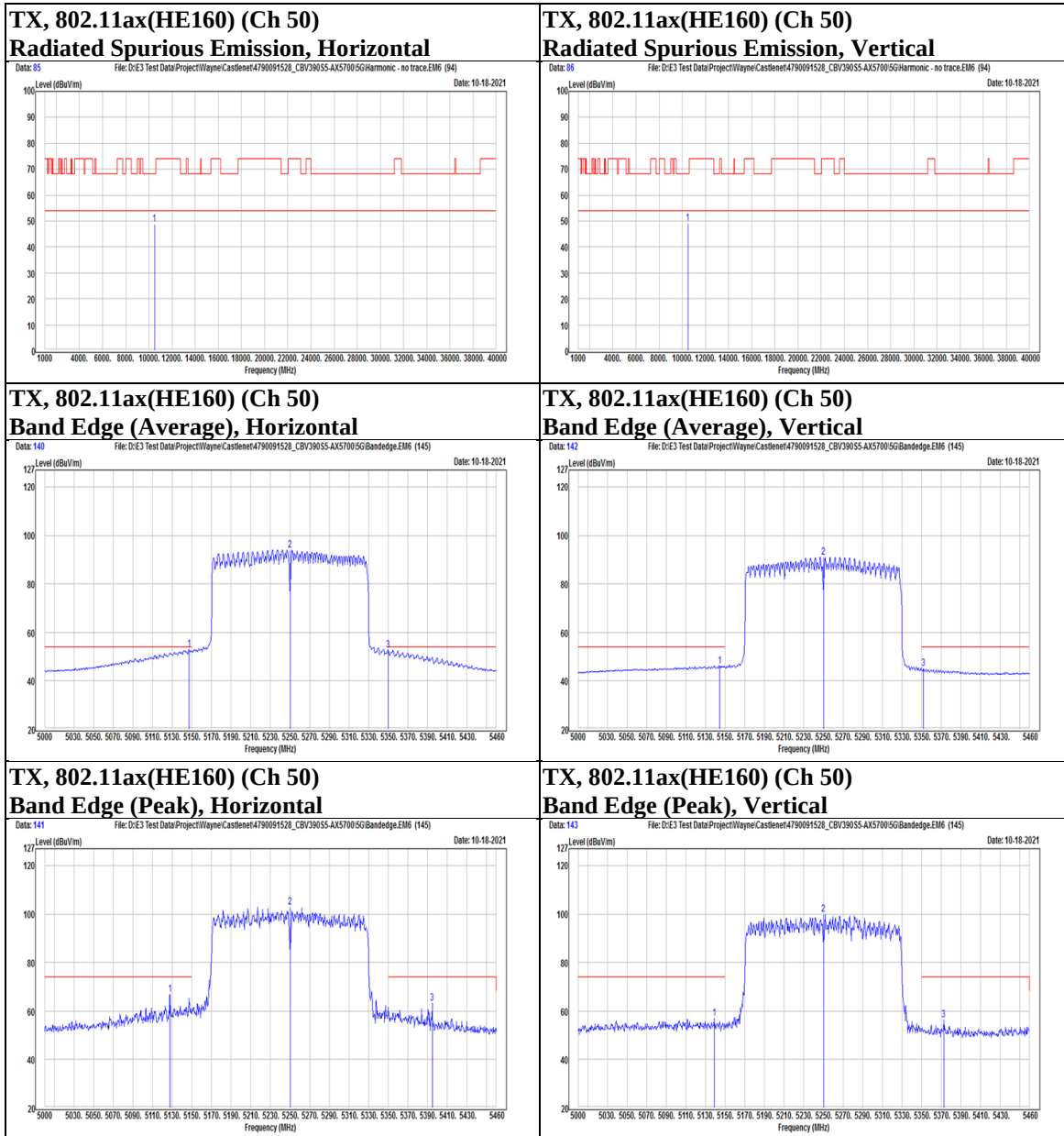




Test report No. : 4790091528-US-R1-V0
Page : 130 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5



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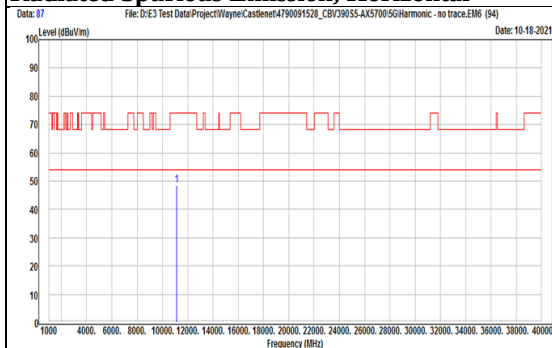


Test report No. : 4790091528-US-R1-V0
Page : 131 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

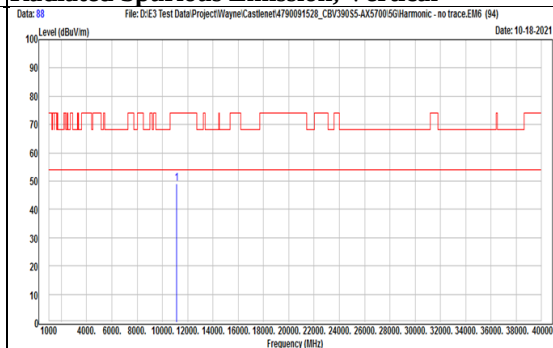
Mode	802.11ax(HE160)	Channel	114
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5450.05	49.57	13.67	63.24	74	-10.76	PK
		5450.05	39.84	13.67	53.51	54	-0.49	AVG
		5467.9	47.78	13.74	61.52	68.2	-6.68	PK
	@	5570	87.88	13.95	101.83	N/A	N/A	PK
	@	5570	79.32	13.95	93.27	N/A	N/A	AVG
		5729.7	45.43	14.2	59.63	68.2	-8.57	PK
Vertical	*	11140	30.11	18.38	48.49	74	-25.51	PK
		5447.6	41.23	13.66	54.89	74	-19.11	PK
		5447.6	32.97	13.66	46.63	54	-7.37	AVG
		5469.3	43.1	13.74	56.84	68.2	-11.36	PK
	@	5570	85.94	13.95	99.89	N/A	N/A	PK
	@	5570	76.68	13.95	90.63	N/A	N/A	AVG
		5725.5	41.52	14.18	55.7	68.2	-12.5	PK
	*	11140	30.6	18.38	48.98	74	-25.02	PK

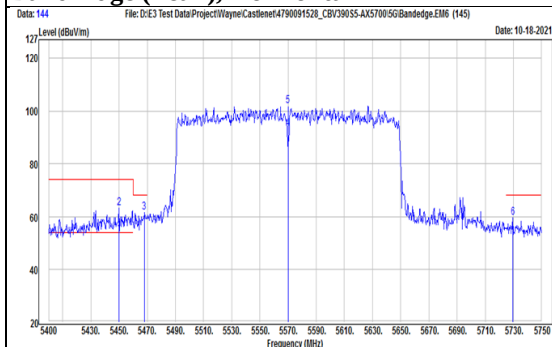
TX, 802.11ax(HE160) (Ch 114)
Radiated Spurious Emission, Horizontal



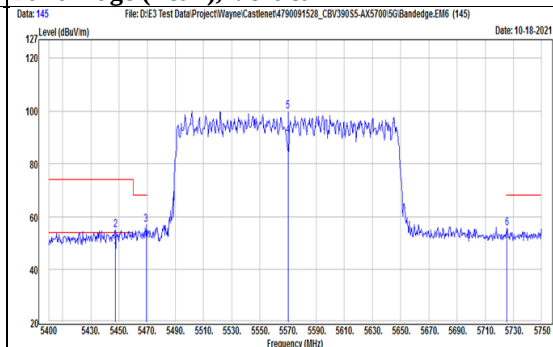
TX, 802.11ax(HE160) (Ch 114)
Radiated Spurious Emission, Vertical



TX, 802.11ax(HE160) (Ch 114)
Band Edge (Peak), Horizontal



TX, 802.11ax(HE160) (Ch 114)
Band Edge (Peak), Vertical



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Test report No. : 4790091528-US-R1-V0
Page : 132 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

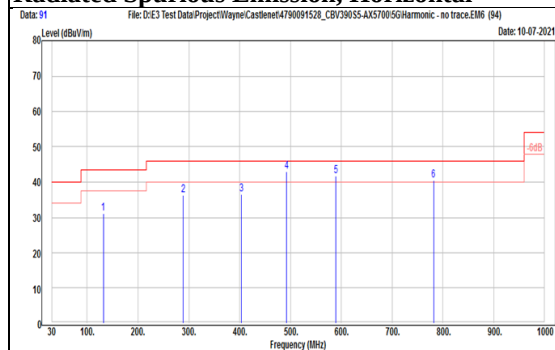
Below 1 GHz

Mode	802.11ax(HE20)	Channel	149
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		131.85	44.14	-13.04	31.1	43.5	-12.4	PK
		288.99	46.57	-10.31	36.26	46	-9.74	PK
		403.45	43.54	-6.89	36.65	46	-9.35	PK
		492.69	47.88	-4.82	43.06	46	-2.94	PK
		589.69	44.07	-2.34	41.73	46	-4.27	PK
		781.75	39.53	0.96	40.49	46	-5.51	PK
Vertical		65.89	45.01	-13.1	31.91	40	-8.09	PK
		124.09	43.04	-13.99	29.05	43.5	-14.45	PK
		289.96	44.59	-10.29	34.3	46	-11.7	PK
		406.36	43.45	-6.85	36.6	46	-9.4	PK
		535.37	46.99	-3.58	43.41	46	-2.59	PK
		763.32	36.48	0.88	37.36	46	-8.64	PK

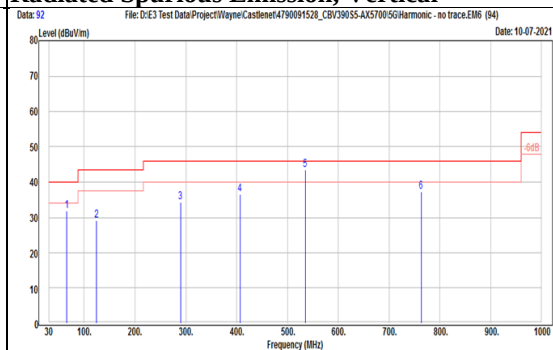
TX, 802.11ax(HE20) (Ch 149)

Radiated Spurious Emission, Horizontal



TX, 802.11ax(HE20) (Ch 149)

Radiated Spurious Emission, Vertical



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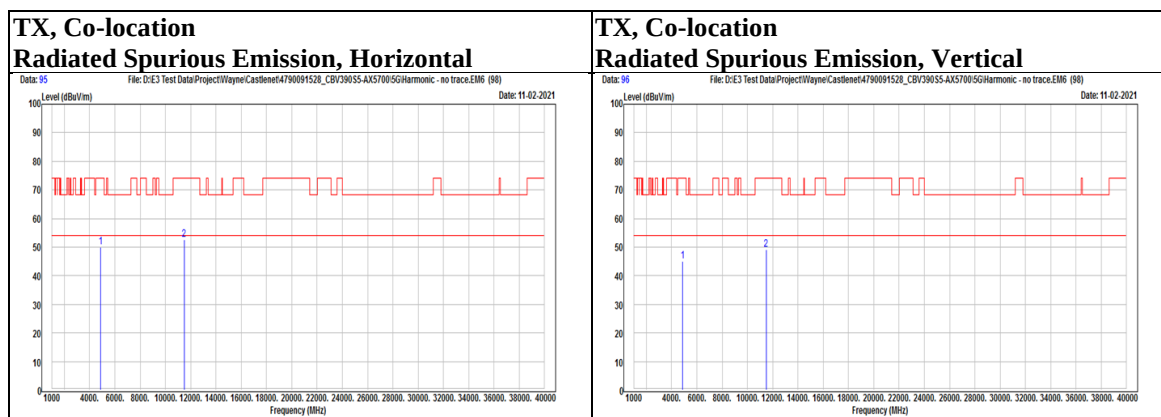
Test report No. : 4790091528-US-R1-V0
Page : 133 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

Simultaneously Transmission Condition:

Above 1 GHz

Mode	Co-location	Channel	WiFi 2.4G 802.11g Ch 6 WiFi 5G 802.11ax20 Ch 149
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	*	4874	47.4	2.66	50.06	74	-23.94	PK
	*	11490	33.61	19.02	52.63	74	-21.37	PK
Vertical	*	4874	42.52	2.66	45.18	74	-28.82	PK
	*	11490	30.2	19.02	49.22	74	-24.78	PK



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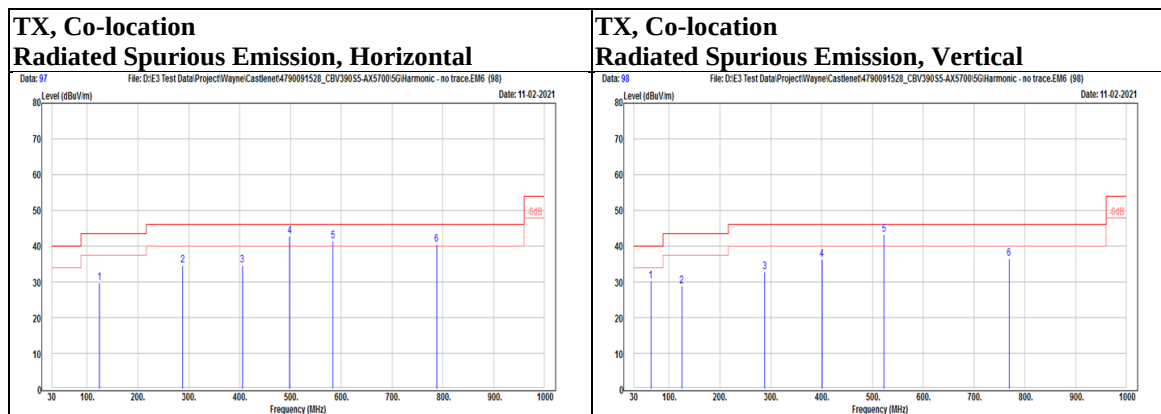


Test report No. : 4790091528-US-R1-V0
Page : 134 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

Below 1 GHz

Mode	Co-location	Channel	WiFi 2.4G 802.11g Ch 6 WiFi 5G 802.11ax20 Ch 149
------	-------------	---------	---

Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		124.09	43.82	-13.99	29.83	43.5	-13.67	PK
		288.02	44.91	-10.34	34.57	46	-11.43	PK
		405.39	41.51	-6.85	34.66	46	-11.34	PK
		498.51	47.66	-4.79	42.87	46	-3.13	PK
		583.87	44.01	-2.7	41.31	46	-4.69	PK
		787.57	39.4	1.06	40.46	46	-5.54	PK
Vertical		63.95	42.95	-12.62	30.33	40	-9.67	PK
		125.06	42.89	-13.96	28.93	43.5	-14.57	PK
		288.02	43.24	-10.34	32.9	46	-13.1	PK
		400.54	43.25	-6.98	36.27	46	-9.73	PK
		522.76	47.16	-3.94	43.22	46	-2.78	PK
		769.14	35.54	0.97	36.51	46	-9.49	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.

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9.8. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dB μ V)	
	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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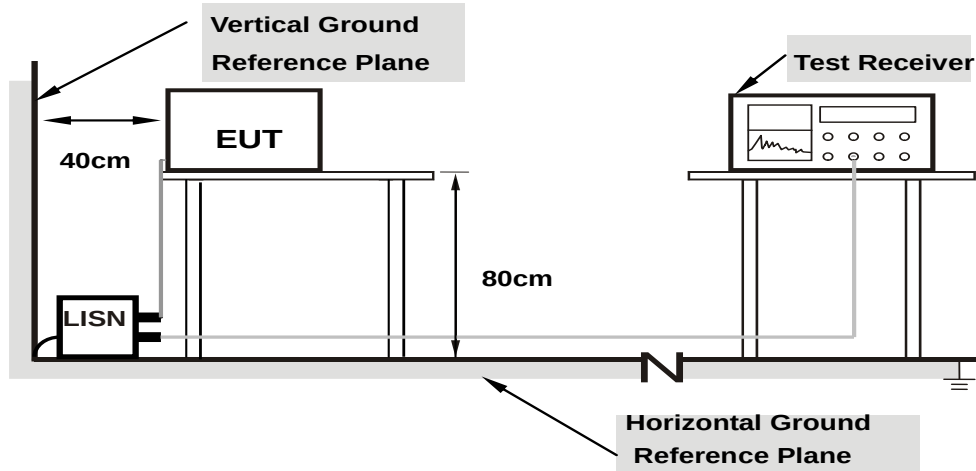
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Test Setup



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

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

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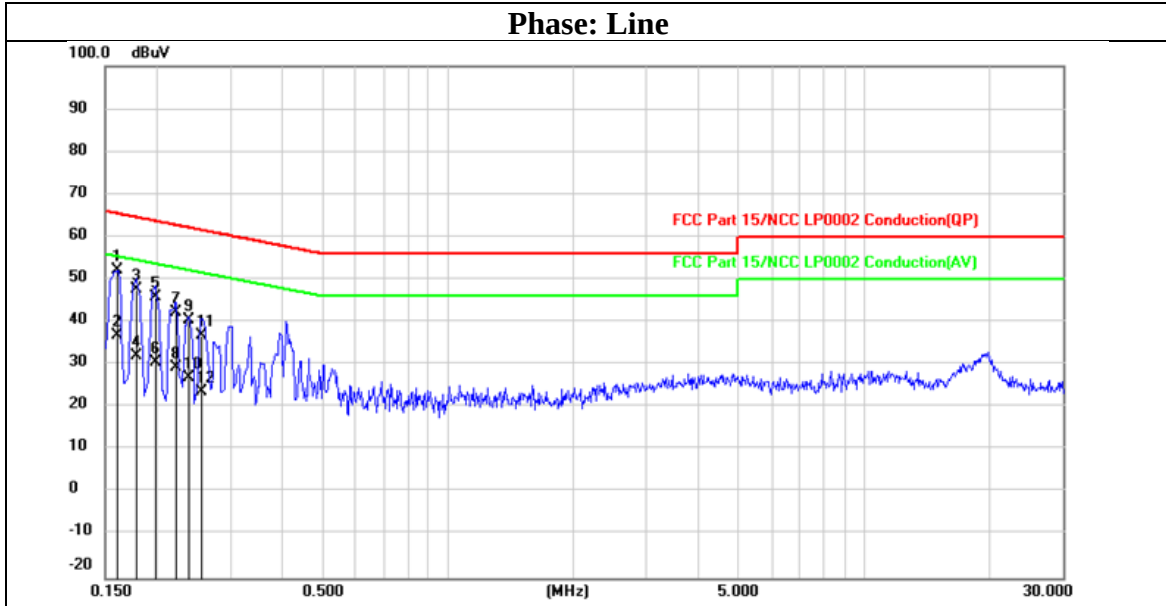
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Test Data

Mode	11ax20_TX5745	Channel	149
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1595	32.68	19.49	52.17	65.49	-13.32	QP
2	0.1595	17.34	19.49	36.83	55.49	-18.66	AVG
3	0.1768	28.20	19.49	47.69	64.63	-16.94	QP
4	0.1768	12.42	19.49	31.91	54.63	-22.72	AVG
5	0.1970	26.22	19.49	45.71	63.74	-18.03	QP
6	0.1970	10.99	19.49	30.48	53.74	-23.26	AVG
7	0.2224	22.72	19.49	42.21	62.73	-20.52	QP
8	0.2224	9.92	19.49	29.41	52.73	-23.32	AVG
9	0.2374	20.94	19.49	40.43	62.19	-21.76	QP
10	0.2374	7.37	19.49	26.86	52.19	-25.33	AVG
11	0.2563	17.31	19.49	36.80	61.55	-24.75	QP
12	0.2563	4.04	19.49	23.53	51.55	-28.02	AVG

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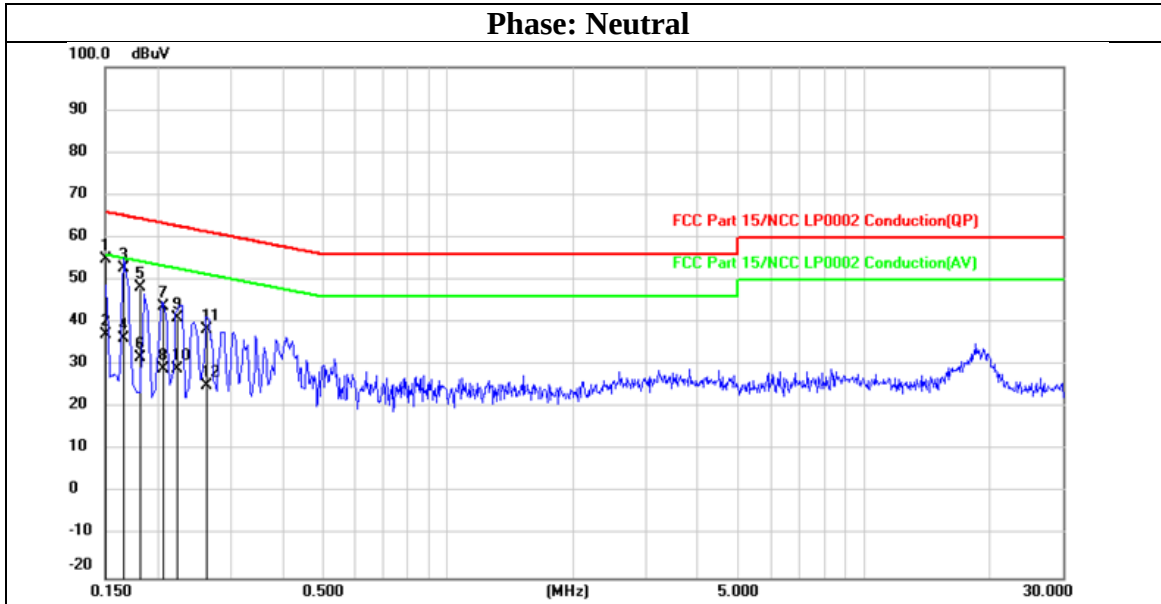
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Test report No. : 4790091528-US-R1-V0
Page : 139 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

Mode 11ax20_TX5745 Channel 149



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1512	35.37	19.49	54.86	65.93	-11.07	QP
2	0.1512	17.70	19.49	37.19	55.93	-18.74	AVG
3	0.1652	33.30	19.49	52.79	65.20	-12.41	QP
4	0.1652	16.88	19.49	36.37	55.20	-18.83	AVG
5	0.1812	28.85	19.49	48.34	64.43	-16.09	QP
6	0.1812	12.35	19.49	31.84	54.43	-22.59	AVG
7	0.2081	24.20	19.49	43.69	63.28	-19.59	QP
8	0.2081	9.62	19.49	29.11	53.28	-24.17	AVG
9	0.2230	21.53	19.49	41.02	62.71	-21.69	QP
10	0.2230	9.68	19.49	29.17	52.71	-23.54	AVG
11	0.2631	19.01	19.49	38.50	61.33	-22.83	QP
12	0.2631	5.64	19.49	25.13	51.33	-26.20	AVG

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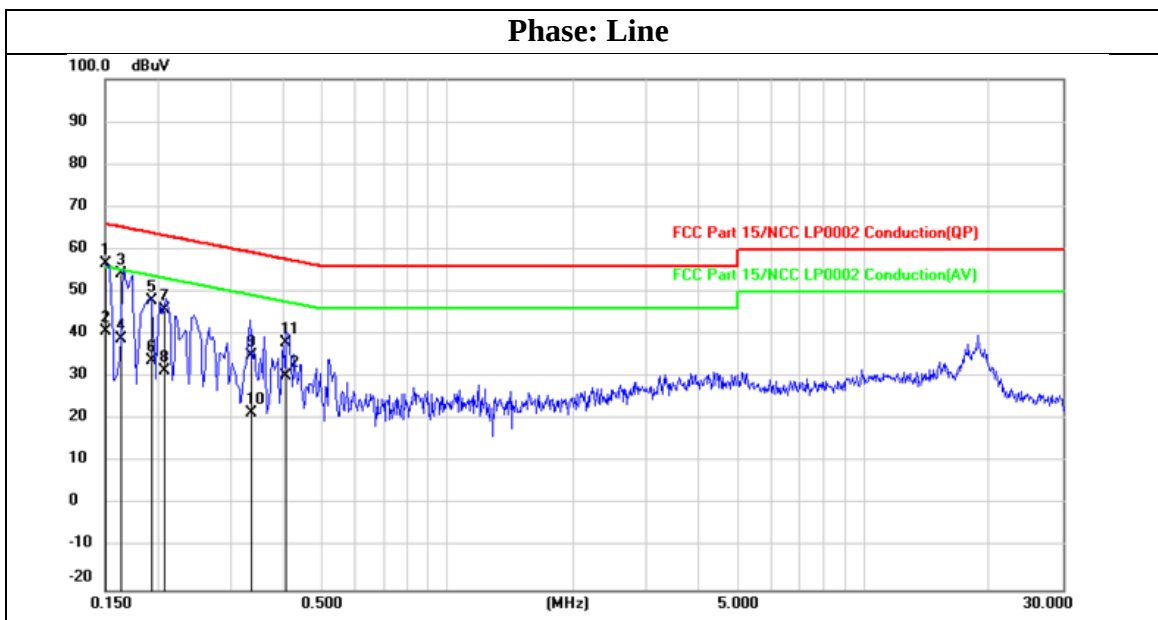
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Simultaneously Transmission Condition:

Mode	WiFi 2.4G 802.11g	Channel	Ch 6
	WiFi 5G 802.11ax20		Ch 149



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1511	37.31	19.49	56.80	65.94	-9.14	QP
2	0.1511	21.21	19.49	40.70	55.94	-15.24	AVG
3	0.1632	34.63	19.49	54.12	65.30	-11.18	QP
4	0.1632	19.40	19.49	38.89	55.30	-16.41	AVG
5	0.1931	28.56	19.49	48.05	63.90	-15.85	QP
6	0.1931	14.22	19.49	33.71	53.90	-20.19	AVG
7	0.2079	26.21	19.49	45.70	63.29	-17.59	QP
8	0.2079	11.86	19.49	31.35	53.29	-21.94	AVG
9	0.3364	15.69	19.49	35.18	59.29	-24.11	QP
10	0.3364	1.92	19.49	21.41	49.29	-27.88	AVG
11	0.4086	18.52	19.49	38.01	57.68	-19.67	QP
12	0.4086	10.67	19.49	30.16	47.68	-17.52	AVG

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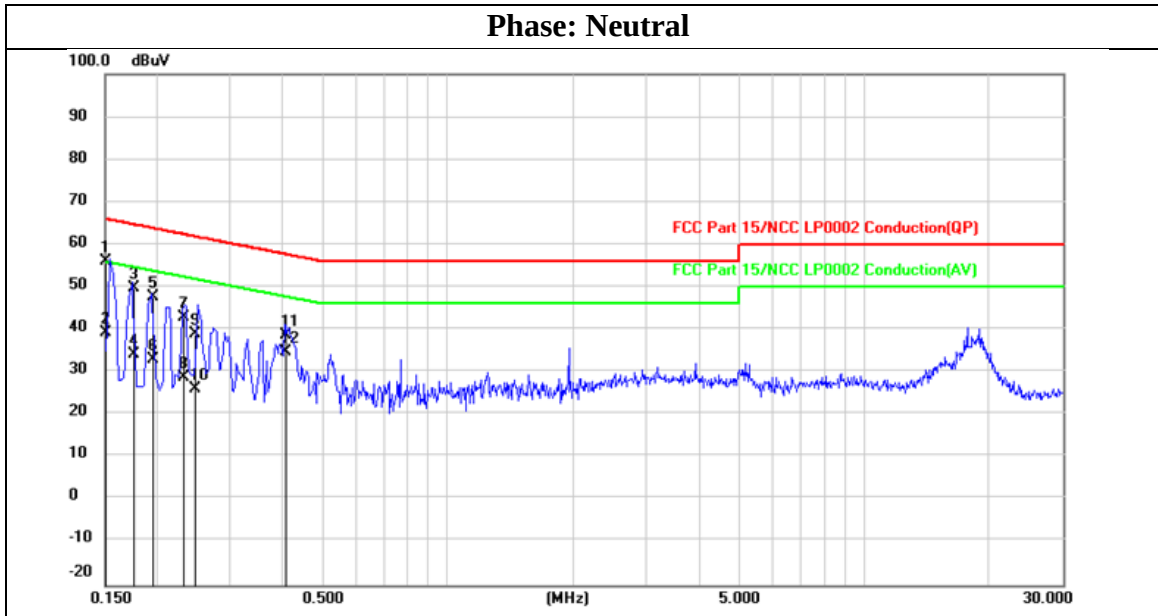
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Test report No. : 4790091528-US-R1-V0
Page : 141 of 141
Issued date : 2022/3/22
FCC ID : RK9-CBV390S5

Mode	WiFi 2.4G 802.11g WiFi 5G 802.11ax20	Channel	Ch 6 Ch 149
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1507	36.62	19.49	56.11	65.96	-9.85	QP
2	0.1507	19.70	19.49	39.19	55.96	-16.77	AVG
3	0.1760	30.34	19.49	49.83	64.67	-14.84	QP
4	0.1760	14.69	19.49	34.18	54.67	-20.49	AVG
5	0.1959	28.10	19.49	47.59	63.78	-16.19	QP
6	0.1959	13.43	19.49	32.92	53.78	-20.86	AVG
7	0.2315	23.35	19.49	42.84	62.40	-19.56	QP
8	0.2315	9.29	19.49	28.78	52.40	-23.62	AVG
9	0.2462	19.47	19.49	38.96	61.88	-22.92	QP
10	0.2462	6.56	19.49	26.05	51.88	-25.83	AVG
11	0.4081	19.10	19.49	38.59	57.69	-19.10	QP
12	0.4081	15.37	19.49	34.86	47.69	-12.83	AVG

END OF REPORT

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