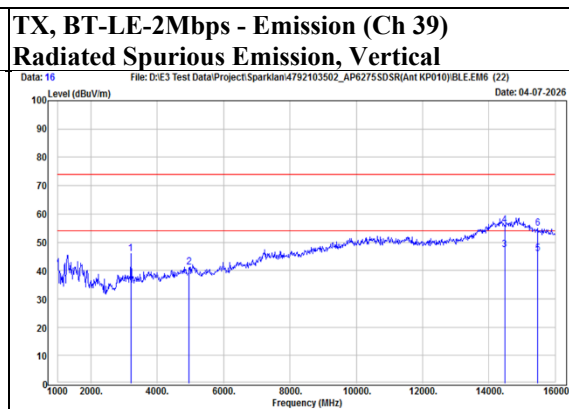
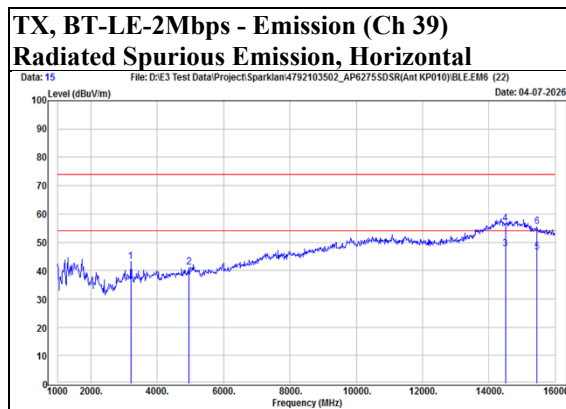
Mode	BT-LE-2Mbps - Emission	Channel	19
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	42.13	0.12	42.25	74	-31.75	PK
	*	4880	34.73	4.46	39.19	74	-34.81	PK
		14485	28.32	27.98	56.3	74	-17.7	PK
		14485	19.75	27.98	47.73	54	-6.27	AVG
		15580	29.5	25.57	55.07	74	-18.93	PK
		15580	20.67	25.57	46.24	54	-7.76	AVG
	*	17080	34.38	5.39	39.77	74	-34.23	PK
	*	19520	36.62	3.99	40.61	74	-33.39	PK
	*	21960	32.93	6.25	39.18	74	-34.82	PK
Vertical		3205	45.54	0.12	45.66	74	-28.34	PK
	*	4880	35.62	4.46	40.08	74	-33.92	PK
		14500	29.75	28	57.75	74	-16.25	PK
		14500	19.8	28	47.8	54	-6.2	AVG
		15415	29.04	26.1	55.14	74	-18.86	PK
		15415	20.21	26.1	46.31	54	-7.69	AVG
	*	17080	34.58	5.39	39.97	74	-34.03	PK
	*	19520	35.8	3.99	39.79	74	-34.21	PK
	*	21960	33.44	6.25	39.69	74	-34.31	PK
	*	24400	33.26	11.93	45.19	74	-28.81	PK



Mode	BT-LE-2Mbps - Emission	Channel	39
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	43.12	0.12	43.24	74	-30.76	PK
	*	4960	36.49	4.59	41.08	74	-32.92	PK
		14500	28.61	28	56.61	74	-17.39	PK
		14500	19.59	28	47.59	54	-6.41	AVG
		15460	29.34	26.02	55.36	74	-18.64	PK
		15460	20.51	26.02	46.53	54	-7.47	AVG
	*	17360	34.56	4.89	39.45	74	-34.55	PK
	*	19840	35.1	4.06	39.16	74	-34.84	PK
	*	22320	33.39	6.93	40.32	74	-33.68	PK
Vertical		3205	45.77	0.12	45.89	74	-28.11	PK
	*	4960	36.62	4.59	41.21	74	-32.79	PK
		14485	28.07	27.98	56.05	74	-17.95	PK
		14485	19.5	27.98	47.48	54	-6.52	AVG
		15475	28.85	25.98	54.83	74	-19.17	PK
		15475	20.02	25.98	46	54	-8	AVG
	*	17360	34.77	4.89	39.66	74	-34.34	PK
	*	19840	35.44	4.06	39.5	74	-34.5	PK
	*	22320	34.58	6.93	41.51	74	-32.49	PK
	*	24800	33.92	12.44	46.36	74	-27.64	PK



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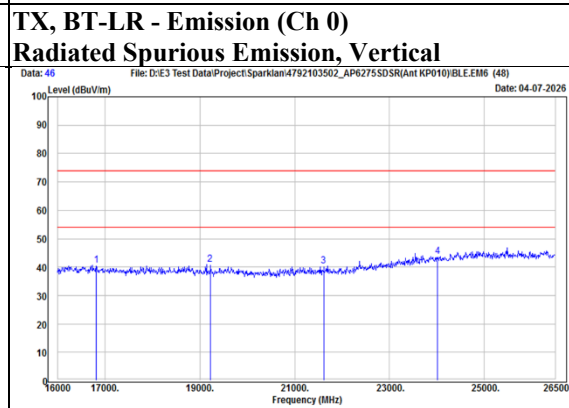
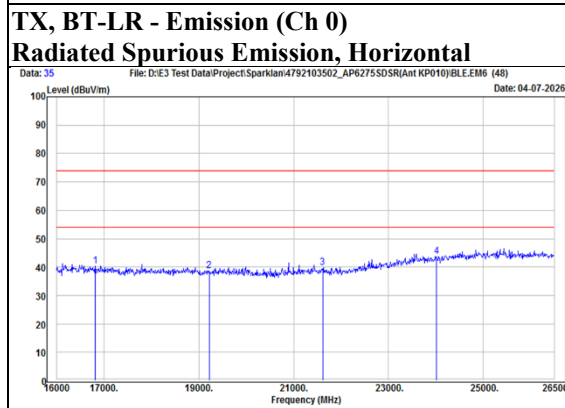
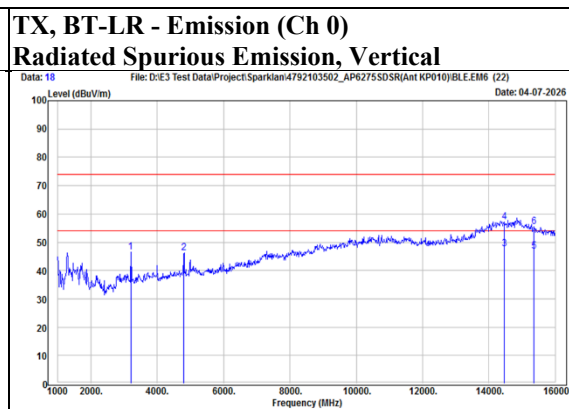
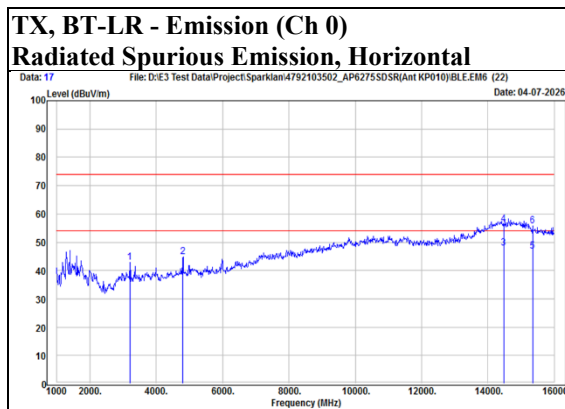
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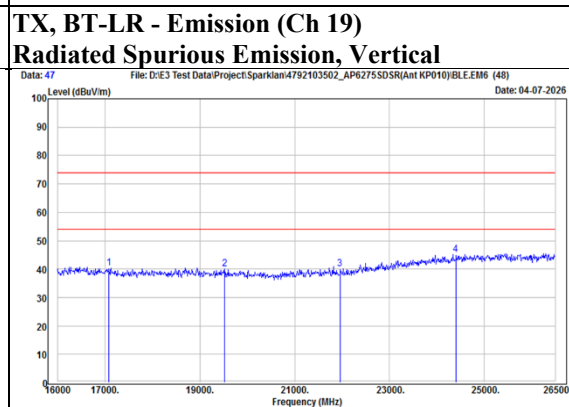
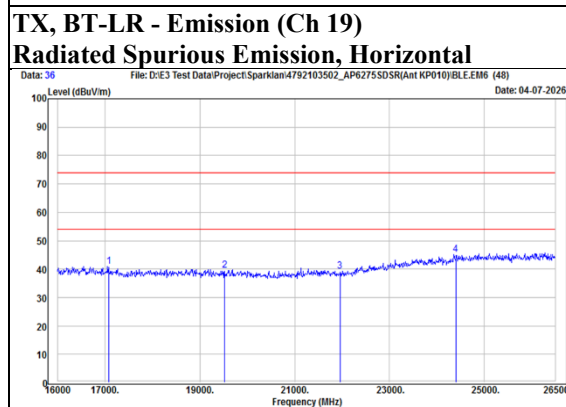
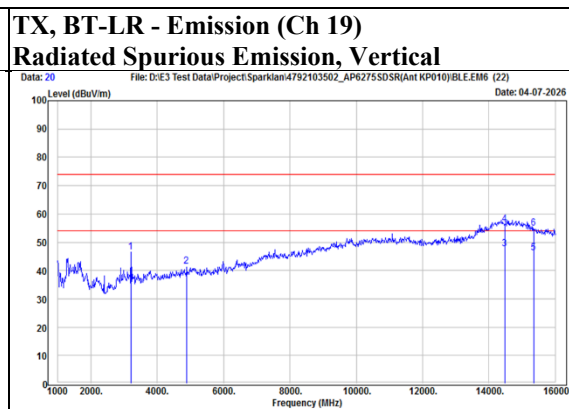
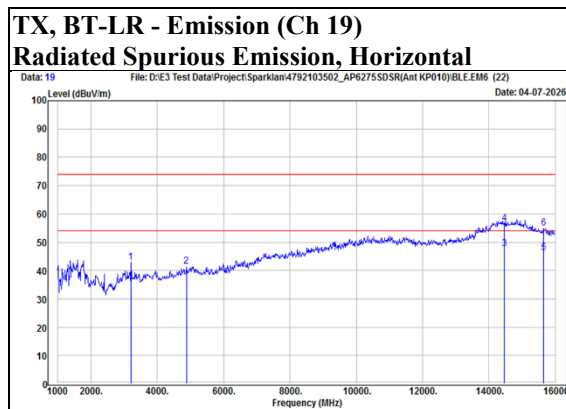
Mode	BT-LR - Emission	Channel	0
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	42.87	0.12	42.99	74	-31.01	PK
	*	4804	40.59	4.22	44.81	74	-29.19	PK
		14485	28.43	27.98	56.41	74	-17.59	PK
		14485	19.86	27.98	47.84	54	-6.16	AVG
		15355	29.34	26.36	55.7	74	-18.3	PK
		15355	20.51	26.36	46.87	54	-7.13	AVG
	*	16814	34.8	5.41	40.21	74	-33.79	PK
	*	19216	35.08	3.58	38.66	74	-35.34	PK
	*	21618	33.59	6.16	39.75	74	-34.25	PK
Vertical		3205	46.41	0.12	46.53	74	-27.47	PK
	*	4804	41.88	4.22	46.1	74	-27.9	PK
		14470	29.23	27.97	57.2	74	-16.8	PK
		14470	19.75	27.97	47.72	54	-6.28	AVG
		15370	29.27	26.29	55.56	74	-18.44	PK
		15370	20.44	26.29	46.73	54	-7.27	AVG
	*	16814	35.07	5.41	40.48	74	-33.52	PK
	*	19216	37.43	3.58	41.01	74	-32.99	PK
	*	21618	34.04	6.16	40.2	74	-33.8	PK
	*	24020	33.05	10.74	43.79	74	-30.21	PK



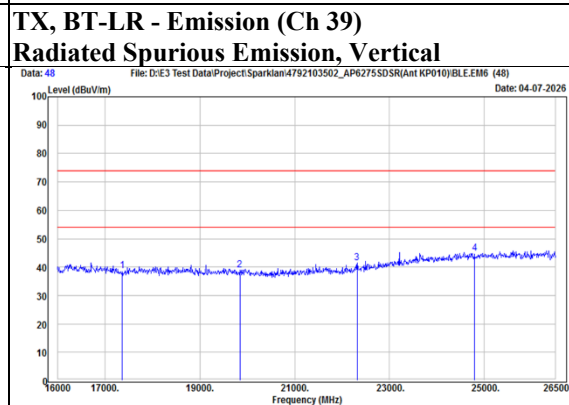
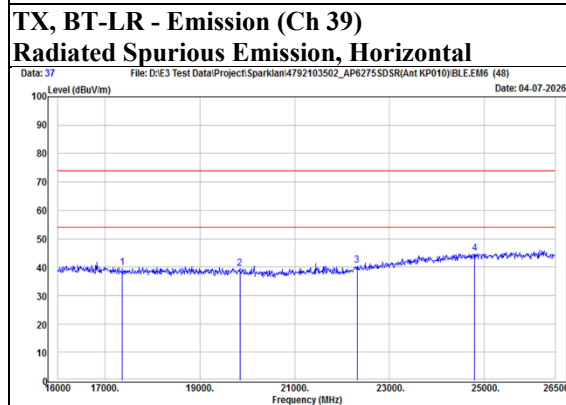
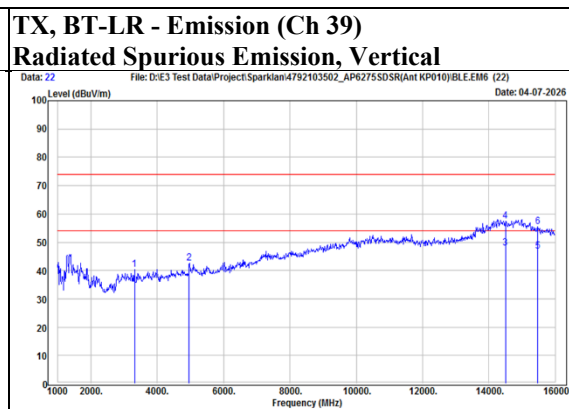
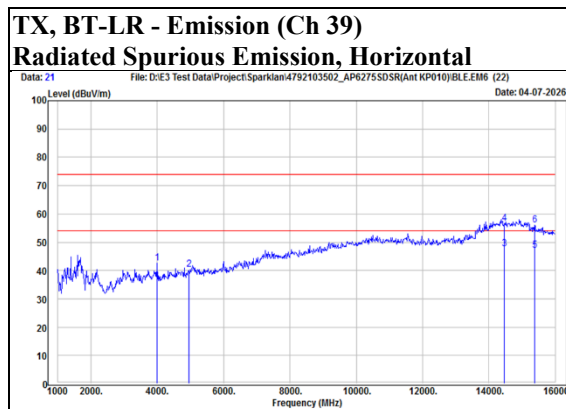
Mode	BT-LR - Emission	Channel	19
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		3205	42.63	0.12	42.75	74	-31.25	PK
	*	4880	36.99	4.46	41.45	74	-32.55	PK
		14470	28.74	27.97	56.71	74	-17.29	PK
		14470	19.72	27.97	47.69	54	-6.31	AVG
		15655	29.6	25.44	55.04	74	-18.96	PK
		15655	20.77	25.44	46.21	54	-7.79	AVG
	*	17080	35.48	5.39	40.87	74	-33.13	PK
	*	19520	35.53	3.99	39.52	74	-34.48	PK
	*	21960	33.07	6.25	39.32	74	-34.68	PK
Vertical		3205	46.35	0.12	46.47	74	-27.53	PK
	*	4880	37.08	4.46	41.54	74	-32.46	PK
		14485	28.27	27.98	56.25	74	-17.75	PK
		14485	19.7	27.98	47.68	54	-6.32	AVG
		15350	28.6	26.39	54.99	74	-19.01	PK
		15350	19.77	26.39	46.16	54	-7.84	AVG
	*	17080	34.97	5.39	40.36	74	-33.64	PK
	*	19520	35.96	3.99	39.95	74	-34.05	PK
	*	21960	33.82	6.25	40.07	74	-33.93	PK
	*	24400	33.24	11.93	45.17	74	-28.83	PK



Mode	BT-LR - Emission	Channel	39
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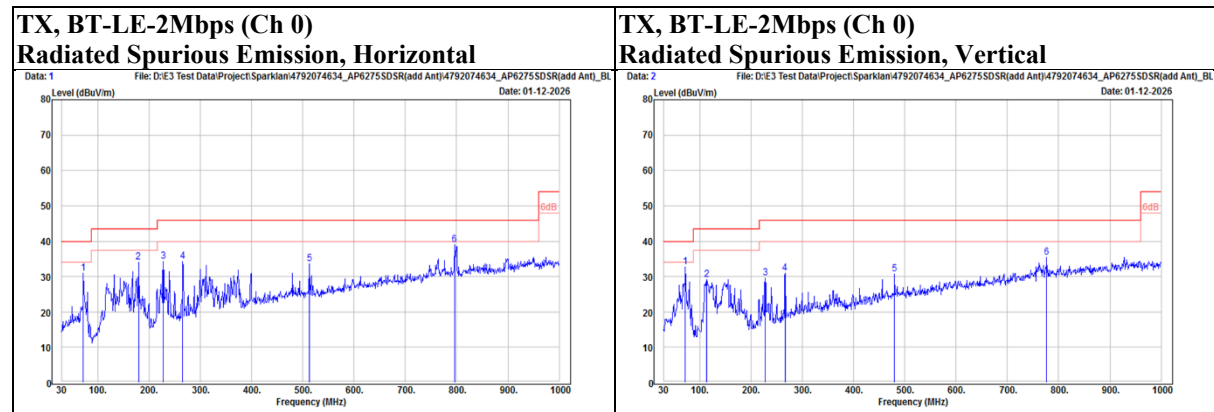
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		4000	40.68	1.92	42.6	74	-31.4	PK
	*	4960	35.69	4.59	40.28	74	-33.72	PK
		14470	28.74	27.97	56.71	74	-17.29	PK
		14470	19.72	27.97	47.69	54	-6.31	AVG
		15385	29.69	26.22	55.91	74	-18.09	PK
		15385	20.86	26.22	47.08	54	-6.92	AVG
	*	17360	34.82	4.89	39.71	74	-34.29	PK
	*	19840	35.48	4.06	39.54	74	-34.46	PK
	*	22320	33.67	6.93	40.6	74	-33.4	PK
Vertical		24800	32.28	12.44	44.72	74	-29.28	PK
		3310	40.59	-0.18	40.41	74	-33.59	PK
	*	4960	37.95	4.59	42.54	74	-31.46	PK
		14500	29.32	28	57.32	74	-16.68	PK
		14500	19.84	28	47.84	54	-6.16	AVG
		15475	29.61	25.98	55.59	74	-18.41	PK
		15475	20.78	25.98	46.76	54	-7.24	AVG
	*	17360	33.65	4.89	38.54	74	-35.46	PK
	*	19840	34.97	4.06	39.03	74	-34.97	PK
	*	22320	34.45	6.93	41.38	74	-32.62	PK
	*	24800	32.42	12.44	44.86	74	-29.14	PK



Below 1 GHz

Mode	BT-LE-2Mbps	Channel	0
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Polarization	Notation	Frequency (MHz)	Reading (dBUV)	Correct (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
Horizontal		71.71	45.53	-14.55	30.98	40	-9.02	PK
		179.38	46.77	-12.77	34	43.5	-9.5	PK
		227.88	48.12	-13.91	34.21	46	-11.79	PK
		265.71	45.72	-11.43	34.29	46	-11.71	PK
		513.06	38.01	-4.34	33.67	46	-12.33	PK
		796.3	37.68	1.42	39.1	46	-6.9	PK
Vertical		71.71	47.32	-14.55	32.77	40	-7.23	PK
		113.42	43.71	-14.59	29.12	43.5	-14.38	PK
		227.88	43.46	-13.91	29.55	46	-16.45	PK
		266.68	42.19	-11.37	30.82	46	-15.18	PK
		480.08	35.88	-5.21	30.67	46	-15.33	PK
		776.9	34.2	1.25	35.45	46	-10.55	PK



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9 kHz ~ 30 MHz Data:

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

KDB 414788 D01 OATS and Chamber Correlation Justification

- Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

END OF REPORT**Underwriters Laboratories Taiwan Co., Ltd.**

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