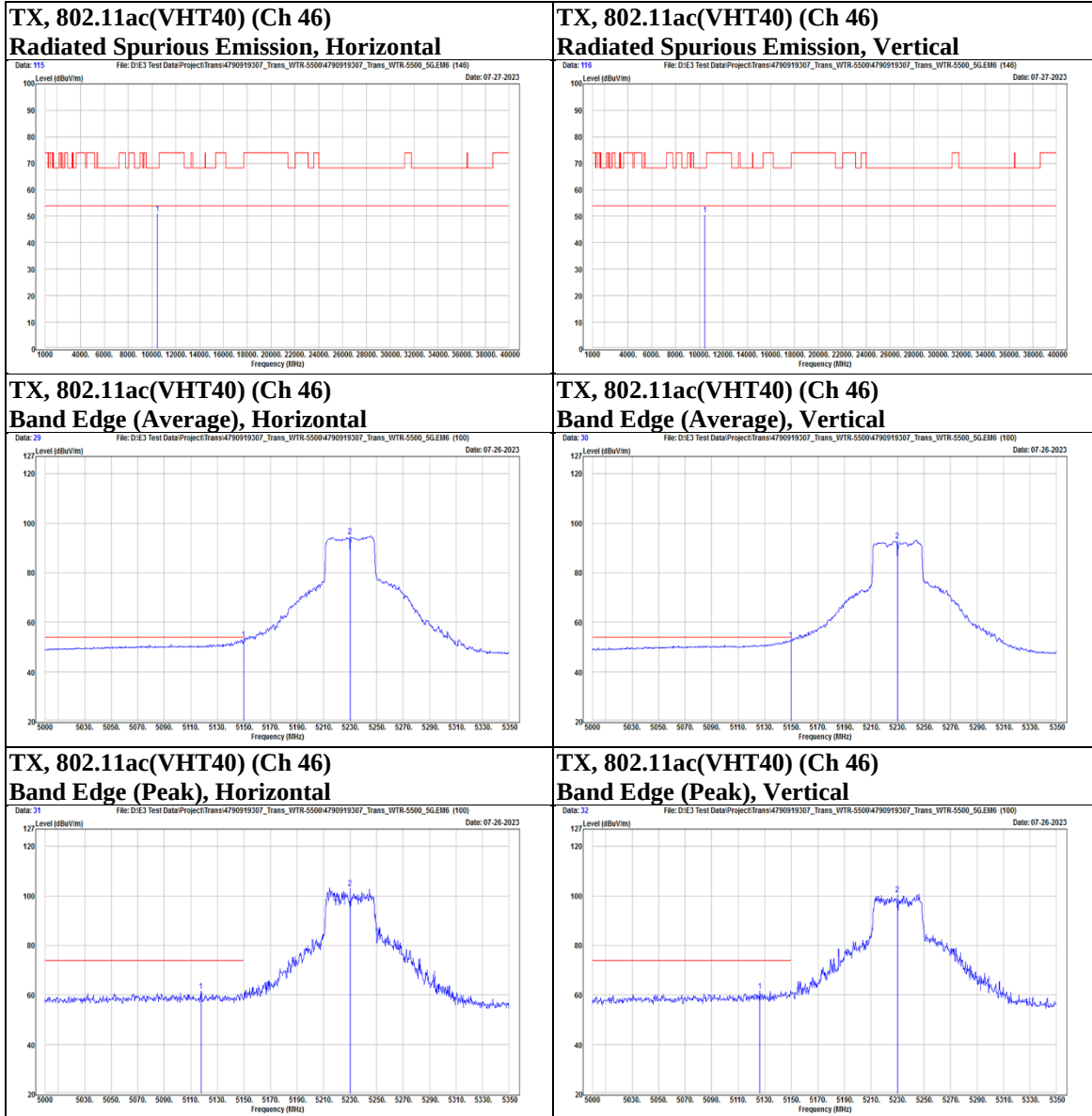
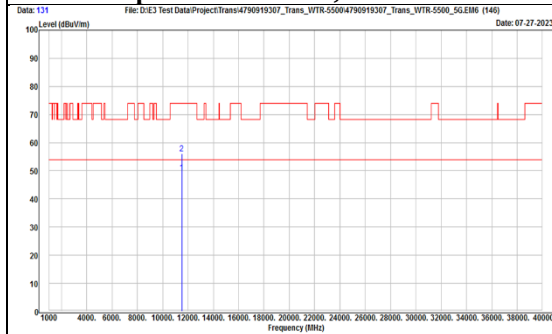
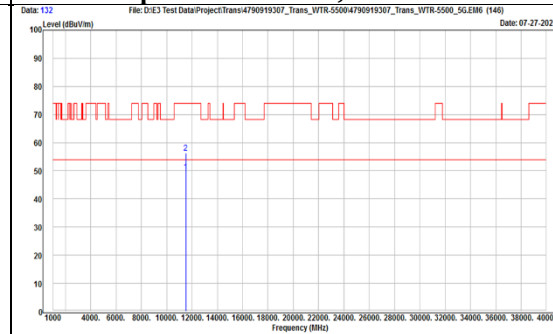
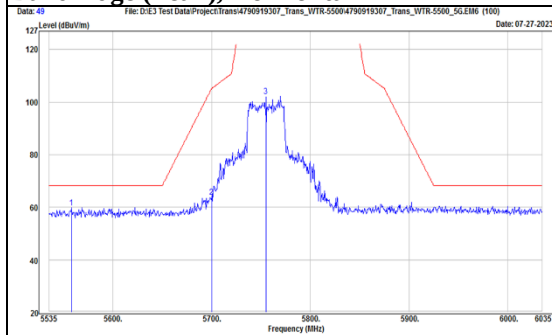
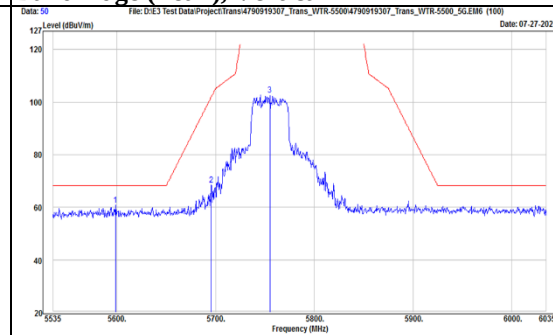




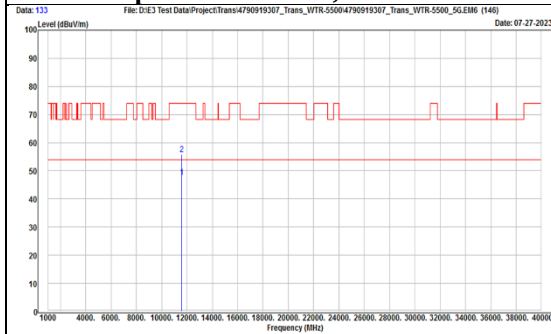
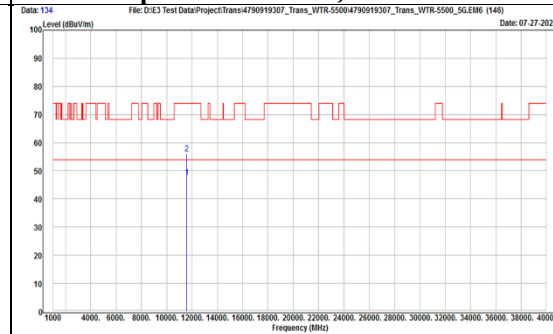
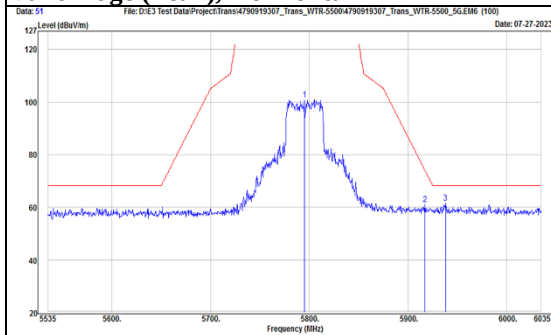
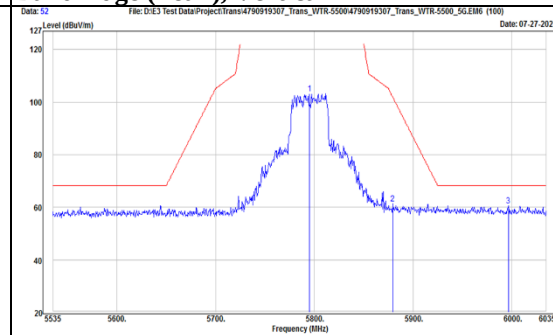
Mode	802.11ac(VHT40)	Channel	151
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5558	40.34	19.55	59.89	68.2	-8.31	PK
		5700	44.41	19.6	64.01	105.2	-41.19	PK
		5755	82.12	20.09	102.21	N/A	N/A	PK
		11510	37.24	18.87	56.11	74	-17.89	PK
		11510	30.55	18.87	49.42	54	-4.58	AVG
Vertical	@	5598.5	41.21	19.6	60.81	68.2	-7.39	PK
		5695.5	48.84	19.6	68.44	101.88	-33.44	PK
		5755	82.63	20.09	102.72	N/A	N/A	PK
		11510	37.56	18.87	56.43	74	-17.57	PK
		11510	30.69	18.87	49.56	54	-4.44	AVG

TX, 802.11ac(VHT40) (Ch 151)
Radiated Spurious Emission, Horizontal

TX, 802.11ac(VHT40) (Ch 151)
Radiated Spurious Emission, Vertical

TX, 802.11ac(VHT40) (Ch 151)
Band Edge (Peak), Horizontal

TX, 802.11ac(VHT40) (Ch 151)
Band Edge (Peak), Vertical


Mode	802.11ac(VHT40)	Channel	159
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5795	80.49	20.46	100.95	N/A	N/A	PK
		5917	40.45	20.72	61.17	74.1	-12.93	PK
		5938	40.86	20.74	61.6	68.2	-6.6	PK
		11590	37.32	18.58	55.9	74	-18.1	PK
		11590	29.13	18.58	47.71	54	-6.29	AVG
Vertical	@	5795	82.74	20.46	103.2	N/A	N/A	PK
		5879.5	40.67	20.68	61.35	101.86	-40.51	PK
		5996.5	39.86	20.8	60.66	68.2	-7.54	PK
		11590	37.62	18.58	56.2	74	-17.8	PK
		11590	29.17	18.58	47.75	54	-6.25	AVG

TX, 802.11ac(VHT40) (Ch 159)
Radiated Spurious Emission, Horizontal

TX, 802.11ac(VHT40) (Ch 159)
Radiated Spurious Emission, Vertical

TX, 802.11ac(VHT40) (Ch 159)
Band Edge (Peak), Horizontal

TX, 802.11ac(VHT40) (Ch 159)
Band Edge (Peak), Vertical


Mode	802.11ac(VHT80)	Channel	42
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5134.75	44.14	19.23	63.37	74	-10.63	PK
		5148.05	33.2	19.22	52.42	54	-1.58	AVG
	@	5210	73.49	19.07	92.56	N/A	N/A	PK
	@	5210	68.61	19.07	87.68	N/A	N/A	AVG
	*	10420	30.89	17.4	48.29	68.2	-19.91	PK
Vertical		5142.8	44.34	19.22	63.56	74	-10.44	PK
		5147.7	33.33	19.22	52.55	54	-1.45	AVG
	@	5210	75.31	19.07	94.38	N/A	N/A	PK
	@	5210	67.23	19.07	86.3	N/A	N/A	AVG
	*	10420	31.45	17.4	48.85	68.2	-19.35	PK

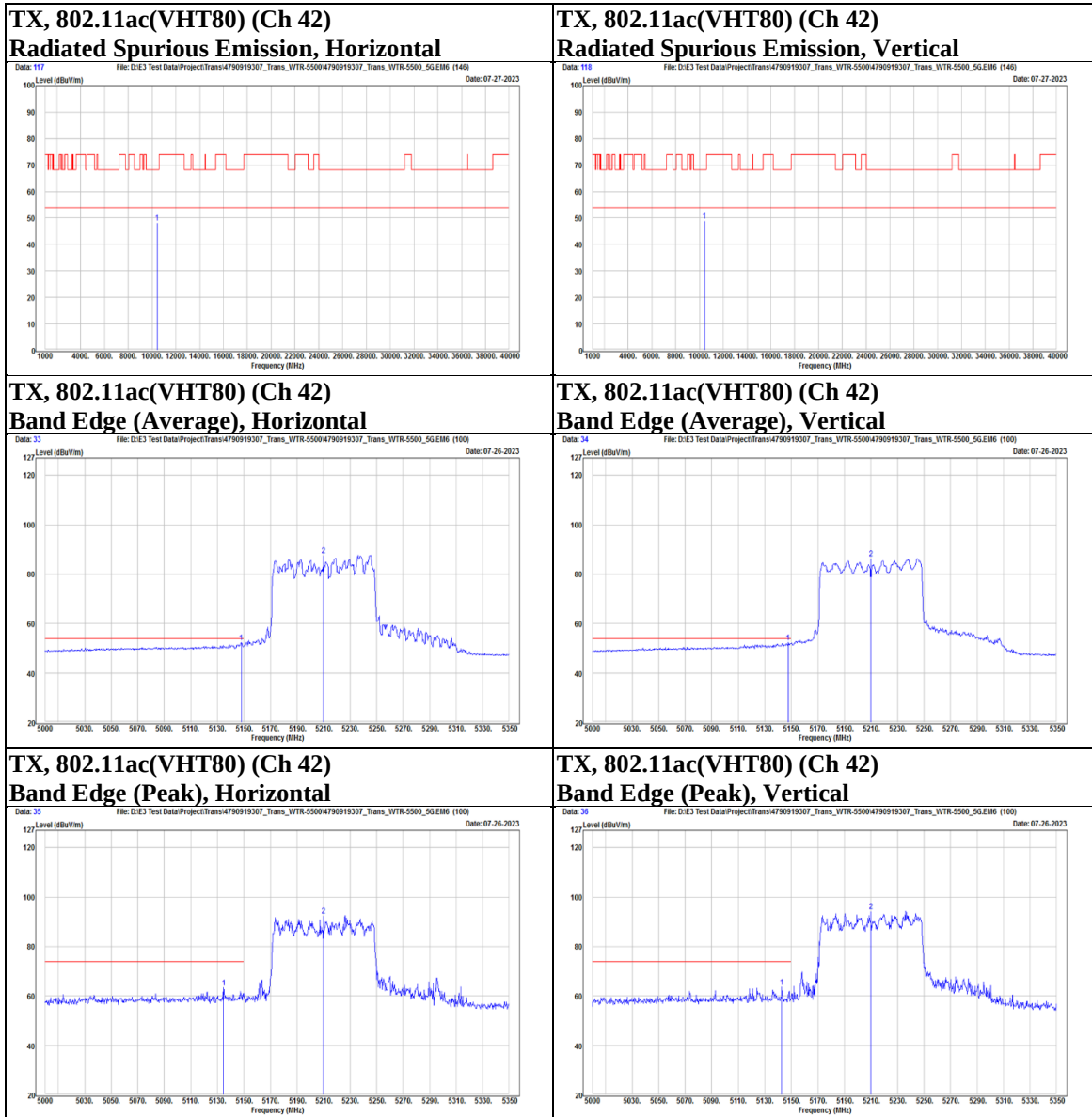
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Telephone : +886-2-7737-3000

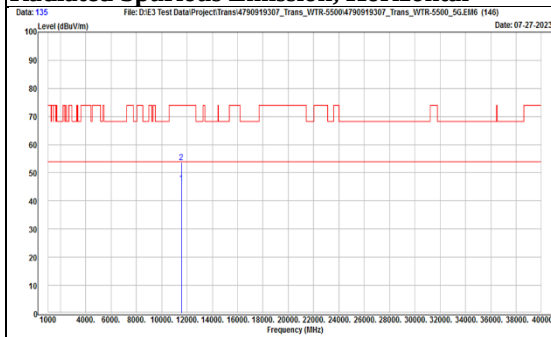
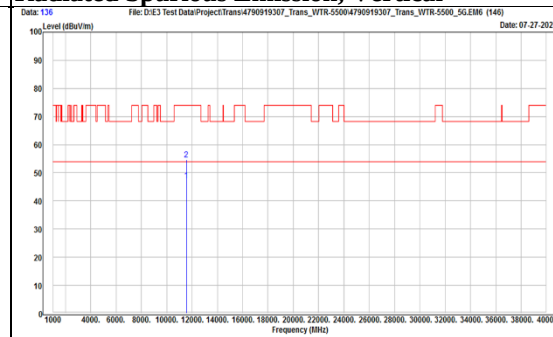
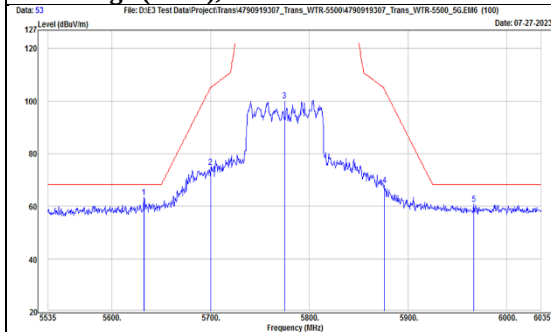
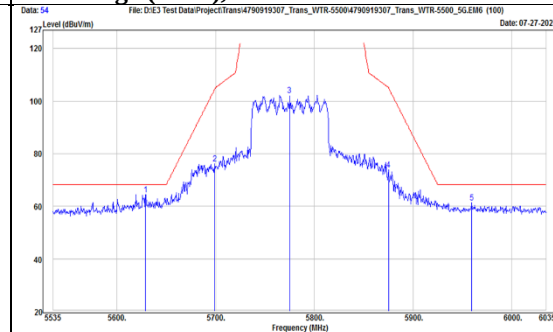
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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1



Mode	802.11ac(VHT80)	Channel	155
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5632.5	43.68	19.63	63.31	68.2	-4.89	PK
		5700	55.39	19.6	74.99	105.2	-30.21	PK
		5775	79.97	20.28	100.25	N/A	N/A	PK
		5876	47.37	20.68	68.05	104.46	-36.41	PK
		5966.5	40.04	20.76	60.8	68.2	-7.4	PK
		11550	35.06	18.73	53.79	74	-20.21	PK
		11550	27.65	18.73	46.38	54	-7.62	AVG
Vertical	@	5629	44.88	19.62	64.5	68.2	-3.7	PK
		5699	56.6	19.6	76.2	104.46	-28.26	PK
		5775	82.07	20.28	102.35	N/A	N/A	PK
		5875	53.27	20.68	73.95	105.2	-31.25	PK
		5959.5	40.51	20.76	61.27	68.2	-6.93	PK
		11550	35.95	18.73	54.68	74	-19.32	PK
		11550	28.52	18.73	47.25	54	-6.75	AVG

TX, 802.11ac(VHT80) (Ch 155)
Radiated Spurious Emission, Horizontal

TX, 802.11ac(VHT80) (Ch 155)
Radiated Spurious Emission, Vertical

TX, 802.11ac(VHT80) (Ch 155)
Band Edge (Peak), Horizontal

TX, 802.11ac(VHT80) (Ch 155)
Band Edge (Peak), Vertical


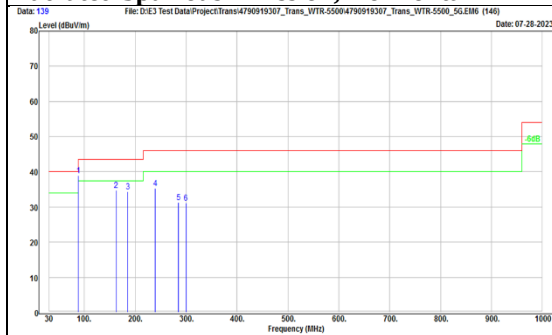
Below 1 GHz

Mode	802.11a	Channel	48
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		88.2	56.67	-17.79	38.88	43.5	-4.62	PK
		162.89	46.45	-11.68	34.77	43.5	-8.73	PK
		185.2	48.08	-13.66	34.42	43.5	-9.08	PK
		239.52	48.23	-12.83	35.4	46	-10.6	PK
		285.11	42.27	-10.96	31.31	46	-14.69	PK
		299.66	41.8	-10.66	31.14	46	-14.86	PK
Vertical		31.94	51.31	-14.46	36.85	40	-3.15	PK
		41.64	45.03	-13.22	31.81	40	-8.19	PK
		89.17	53.41	-17.91	35.5	43.5	-8	PK
		139.61	43.58	-12.7	30.88	43.5	-12.62	PK
		155.13	40.67	-11.64	29.03	43.5	-14.47	PK
		230.79	41.73	-13.75	27.98	46	-18.02	PK

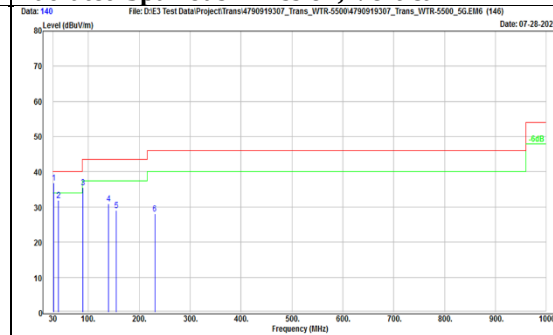
TX, 802.11a (Ch 48)

Radiated Spurious Emission, Horizontal



TX, 802.11a (Ch 48)

Radiated Spurious Emission, Vertical



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.

9.8. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
3. Test data of Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB).
4. Test data of Margin(dB) = Result value (dBuV) - Limit value (dBuV).
5. Test data of Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).

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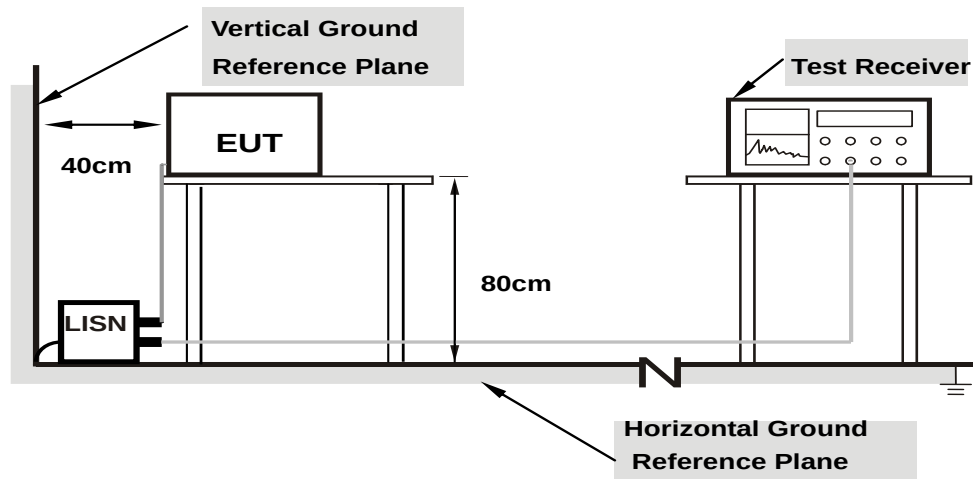
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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

Test Setup

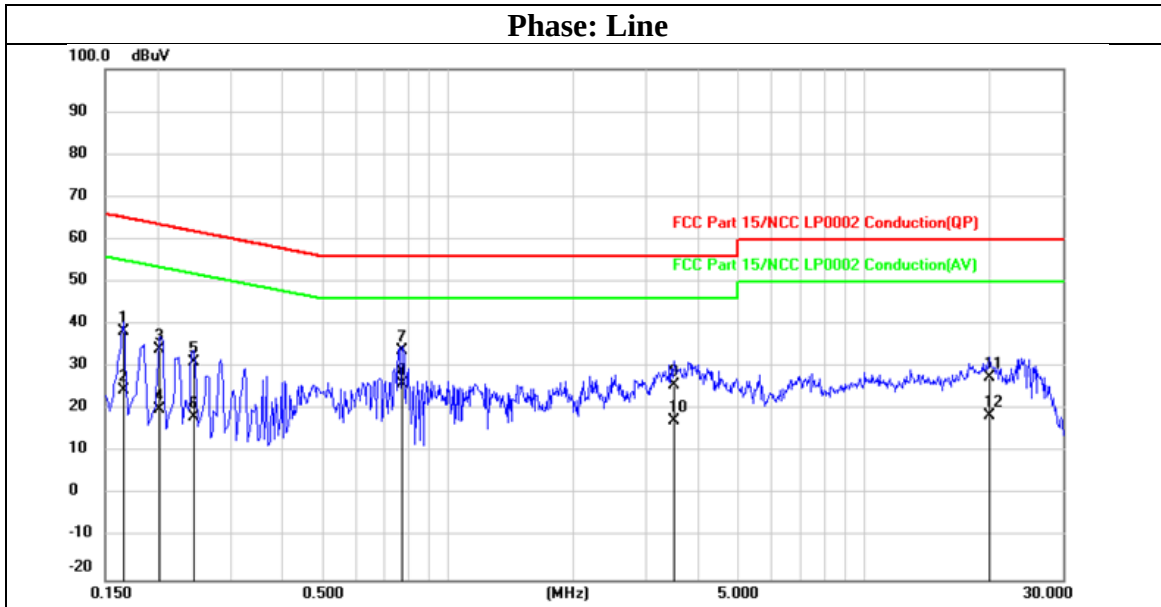


Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the Setup Configurations.

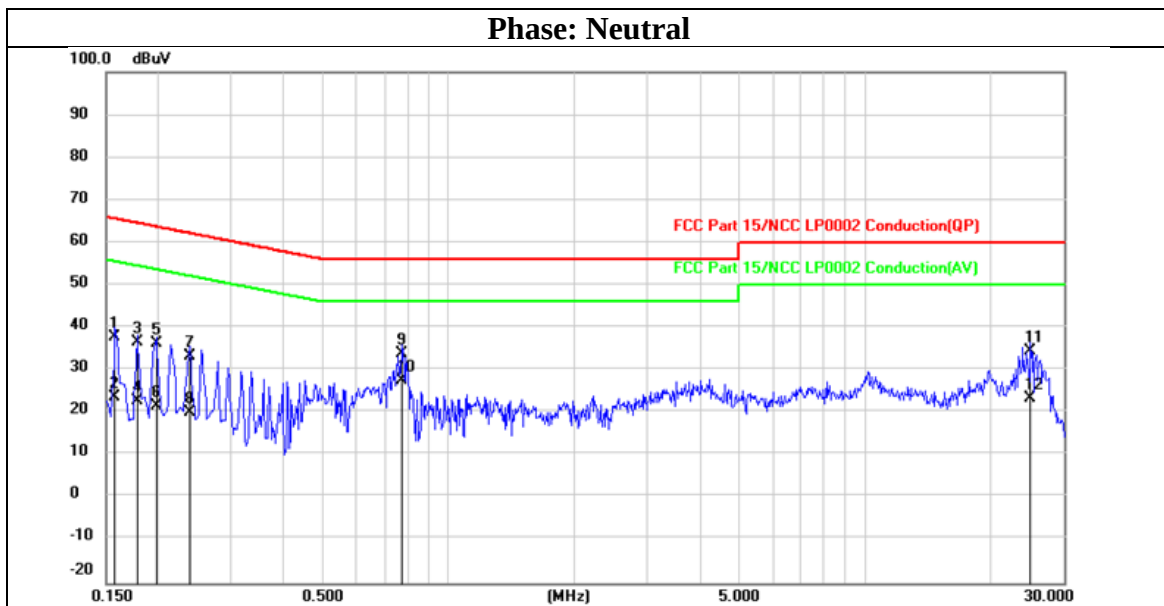
Test Data

Mode	802.11a_TX5240	Channel	48
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1660	28.37	9.96	38.33	65.16	-26.83	QP
2	0.1660	14.74	9.96	24.70	55.16	-30.46	AVG
3	0.2020	24.23	9.96	34.19	63.53	-29.34	QP
4	0.2020	10.23	9.96	20.19	53.53	-33.34	AVG
5	0.2460	21.07	9.96	31.03	61.89	-30.86	QP
6	0.2460	8.22	9.96	18.18	51.89	-33.71	AVG
7	0.7780	23.99	9.98	33.97	56.00	-22.03	QP
8	0.7780	16.19	9.98	26.17	46.00	-19.83	AVG
9	3.4980	15.63	10.05	25.68	56.00	-30.32	QP
10	3.4980	7.36	10.05	17.41	46.00	-28.59	AVG
11	20.0500	17.22	10.47	27.69	60.00	-32.31	QP
12	20.0500	7.95	10.47	18.42	50.00	-31.58	AVG

Mode	802.11a_TX5240	Channel	48
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1580	27.75	9.95	37.70	65.57	-27.87	QP
2	0.1580	13.76	9.95	23.71	55.57	-31.86	AVG
3	0.1780	26.59	9.94	36.53	64.58	-28.05	QP
4	0.1780	12.79	9.94	22.73	54.58	-31.85	AVG
5	0.1980	26.17	9.94	36.11	63.69	-27.58	QP
6	0.1980	11.56	9.94	21.50	53.69	-32.19	AVG
7	0.2380	23.45	9.94	33.39	62.17	-28.78	QP
8	0.2380	9.97	9.94	19.91	52.17	-32.26	AVG
9	0.7740	23.93	9.97	33.90	56.00	-22.10	QP
10	0.7740	17.66	9.97	27.63	46.00	-18.37	AVG
11	24.9540	23.71	10.62	34.33	60.00	-25.67	QP
12	24.9540	12.66	10.62	23.28	50.00	-26.72	AVG

END OF REPORT

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