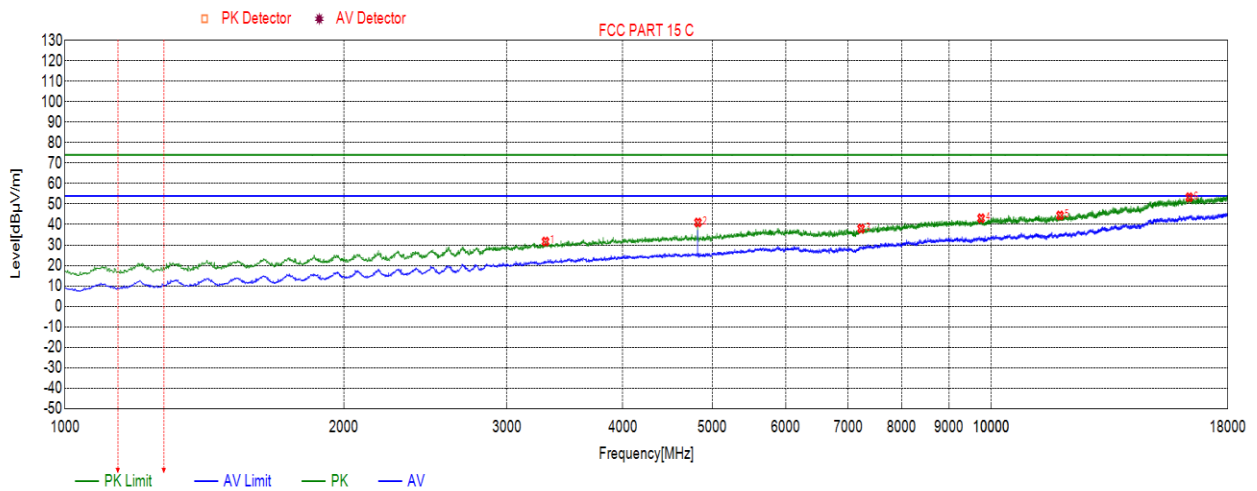


6.6.3.SPURIOUS EMISSIONS

Part I: 1GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

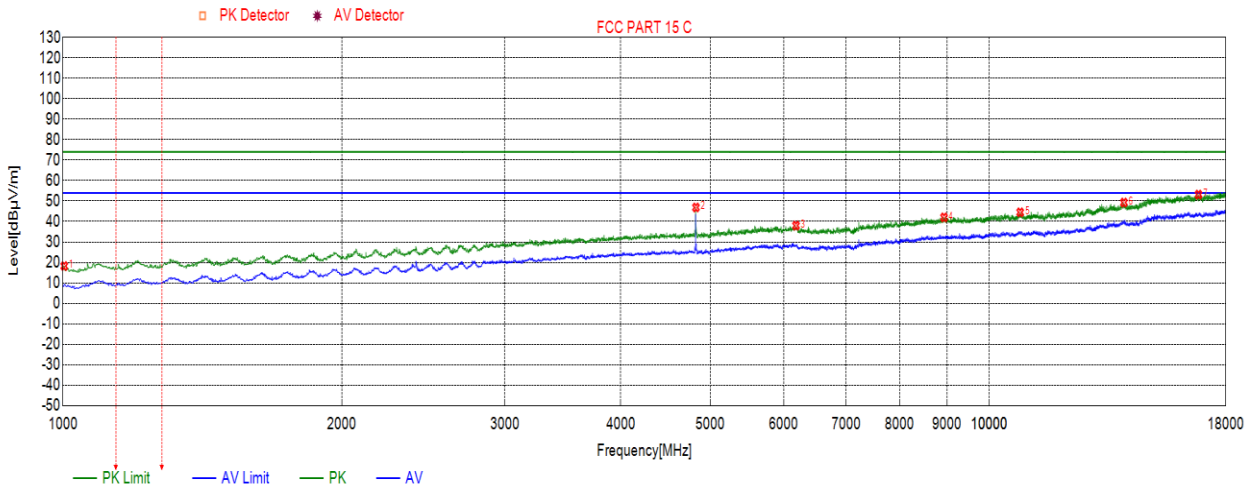
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3302.0302	31.66	-9.27	74.00	-42.34	54.00	-22.34	peak
2	4823.6824	40.99	-5.19	74.00	-33.01	54.00	-13.01	peak
3	7234.5235	38.01	0.20	74.00	-35.99	54.00	-15.99	peak
4	9750.7751	43.06	5.04	74.00	-30.94	54.00	-10.94	peak
5	11862.3862	44.44	7.77	74.00	-29.56	54.00	-9.56	peak
6	16357.6358	53.32	16.26	74.00	-20.68	54.00	-0.68	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

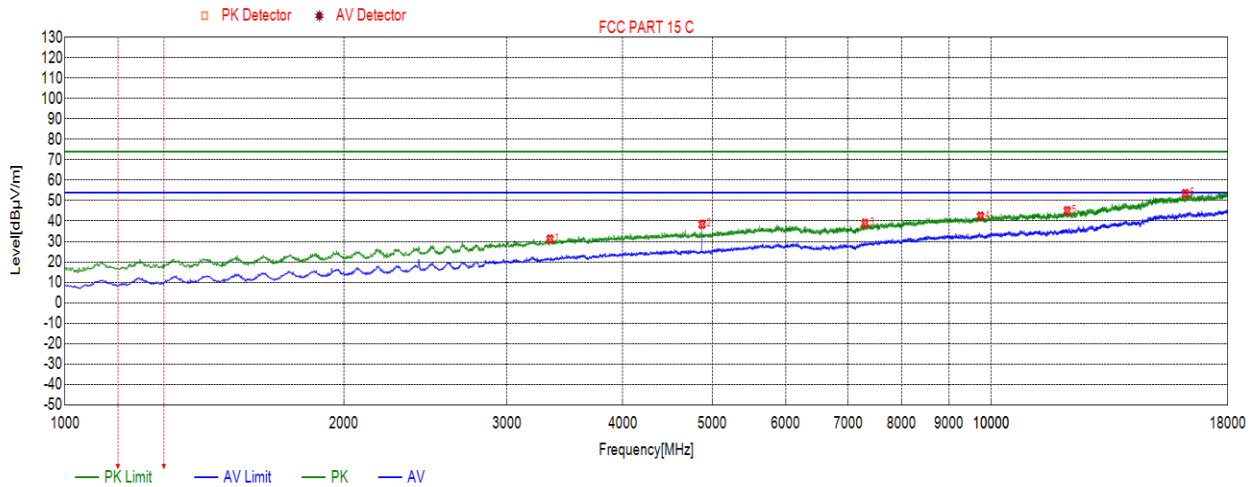
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1003.4003	18.21	-20.08	74.00	-55.79	54.00	-35.79	peak
2	4823.6824	46.87	-5.19	74.00	-27.13	54.00	-7.13	peak
3	6185.5186	38.00	-1.23	74.00	-36.00	54.00	-16	peak
4	8936.3936	42.00	3.71	74.00	-32.00	54.00	-12	peak
5	10798.0798	44.49	6.80	74.00	-29.51	54.00	-9.51	peak
6	13975.6976	49.28	12.15	74.00	-24.72	54.00	-4.72	peak
7	16821.7822	53.16	16.14	74.00	-20.84	54.00	-0.84	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

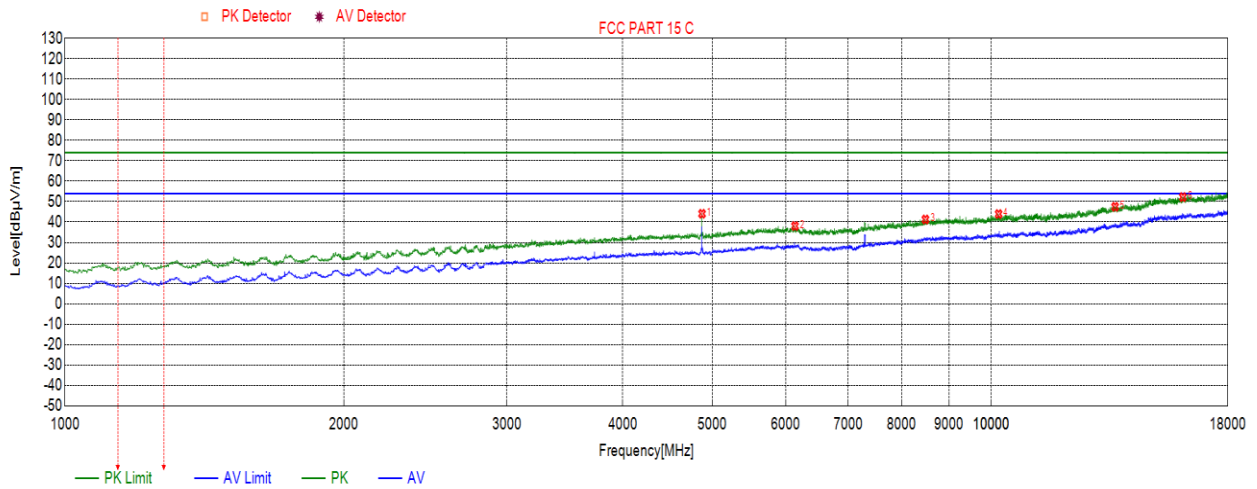
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3339.4339	31.19	-8.97	74.00	-42.81	54.00	-22.81	peak
2	4872.9873	38.42	-5.19	74.00	-35.58	54.00	-15.58	peak
3	7304.2304	38.92	0.27	74.00	-35.08	54.00	-15.08	peak
4	9735.4735	42.39	4.98	74.00	-31.61	54.00	-11.61	peak
5	12076.6077	45.08	8.05	74.00	-28.92	54.00	-8.92	peak
6	16197.8198	53.43	15.71	74.00	-20.57	54.00	-0.57	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

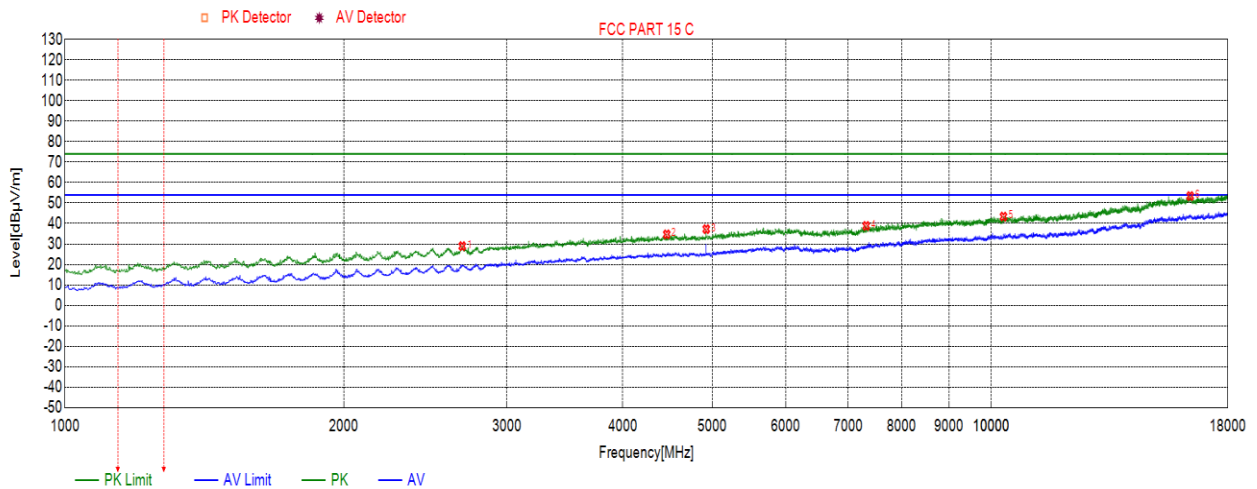
Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	4872.9873	44.09	-5.19	74.00	-29.91	54.00	-9.91	peak
2	6139.6140	38.03	-1.03	74.00	-35.97	54.00	-15.97	peak
3	8490.9491	41.26	2.81	74.00	-32.74	54.00	-12.74	peak
4	10184.3184	43.95	5.99	74.00	-30.05	54.00	-10.05	peak
5	13603.3603	47.49	11.06	74.00	-26.51	54.00	-6.51	peak
6	16097.5098	52.24	15.61	74.00	-21.76	54.00	-1.76	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

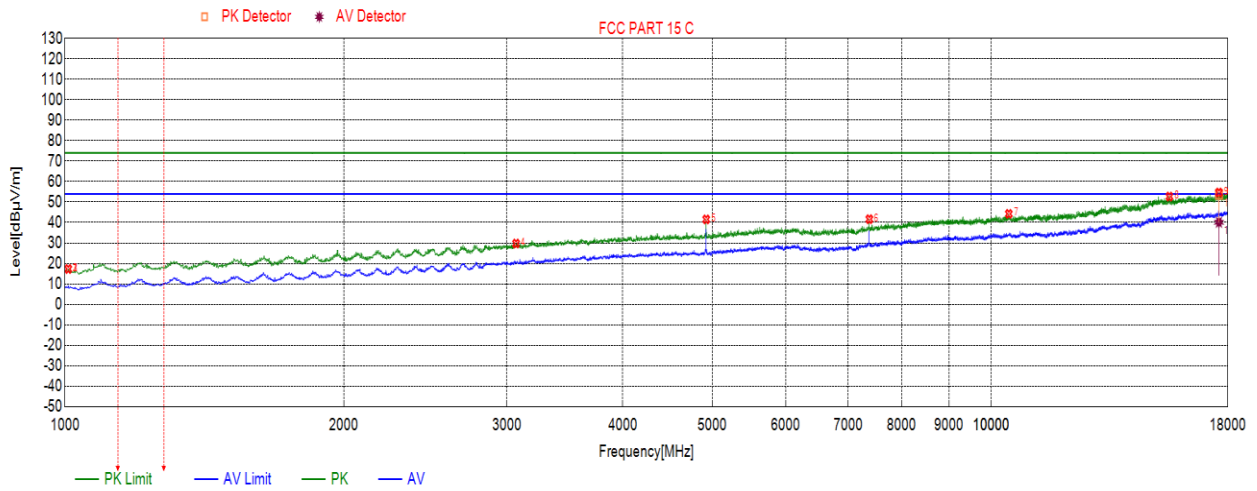
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	2684.8685	28.95	-11.36	74.00	-45.05	54.00	-25.05	peak
2	4463.2463	34.70	-5.54	74.00	-39.30	54.00	-19.3	peak
3	4923.9924	37.26	-5.17	74.00	-36.74	54.00	-16.74	peak
4	7328.0328	38.83	0.33	74.00	-35.17	54.00	-15.17	peak
5	10308.4308	43.38	6.13	74.00	-30.62	54.00	-10.62	peak
6	16395.0395	53.43	16.30	74.00	-20.57	54.00	-0.57	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

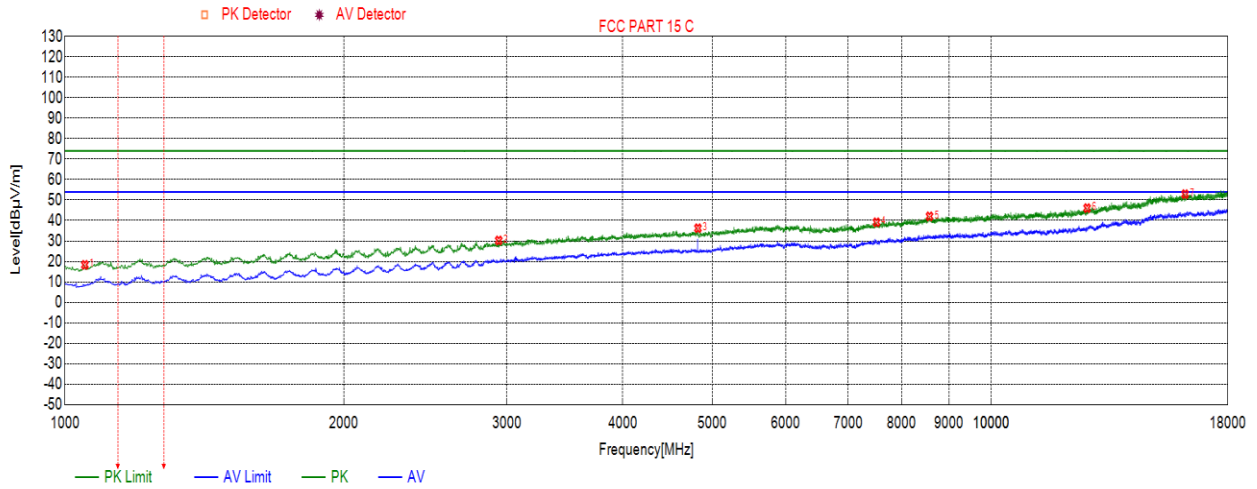
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1008.5009	17.27	-20.16	74.00	-56.73	54.00	-36.73	peak
2	3069.1069	29.72	-10.20	74.00	-44.28	54.00	-24.28	peak
3	4923.9924	41.52	-5.17	74.00	-32.48	54.00	-12.48	peak
4	7385.8386	41.62	0.59	74.00	-32.38	54.00	-12.38	peak
5	10444.4444	44.25	6.36	74.00	-29.75	54.00	-9.75	peak
6	15570.4570	52.69	14.88	74.00	-21.31	54.00	-1.31	peak
7	17610.6611	53.62	16.93	74.00	-20.38	54.00	-0.38	peak
		40.14	16.93			54.00	-13.86	average

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

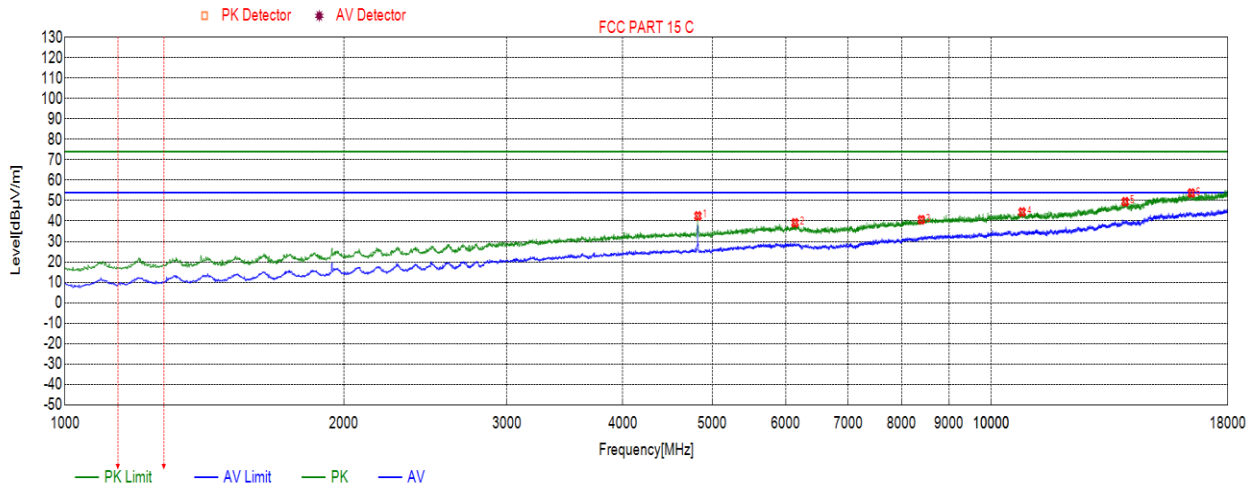
Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1051.0051	18.31	-19.93	74.00	-55.69	54.00	-35.69	peak
2	2939.8940	30.25	-10.73	74.00	-43.75	54.00	-23.75	peak
3	4823.6824	36.23	-5.19	74.00	-37.77	54.00	-17.77	peak
4	7518.4518	39.14	0.85	74.00	-34.86	54.00	-14.86	peak
5	8577.6578	42.04	3.25	74.00	-31.96	54.00	-11.96	peak
6	12688.6689	46.08	8.99	74.00	-27.92	54.00	-7.92	peak
7	16185.9186	52.89	15.70	74.00	-21.11	54.00	-1.11	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

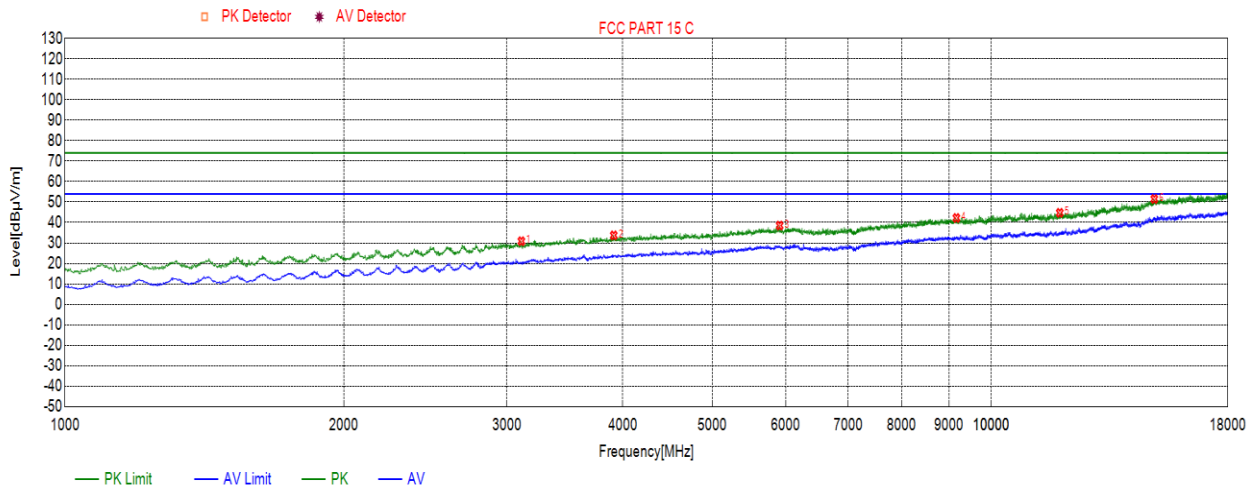
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	4823.6824	42.52	-5.19	74.00	-31.48	54.00	-11.48	peak
2	6139.6140	39.11	-1.03	74.00	-34.89	54.00	-14.89	peak
3	8405.9406	40.64	2.85	74.00	-33.36	54.00	-13.36	peak
4	10796.3796	44.41	6.80	74.00	-29.59	54.00	-9.59	peak
5	13951.8952	49.46	12.06	74.00	-24.54	54.00	-4.54	peak
6	16440.9441	53.74	16.15	74.00	-20.26	54.00	-0.26	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

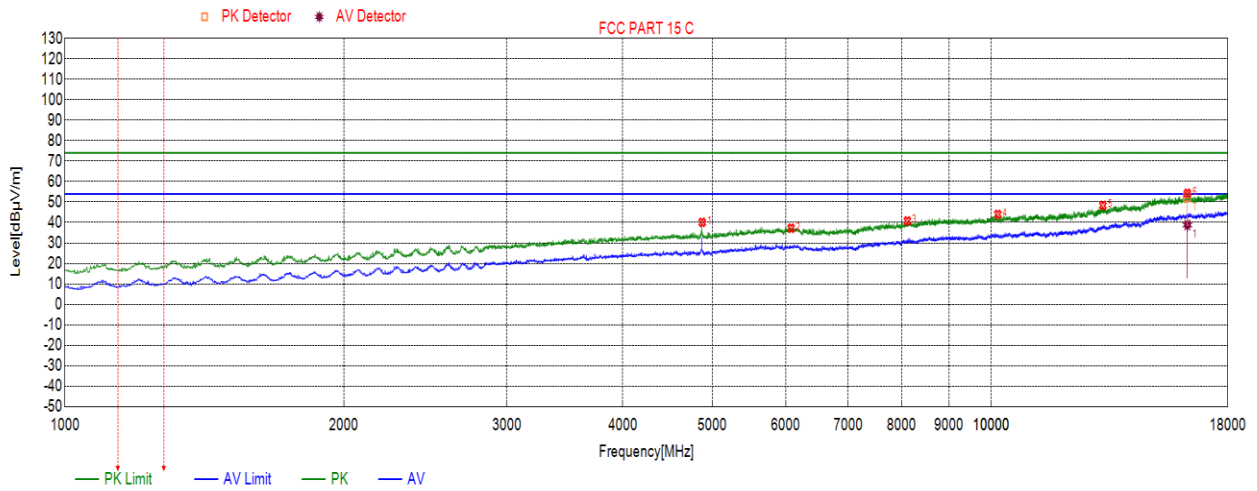
Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3109.9110	30.85	-10.25	74.00	-43.15	54.00	-23.15	peak
2	3912.3912	33.71	-6.49	74.00	-40.29	54.00	-20.29	peak
3	5910.0910	38.52	-1.71	74.00	-35.48	54.00	-15.48	peak
4	9169.3169	42.22	4.16	74.00	-31.78	54.00	-11.78	peak
5	11855.5856	44.74	7.75	74.00	-29.26	54.00	-9.26	peak
6	14995.7996	51.47	14.45	74.00	-22.53	54.00	-2.53	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

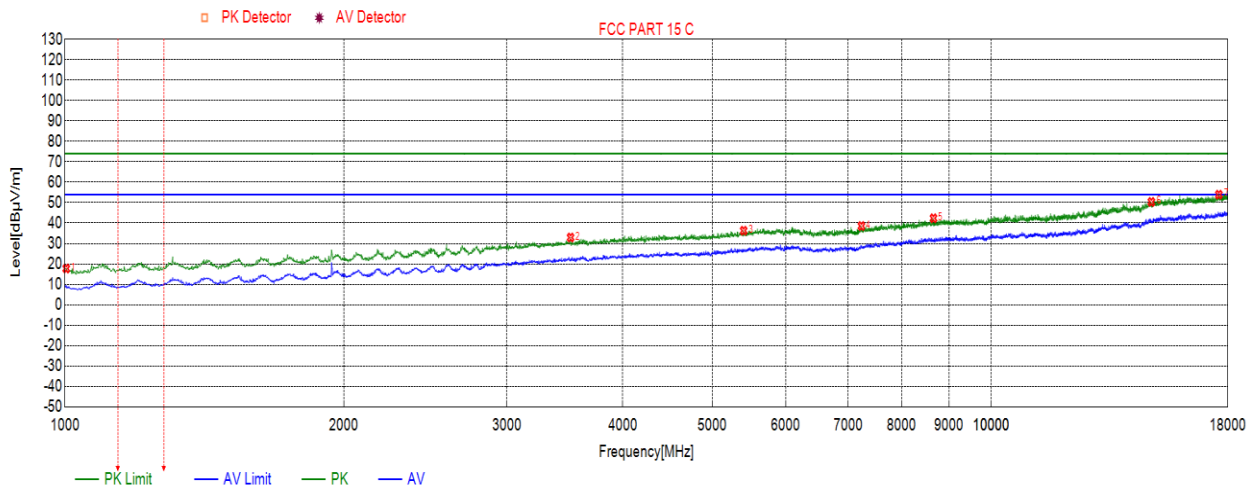
Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	4874.6875	40.09	-5.19	74.00	-33.91	54.00	-13.91	peak
2	6080.1080	37.23	-1.41	74.00	-36.77	54.00	-16.77	peak
3	8116.9117	40.78	2.16	74.00	-33.22	54.00	-13.22	peak
4	10163.9164	43.98	5.98	74.00	-30.02	54.00	-10.02	peak
5	13195.3195	48.30	10.14	74.00	-25.70	54.00	-5.7	peak
6	16281.1281	52.17	15.97	74.00	-21.83	54.00	-1.83	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

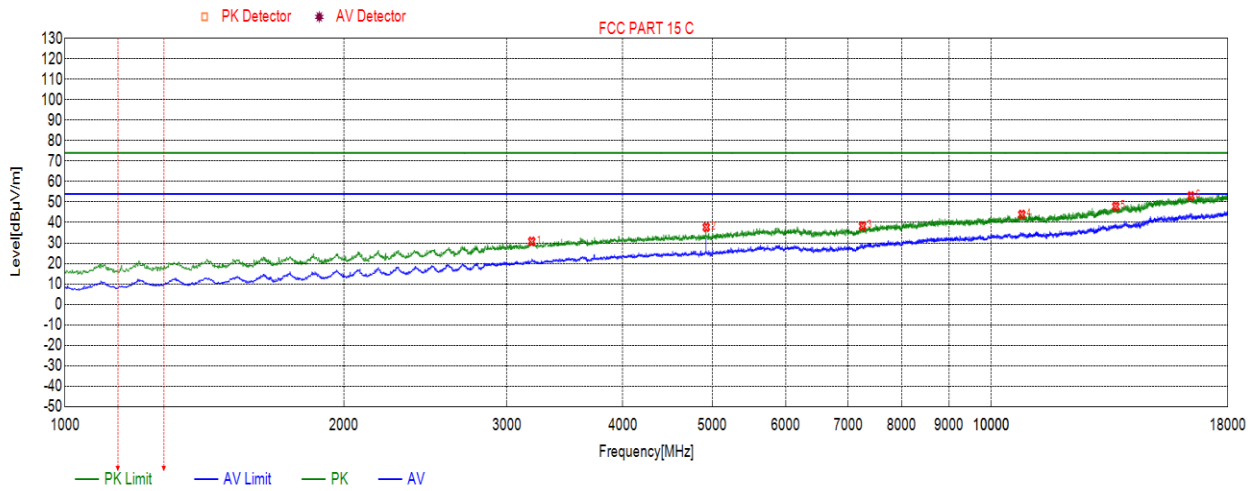
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1003.4003	17.73	-20.08	74.00	-56.27	54.00	-36.27	peak
2	3514.5515	32.93	-7.81	74.00	-41.07	54.00	-21.07	peak
3	5403.4403	36.26	-3.21	74.00	-37.74	54.00	-17.74	peak
4	7241.3241	38.56	0.24	74.00	-35.44	54.00	-15.44	peak
5	8660.9661	42.37	3.24	74.00	-31.63	54.00	-11.63	peak
6	14888.6889	50.37	14.30	74.00	-23.63	54.00	-3.63	peak
7	17607.2607	53.93	16.93	74.00	-20.07	54.00	-0.07	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

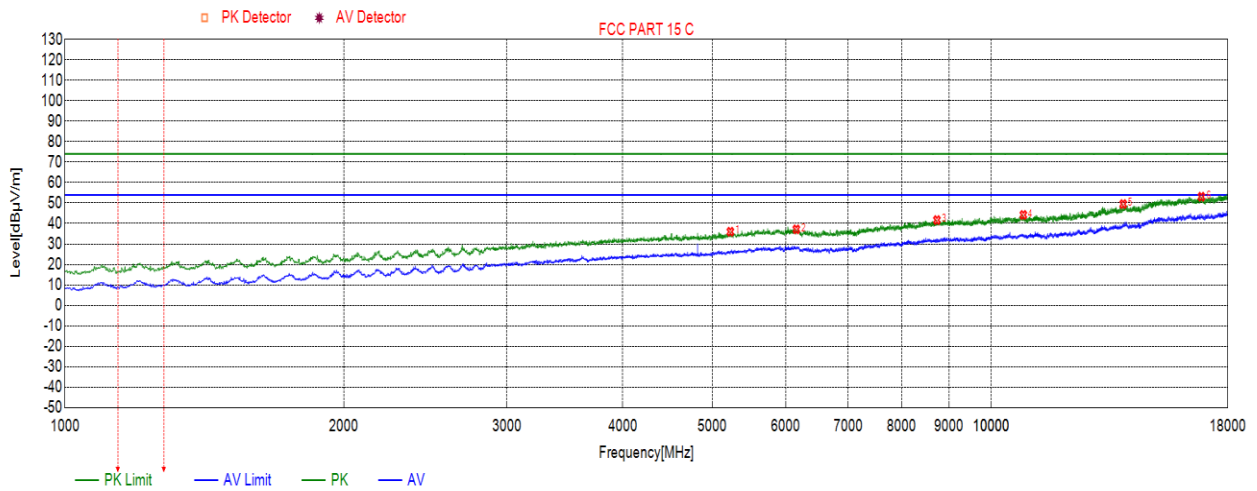
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3191.5192	30.76	-9.49	74.00	-43.24	54.00	-23.24	peak
2	4923.9924	37.68	-5.17	74.00	-36.32	54.00	-16.32	peak
3	7261.7262	38.22	0.25	74.00	-35.78	54.00	-15.78	peak
4	10789.5790	43.93	6.80	74.00	-30.07	54.00	-10.07	peak
5	13625.4625	47.86	11.08	74.00	-26.14	54.00	-6.14	peak
6	16425.6426	52.98	16.20	74.00	-21.02	54.00	-1.02	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

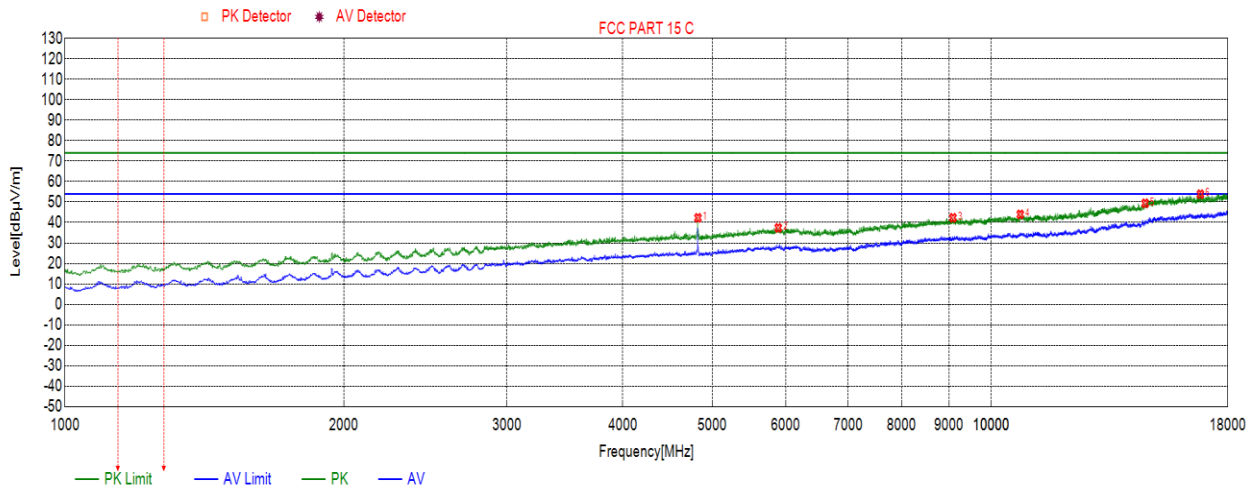
Test Mode	Channel	Polarization	Verdict
11NSISO20	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	5228.3228	35.98	-3.84	74.00	-38.02	54.00	-18.02	peak
2	6160.0160	37.16	-1.09	74.00	-36.84	54.00	-16.84	peak
3	8735.7736	41.67	3.31	74.00	-32.33	54.00	-12.33	peak
4	10830.3830	44.20	6.77	74.00	-29.80	54.00	-9.8	peak
5	13880.4880	49.50	11.65	74.00	-24.50	54.00	-4.5	peak
6	16859.1859	53.08	16.27	74.00	-20.92	54.00	-0.92	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

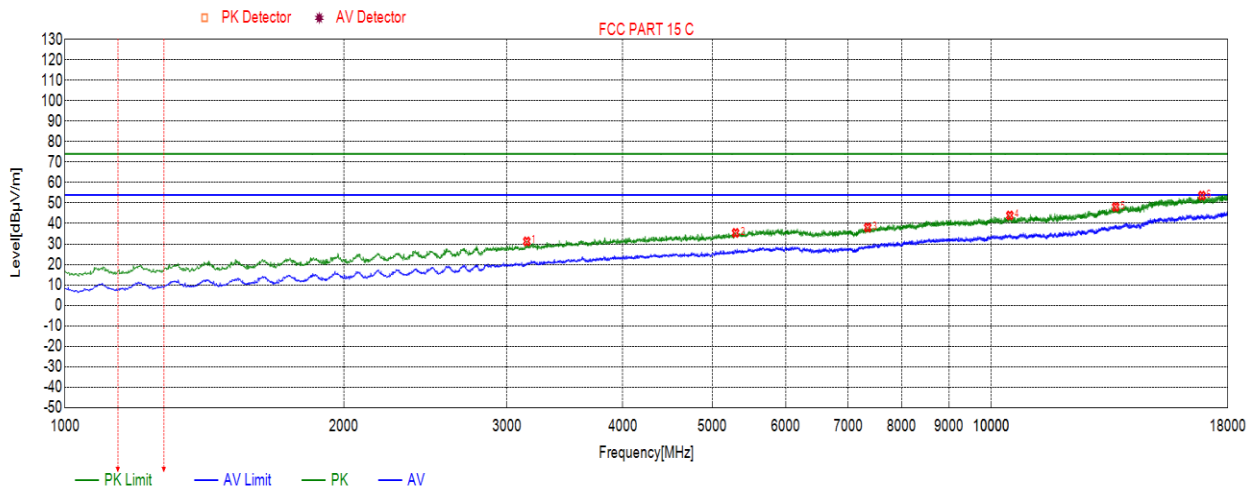
Test Mode	Channel	Polarization	Verdict
11NSISO20	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	4823.6824	42.30	-5.19	74.00	-31.70	54.00	-11.7	peak
2	5889.6890	37.38	-1.73	74.00	-36.62	54.00	-16.62	peak
3	9091.1091	42.30	4.04	74.00	-31.70	54.00	-11.7	peak
4	10747.0747	43.96	6.74	74.00	-30.04	54.00	-10.04	peak
5	14659.1659	49.40	13.04	74.00	-24.60	54.00	-4.6	peak
6	16816.6817	53.84	16.12	74.00	-20.16	54.00	-0.16	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

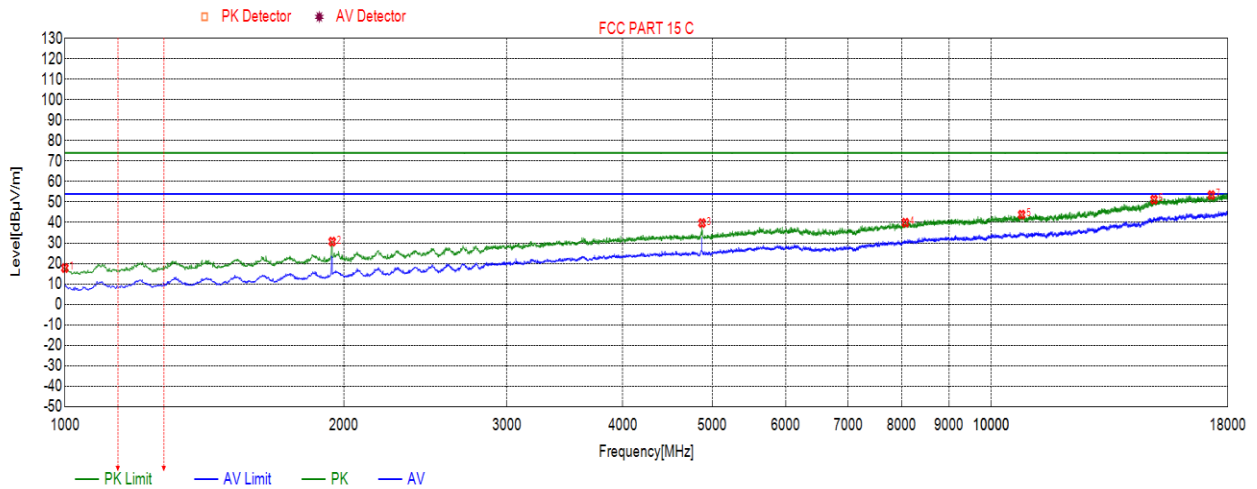
Test Mode	Channel	Polarization	Verdict
11NSISO20	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3152.4152	31.25	-9.83	74.00	-42.75	54.00	-22.75	peak
2	5296.3296	35.40	-3.47	74.00	-38.60	54.00	-18.6	peak
3	7355.2355	38.06	0.45	74.00	-35.94	54.00	-15.94	peak
4	10471.6472	43.95	6.40	74.00	-30.05	54.00	-10.05	peak
5	13622.0622	48.10	11.08	74.00	-25.90	54.00	-5.9	peak
6	16881.2881	53.65	16.32	74.00	-20.35	54.00	-0.35	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

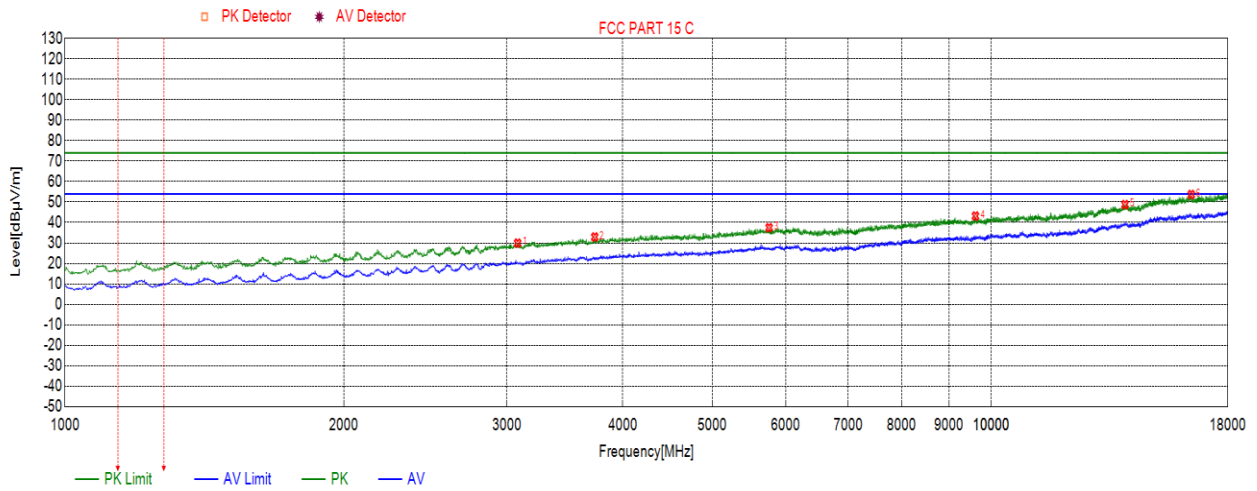
Test Mode	Channel	Polarization	Verdict
11NSISO20	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	1000.0000	17.74	-20.02	74.00	-56.26	54.00	-36.26	peak
2	1943.5944	30.65	-14.75	74.00	-43.35	54.00	-23.35	peak
3	4872.9873	39.74	-5.19	74.00	-34.26	54.00	-14.26	peak
4	8077.8078	39.92	1.85	74.00	-34.08	54.00	-14.08	peak
5	10784.4784	43.85	6.80	74.00	-30.15	54.00	-10.15	peak
6	14985.5986	51.22	14.38	74.00	-22.78	54.00	-2.78	peak
7	17279.1279	53.41	15.99	74.00	-20.59	54.00	-0.59	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

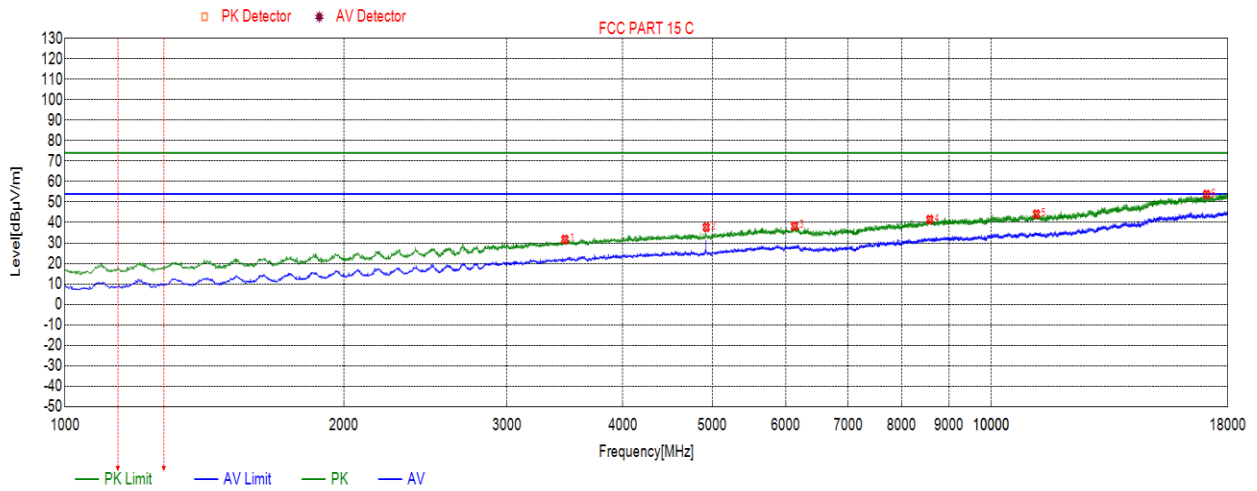
Test Mode	Channel	Polarization	Verdict
11NSISO20	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3081.0081	29.91	-10.12	74.00	-44.09	54.00	-24.09	peak
2	3732.1732	32.91	-7.52	74.00	-41.09	54.00	-21.09	peak
3	5757.0757	37.46	-2.17	74.00	-36.54	54.00	-16.54	peak
4	9614.7615	43.16	4.54	74.00	-30.84	54.00	-10.84	peak
5	13943.3943	48.76	12.01	74.00	-25.24	54.00	-5.24	peak
6	16437.5438	53.67	16.16	74.00	-20.33	54.00	-0.33	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

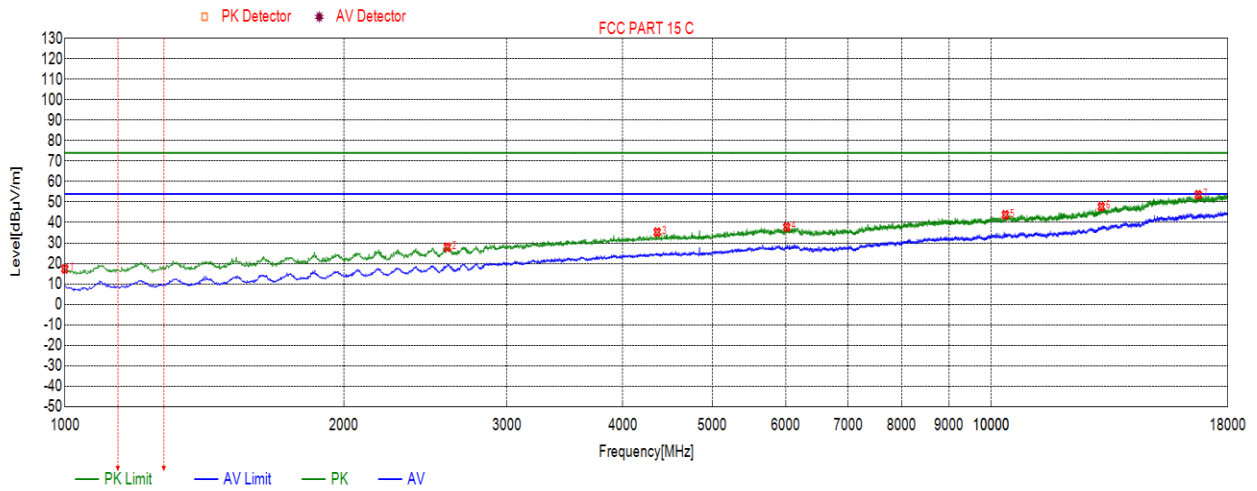
Test Mode	Channel	Polarization	Verdict
11NSISO20	HCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3465.2465	31.75	-8.33	74.00	-42.25	54.00	-22.25	peak
2	4923.9924	37.69	-5.17	74.00	-36.31	54.00	-16.31	peak
3	6132.8133	38.23	-1.00	74.00	-35.77	54.00	-15.77	peak
4	8582.7583	41.47	3.25	74.00	-32.53	54.00	-12.53	peak
5	11187.4187	44.10	6.98	74.00	-29.90	54.00	-9.9	peak
6	17075.1075	53.72	16.09	74.00	-20.28	54.00	-0.28	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

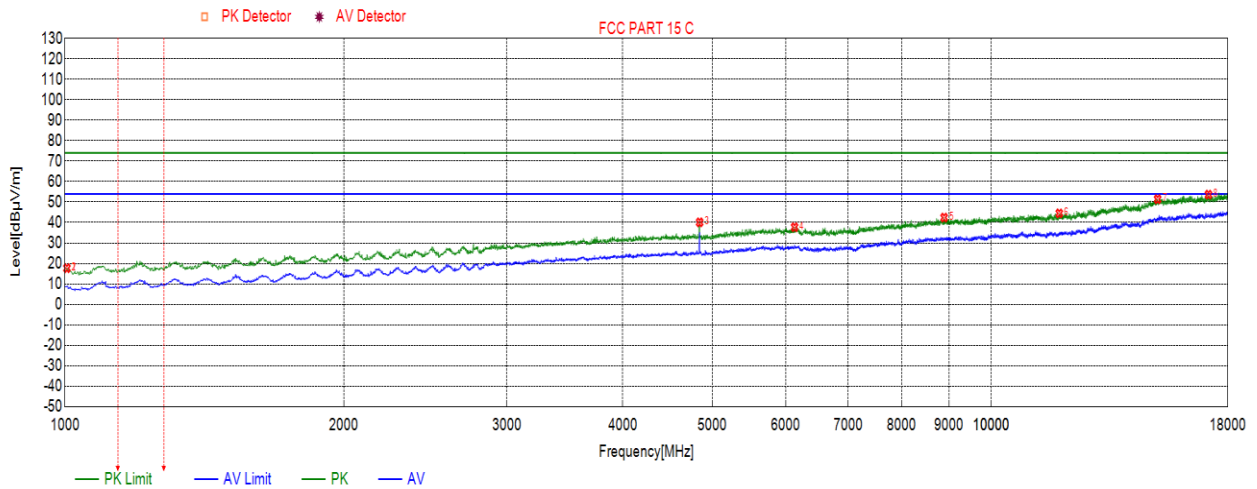
Test Mode	Channel	Polarization	Verdict
11NSISO40	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	2587.9588	27.87	-11.78	74.00	-46.13	54.00	-26.13	peak
2	4359.5360	35.28	-5.74	74.00	-38.72	54.00	-18.72	peak
3	6013.8014	37.77	-1.78	74.00	-36.23	54.00	-16.23	peak
4	10356.0356	43.76	6.23	74.00	-30.24	54.00	-10.24	peak
5	13146.0146	47.72	9.99	74.00	-26.28	54.00	-6.28	peak
6	16724.8725	53.56	15.79	74.00	-20.44	54.00	-0.44	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

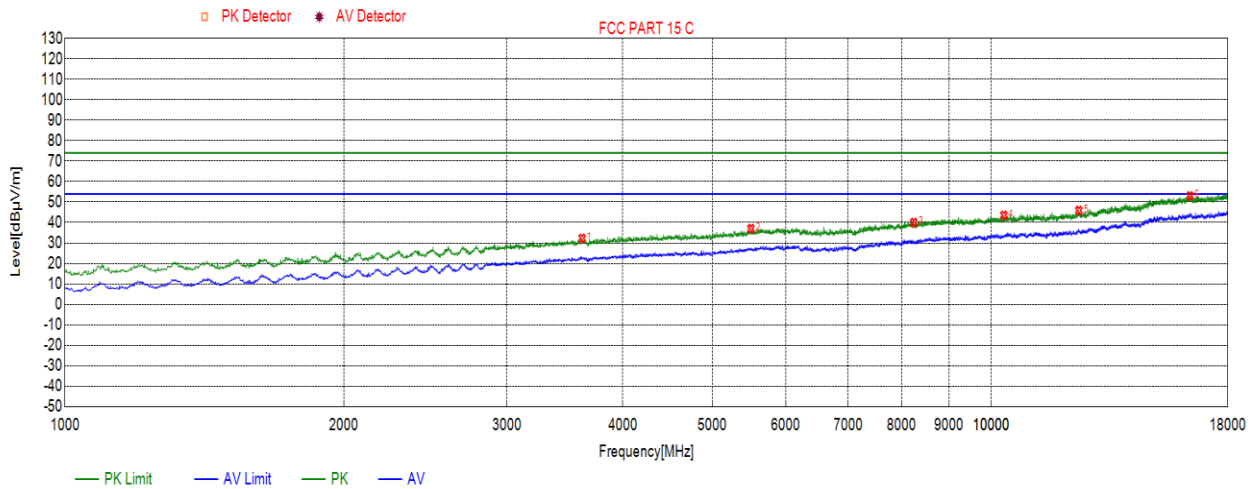
Test Mode	Channel	Polarization	Verdict
11NSISO40	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	4844.0844	40.09	-5.18	74.00	-33.91	54.00	-13.91	peak
2	6132.8133	37.70	-1.00	74.00	-36.30	54.00	-16.3	peak
3	8893.8894	42.42	3.64	74.00	-31.58	54.00	-11.58	peak
4	11840.2840	44.48	7.72	74.00	-29.52	54.00	-9.52	peak
5	15119.9120	51.40	14.69	74.00	-22.60	54.00	-2.6	peak
6	17156.7157	53.64	16.02	74.00	-20.36	54.00	-0.36	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

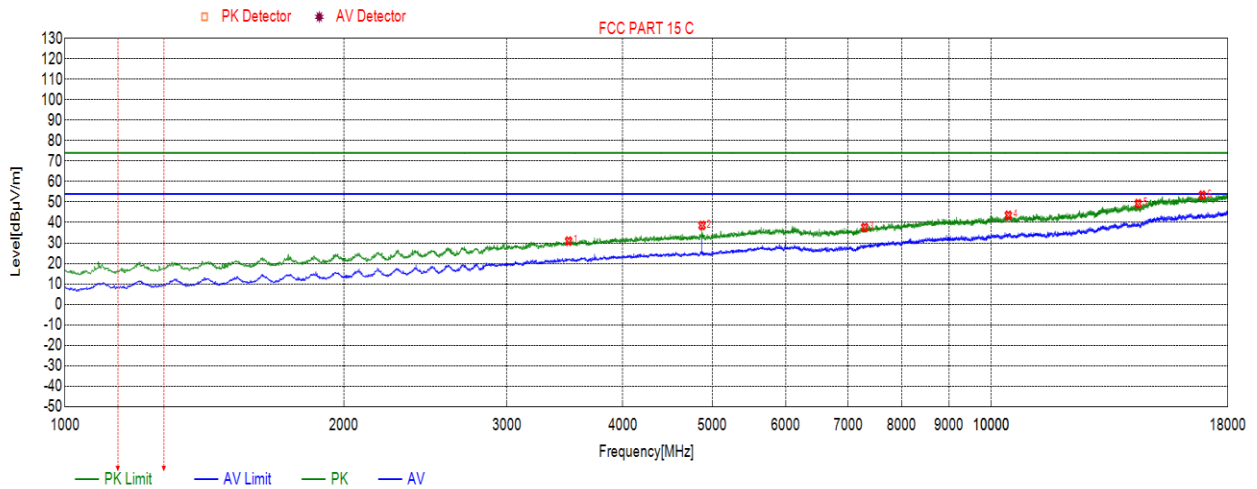
Test Mode	Channel	Polarization	Verdict
11NSISO40	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3616.5617	32.25	-7.61	74.00	-41.75	54.00	-21.75	peak
2	5502.0502	37.03	-2.70	74.00	-36.97	54.00	-16.97	peak
3	8246.1246	39.99	2.19	74.00	-34.01	54.00	-14.01	peak
4	10316.9317	43.54	6.15	74.00	-30.46	54.00	-10.46	peak
5	12430.2430	45.91	8.56	74.00	-28.09	54.00	-8.09	peak
6	16388.2388	53.00	16.32	74.00	-21.00	54.00	-1.00	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

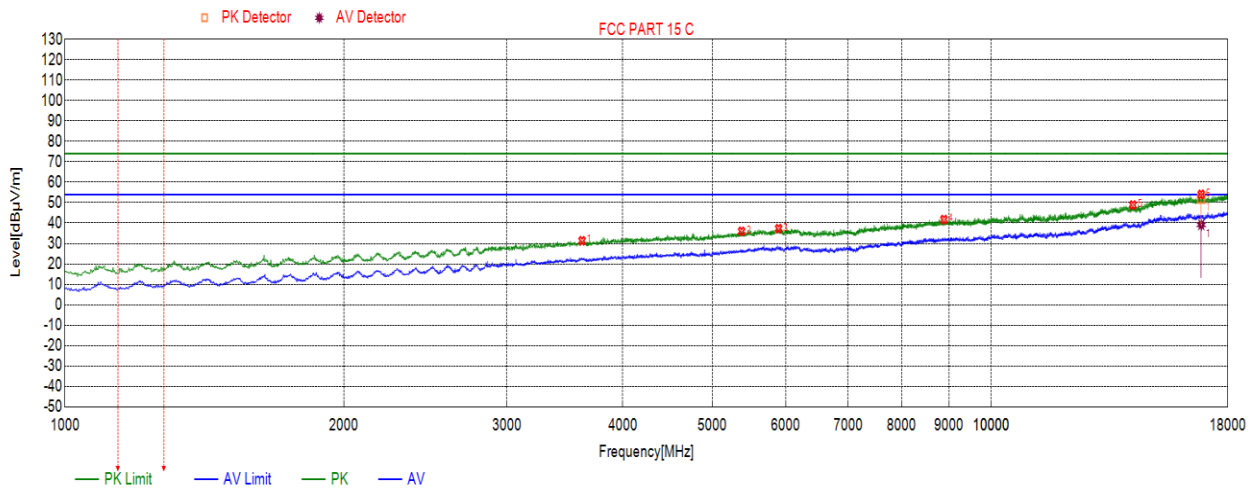
Test Mode	Channel	Polarization	Verdict
11NSISO40	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3497.5498	30.89	-7.75	74.00	-43.11	54.00	-23.11	peak
2	4872.9873	38.56	-5.19	74.00	-35.44	54.00	-15.44	peak
3	7300.8301	37.59	0.27	74.00	-36.41	54.00	-16.41	peak
4	10432.5433	43.50	6.34	74.00	-30.50	54.00	-10.5	peak
5	14407.5408	49.21	11.86	74.00	-24.79	54.00	-4.79	peak
6	16894.8895	53.32	16.30	74.00	-20.68	54.00	-0.68	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

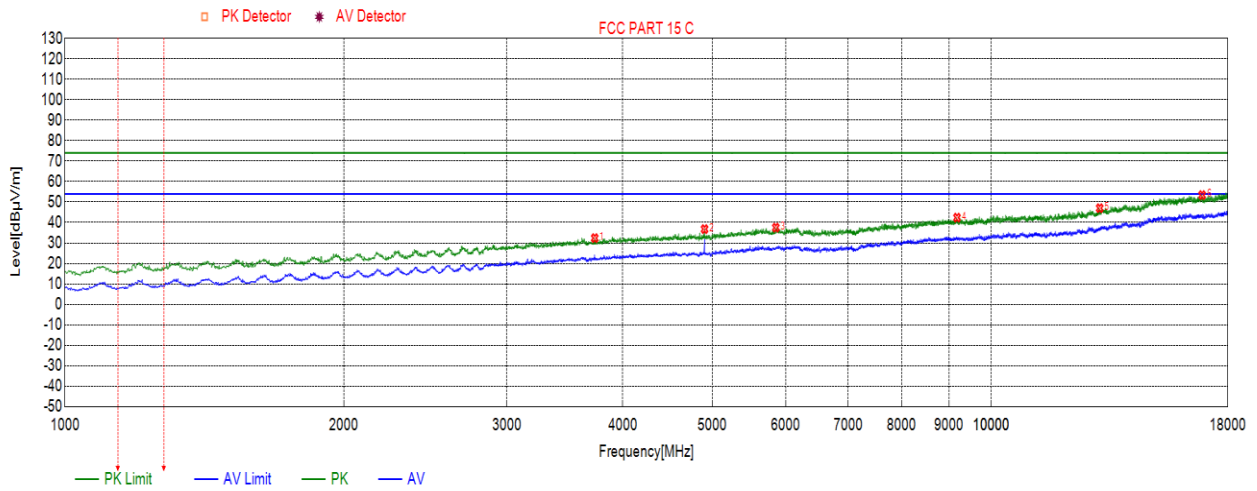
Test Mode	Channel	Polarization	Verdict
11NSISO40	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3616.5617	31.33	-7.61	74.00	-42.67	54.00	-22.67	peak
2	5376.2376	35.92	-3.25	74.00	-38.08	54.00	-18.08	peak
3	5894.7895	37.27	-1.72	74.00	-36.73	54.00	-16.73	peak
4	8890.4890	41.71	3.63	74.00	-32.29	54.00	-12.29	peak
5	14220.5221	48.83	11.94	74.00	-25.17	54.00	-5.17	peak
6	16852.3852	52.11	16.25	74.00	-21.89	54.00	-1.89	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11NSISO40	HCH	Vertical	PASS



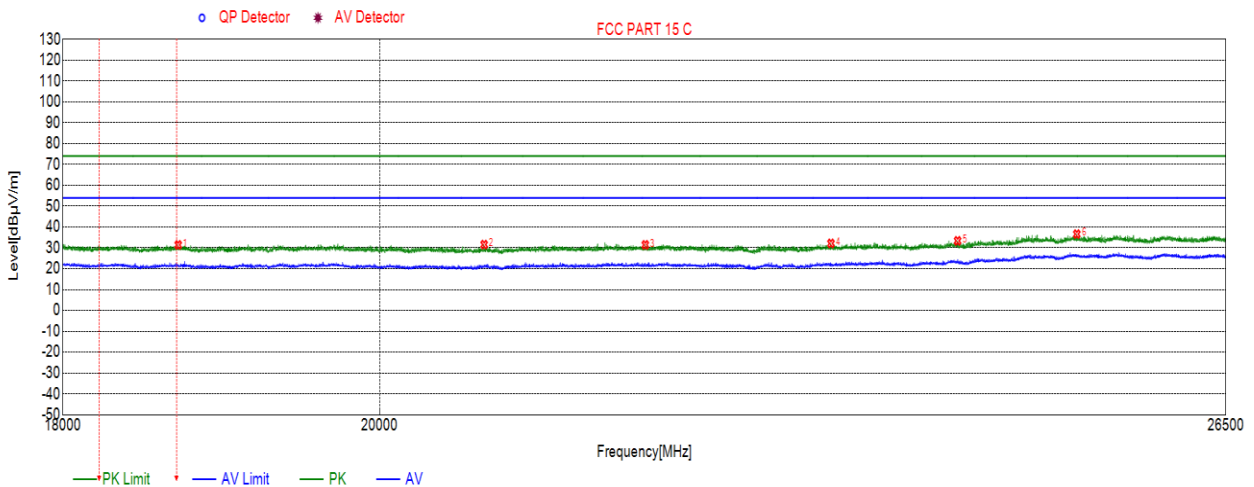
No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	3732.1732	32.37	-7.52	74.00	-41.63	54.00	-21.63	peak
2	4903.5904	36.78	-5.24	74.00	-37.22	54.00	-17.22	peak
3	5853.9854	37.50	-1.90	74.00	-36.50	54.00	-16.5	peak
4	9182.9183	42.40	4.17	74.00	-31.60	54.00	-11.6	peak
5	13093.3093	47.01	9.73	74.00	-26.99	54.00	-6.99	peak
6	16888.0888	53.40	16.31	74.00	-20.60	54.00	-0.6	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.4. SPURIOUS EMISSIONS 18G ~ 26GHz

SPURIOUS EMISSIONS 18GHz TO 26GHz (WORST-CASE CONFIGURATION)

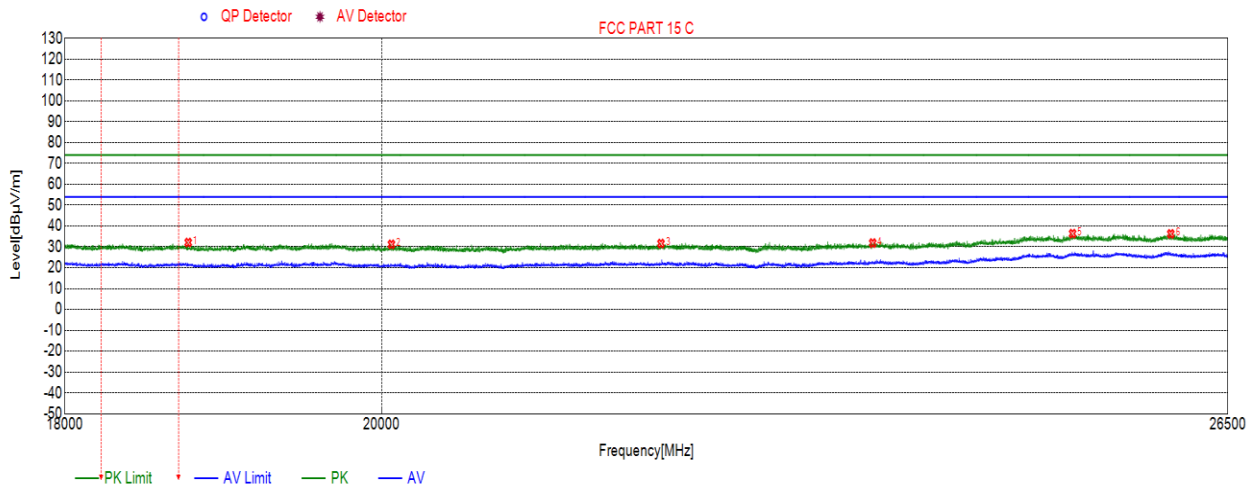
Test Mode	Channel	Polarization	Verdict
11NSISO40	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	18703.8704	31.43	-6.35	74.00	-42.57	54.00	-22.57	peak
2	20707.5208	31.57	-6.14	74.00	-42.43	54.00	-22.43	peak
3	21847.4847	31.45	-5.40	74.00	-42.55	54.00	-22.55	peak
4	23239.0739	32.14	-5.76	74.00	-41.86	54.00	-21.86	peak
5	24238.7739	33.39	-4.58	74.00	-40.61	54.00	-20.61	peak
6	25218.9219	36.61	-2.10	74.00	-37.39	54.00	-17.39	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

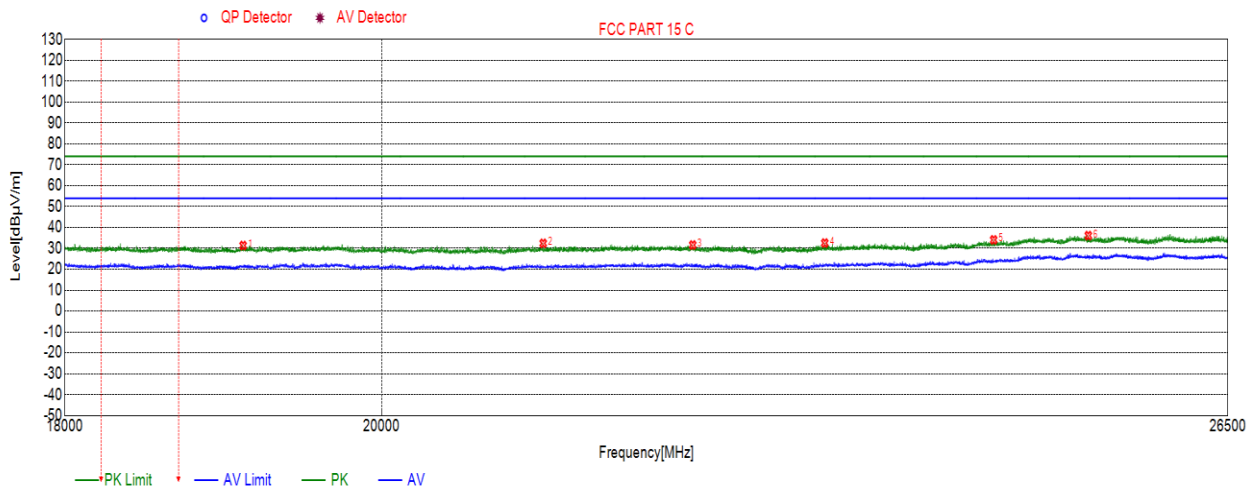
Test Mode	Channel	Polarization	Verdict
11NSISO40	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	18754.0254	32.09	-6.35	74.00	-41.91	54.00	-21.91	peak
2	20064.8565	31.20	-5.74	74.00	-42.80	54.00	-22.8	peak
3	21946.9447	31.61	-5.38	74.00	-42.39	54.00	-22.39	peak
4	23548.5049	31.82	-5.27	74.00	-42.18	54.00	-22.18	peak
5	25167.0667	36.36	-2.18	74.00	-37.64	54.00	-17.64	peak
6	26002.7003	36.24	-1.28	74.00	-37.76	54.00	-17.76	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

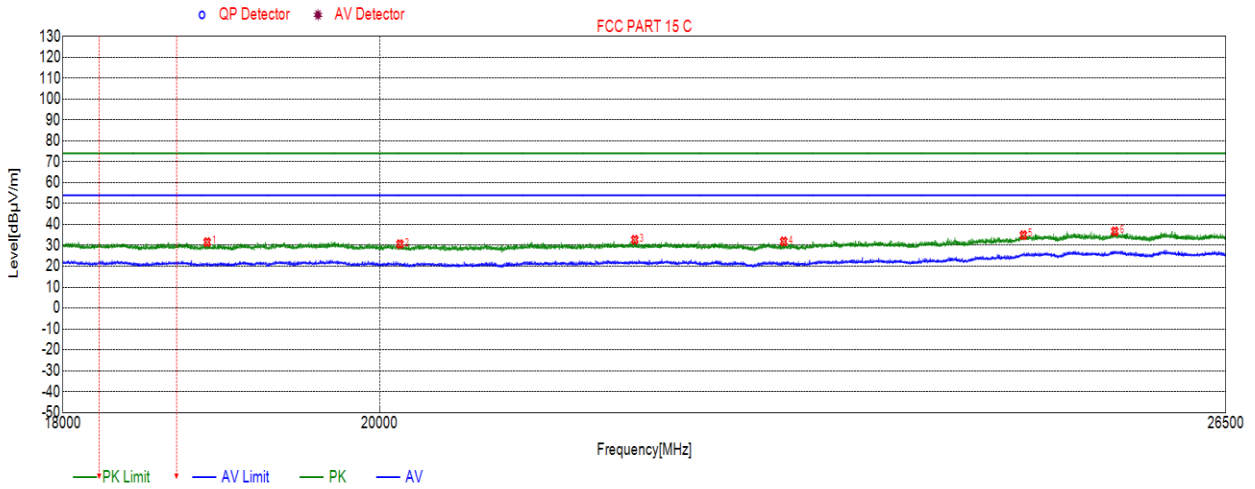
Test Mode	Channel	Polarization	Verdict
11NSISO40	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	19099.1599	31.35	-6.26	74.00	-42.65	54.00	-22.65	peak
2	21103.6604	32.41	-5.71	74.00	-41.59	54.00	-21.59	peak
3	22179.8680	31.60	-5.69	74.00	-42.40	54.00	-22.4	peak
4	23176.1676	32.55	-5.86	74.00	-41.45	54.00	-21.45	peak
5	24515.0515	34.06	-3.63	74.00	-39.94	54.00	-19.94	peak
6	25298.8299	36.11	-1.95	74.00	-37.89	54.00	-17.89	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

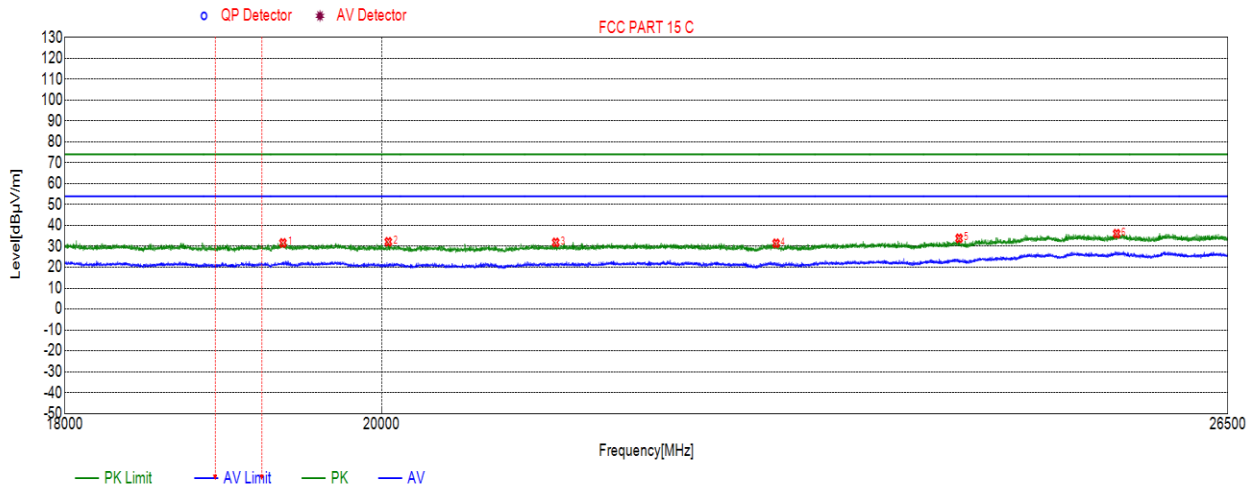
Test Mode	Channel	Polarization	Verdict
11NSISO40	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	18884.9385	31.56	-6.41	74.00	-42.44	54.00	-22.44	peak
2	20135.4135	30.59	-5.85	74.00	-43.41	54.00	-23.41	peak
3	21770.9771	32.70	-5.41	74.00	-41.30	54.00	-21.3	peak
4	22876.9377	31.90	-6.16	74.00	-42.10	54.00	-22.1	peak
5	24775.1775	34.90	-3.01	74.00	-39.10	54.00	-19.1	peak
6	25539.4039	36.69	-1.51	74.00	-37.31	54.00	-17.31	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

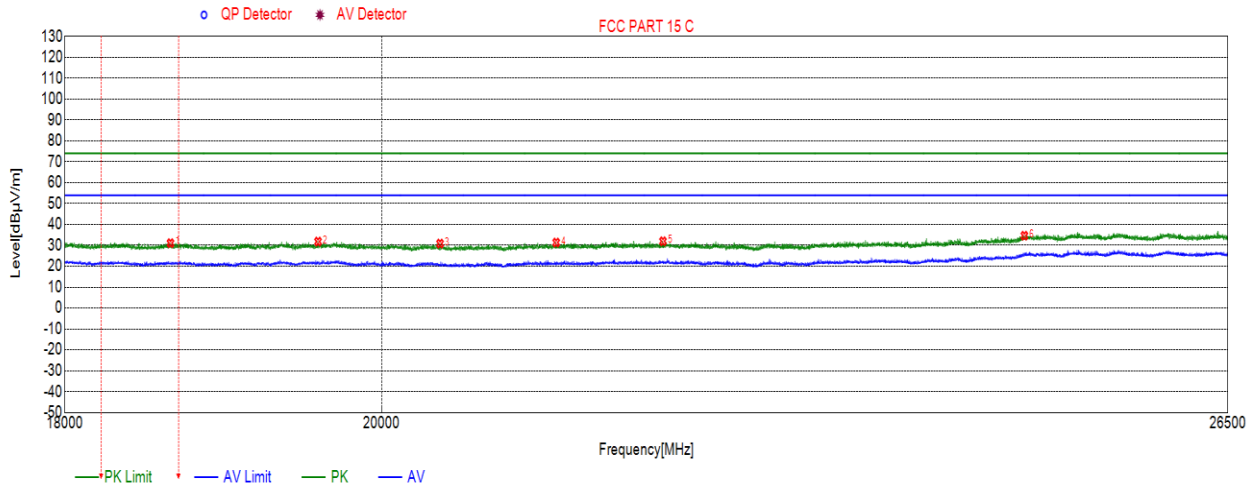
Test Mode	Channel	Polarization	Verdict
11NSISO40	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	19354.1854	31.64	-5.92	74.00	-42.36	54.00	-22.36	peak
2	20044.4544	32.18	-5.70	74.00	-41.82	54.00	-21.82	peak
3	21192.0692	31.89	-5.68	74.00	-42.11	54.00	-22.11	peak
4	22803.8304	31.46	-6.15	74.00	-42.54	54.00	-22.54	peak
5	24234.5235	33.84	-4.60	74.00	-40.16	54.00	-20.16	peak
6	25538.5539	36.06	-1.51	74.00	-37.94	54.00	-17.94	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11NSISO40	HCH	Vertical	PASS



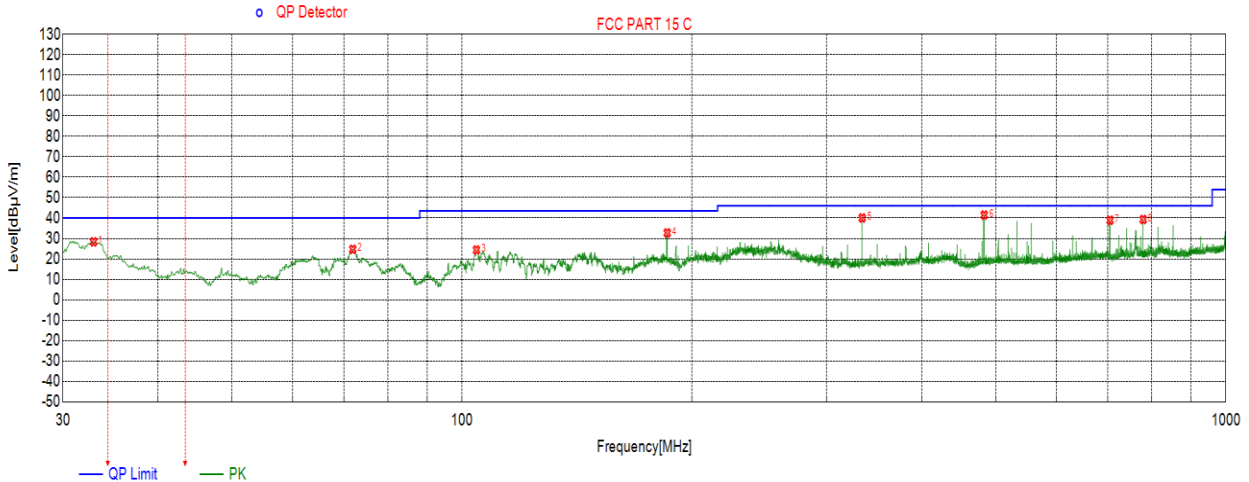
No.	Frequency (MHz)	Result (dBuV /m)	Factor (dB)	Limit (Peak) (dBuV/m)	Margin (Peak) (dB)	Limit (Ave) (dBuV/m)	Margin (Ave) (dB)	Remark
1	18643.5144	31.06	-6.36	74.00	-42.94	54.00	-22.94	peak
2	19581.1581	31.82	-5.63	74.00	-42.18	54.00	-22.18	peak
3	20392.1392	30.86	-6.27	74.00	-43.14	54.00	-23.14	peak
4	21195.4695	31.35	-5.68	74.00	-42.65	54.00	-22.65	peak
5	21961.3961	31.97	-5.38	74.00	-42.03	54.00	-22.03	peak
6	24766.6767	34.64	-3.03	74.00	-39.36	54.00	-19.36	peak

Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6.6.5. SPURIOUS EMISSIONS 30M ~ 1GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

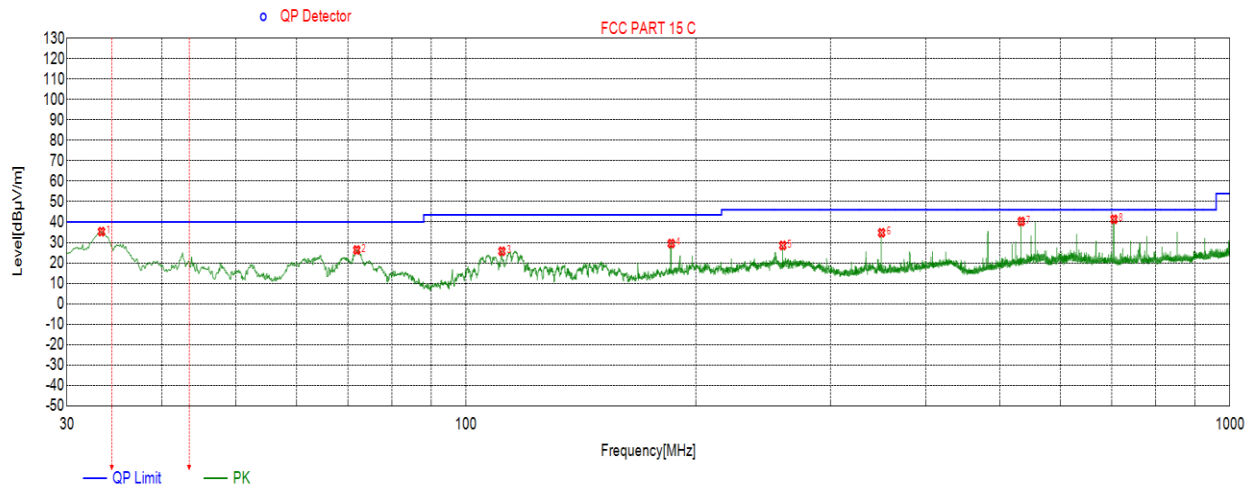
Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.9103	28.34	-26.36	40.00	-11.66	QP
2	71.9082	24.70	-28.75	40.00	-15.30	QP
3	104.4064	24.37	-29.28	43.50	-19.13	QP
4	185.6036	32.72	-24.71	43.50	-10.78	QP
5	334.1254	40.06	-23.38	46.00	-5.94	QP
6	482.6473	41.49	-18.29	46.00	-4.51	QP
7	705.3815	38.92	-14.92	46.00	-7.08	QP
8	779.6910	39.33	-13.54	46.00	-6.67	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

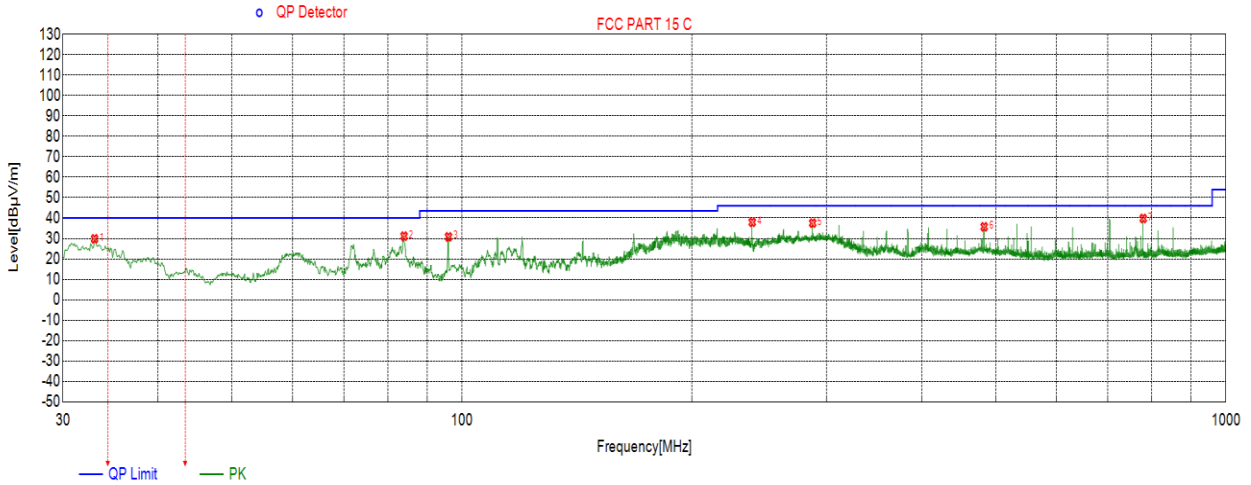
Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Remark
1	33.2983	35.31	-26.44	40.00	-4.69	QP
2	71.9082	26.30	-28.75	40.00	-13.70	QP
3	111.3911	25.69	-28.33	43.50	-17.81	QP
4	185.6036	29.49	-24.71	43.50	-14.01	QP
5	259.8160	28.54	-24.96	46.00	-17.46	QP
6	350.0350	34.76	-22.46	46.00	-11.24	QP
7	533.3833	40.29	-16.92	46.00	-5.71	QP
8	705.3815	41.35	-14.92	46.00	-4.65	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

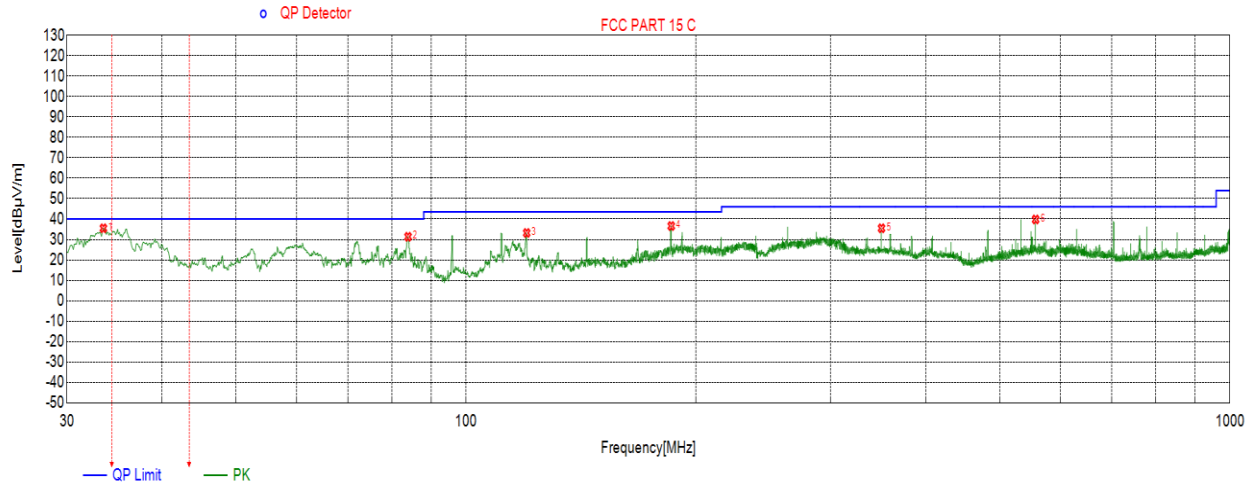
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.0073	29.83	-26.38	40.00	-10.17	QP
2	83.9374	31.14	-29.89	40.00	-8.86	QP
3	95.9666	30.79	-30.19	43.50	-12.71	QP
4	239.8320	37.96	-25.70	46.00	-8.04	QP
5	287.7548	37.51	-24.45	46.00	-8.49	QP
6	482.6473	35.72	-18.29	46.00	-10.28	QP
7	779.6910	39.81	-13.54	46.00	-6.19	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

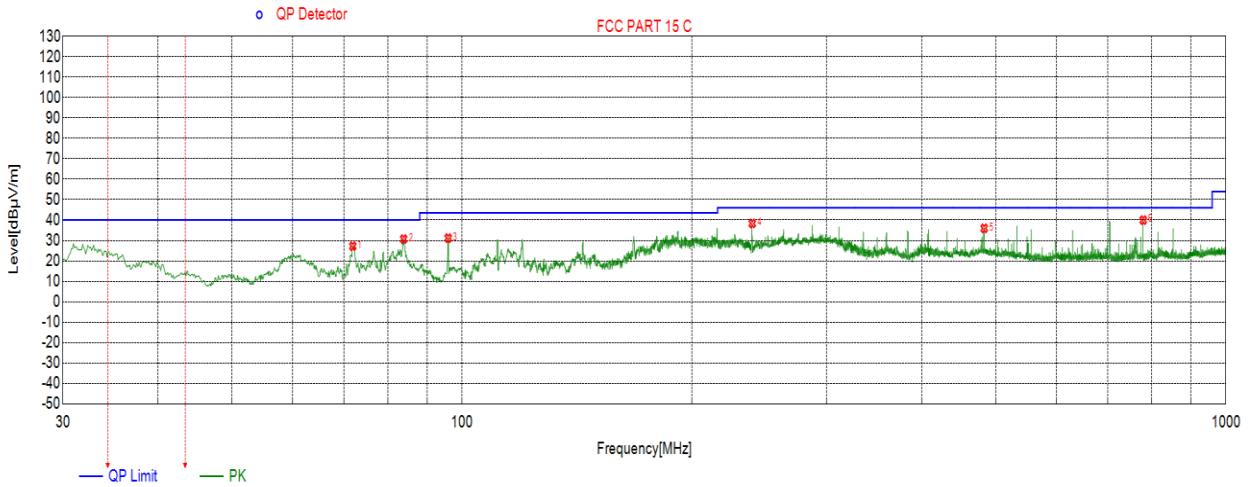
Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



No.	Frequency (MHz)	Result (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Remark
1	33.4923	35.49	-26.47	40.00	-4.51	QP
2	83.9374	31.33	-29.89	40.00	-8.67	QP
3	120.0250	33.19	-27.73	43.50	-10.31	QP
4	185.6036	36.60	-24.71	43.50	-6.90	QP
5	349.9380	35.50	-22.47	46.00	-10.50	QP
6	556.8597	39.81	-16.78	46.00	-6.19	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

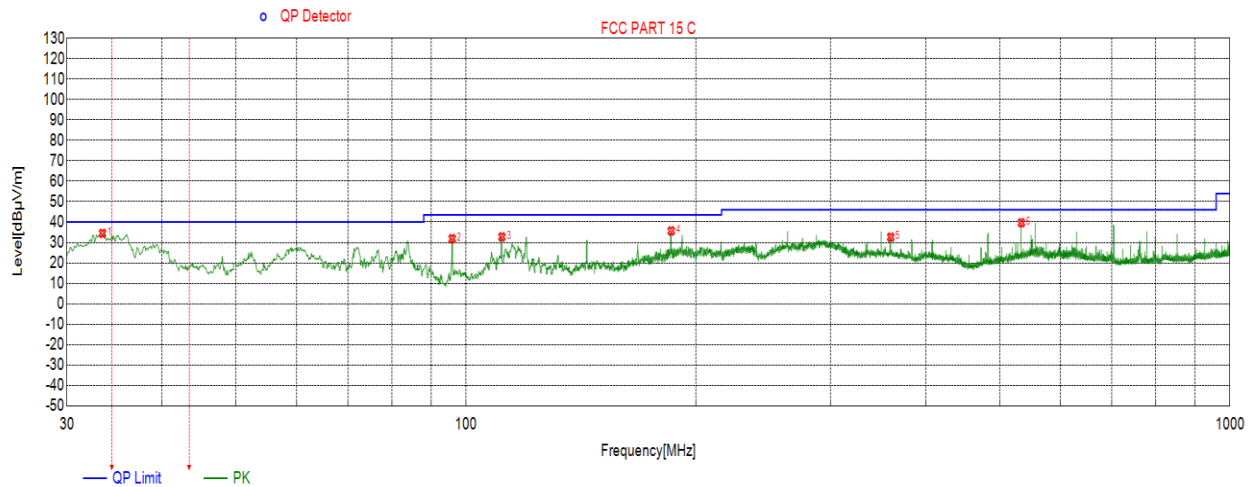
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	71.9082	27.21	-28.75	40.00	-12.79	QP
2	83.8404	30.69	-29.88	40.00	-9.31	QP
3	95.8696	31.17	-30.20	43.50	-12.33	QP
4	239.8320	38.35	-25.70	46.00	-7.65	QP
5	482.6473	35.95	-18.29	46.00	-10.05	QP
6	779.6910	39.98	-13.54	46.00	-6.02	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



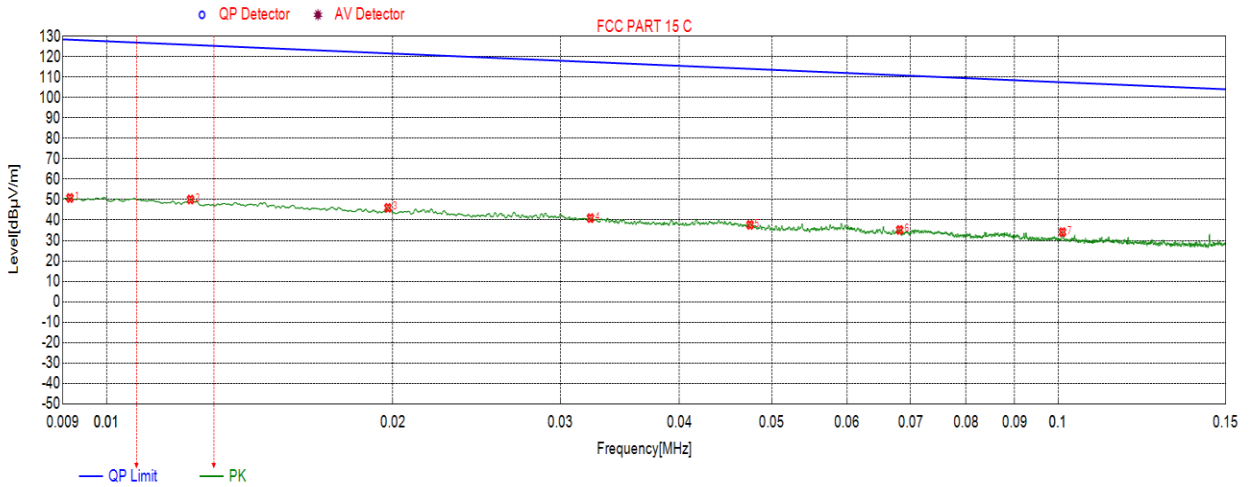
No.	Frequency (MHz)	Result (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Remark
1	33.3953	34.48	-26.46	40.00	-5.52	QP
2	95.8696	31.86	-30.20	43.50	-11.64	QP
3	111.3911	32.75	-28.33	43.50	-10.75	QP
4	185.6036	35.67	-24.71	43.50	-7.83	QP
5	359.7360	32.59	-22.11	46.00	-13.41	QP
6	533.3833	39.65	-16.92	46.00	-6.35	QP

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

6.6.6.SPURIOUS EMISSIONS BELOW 30M

SPURIOUS EMISSIONS Below 30MHz (WORST-CASE CONFIGURATION)

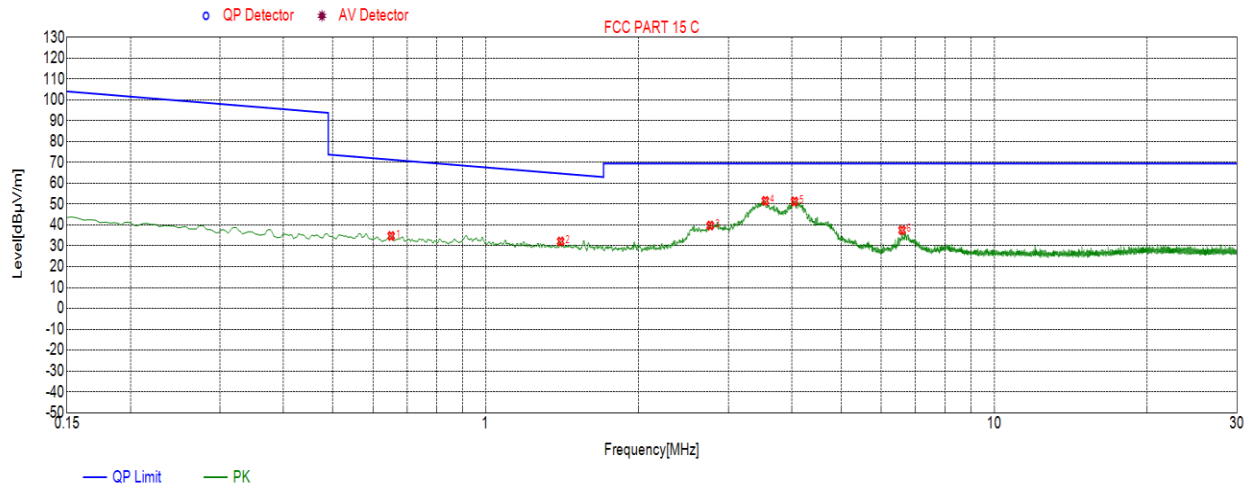
Test Mode	Channel	Frequency Range	Verdict
11B	LCH	9KHz~150KHz	PASS



No.	Frequency (KHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0092	50.81	19.17	128.34	-77.53	Peak
2	0.0123	50.06	19.57	125.82	-75.76	Peak
3	0.0198	45.98	19.79	121.66	-75.68	Peak
4	0.0323	40.94	19.76	117.42	-76.48	Peak
5	0.0475	37.63	19.71	114.05	-76.42	Peak
6	0.0682	35.15	19.77	110.92	-75.77	Peak
7	0.1011	34.09	19.31	107.50	-73.41	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

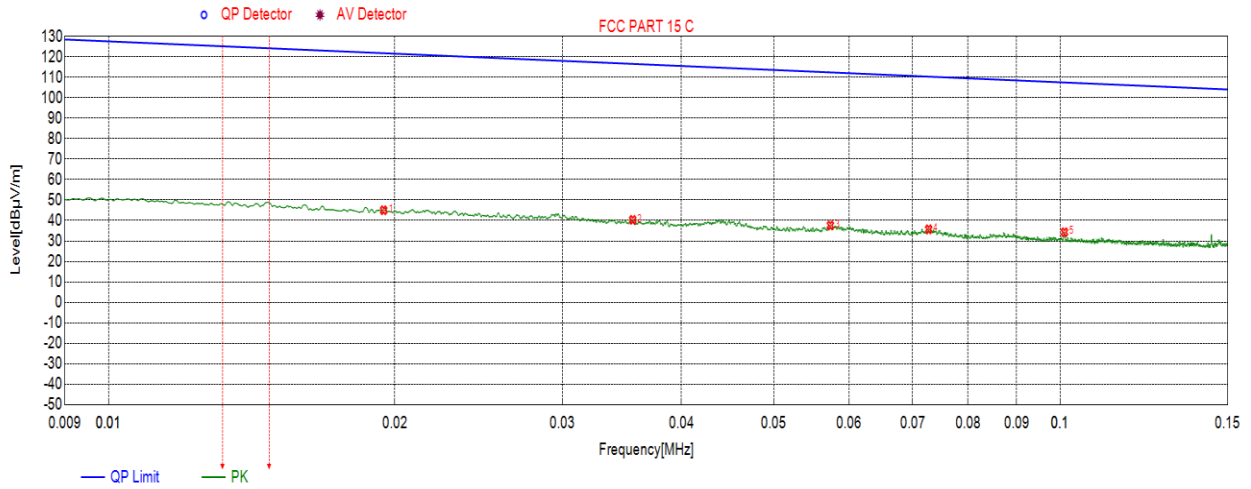
Test Mode	Channel	Frequency Range	Verdict
11B	LCH	150KHz~30MHz	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6515	34.76	19.89	71.33	-36.57	Peak
2	1.4038	32.14	20.02	64.68	-32.54	Peak
3	2.7651	39.76	20.12	69.50	-29.74	Peak
4	3.5473	51.60	20.17	69.50	-17.90	Peak
5	4.0488	51.30	20.18	69.50	-18.20	Peak
6	6.5893	37.52	20.28	69.50	-31.98	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

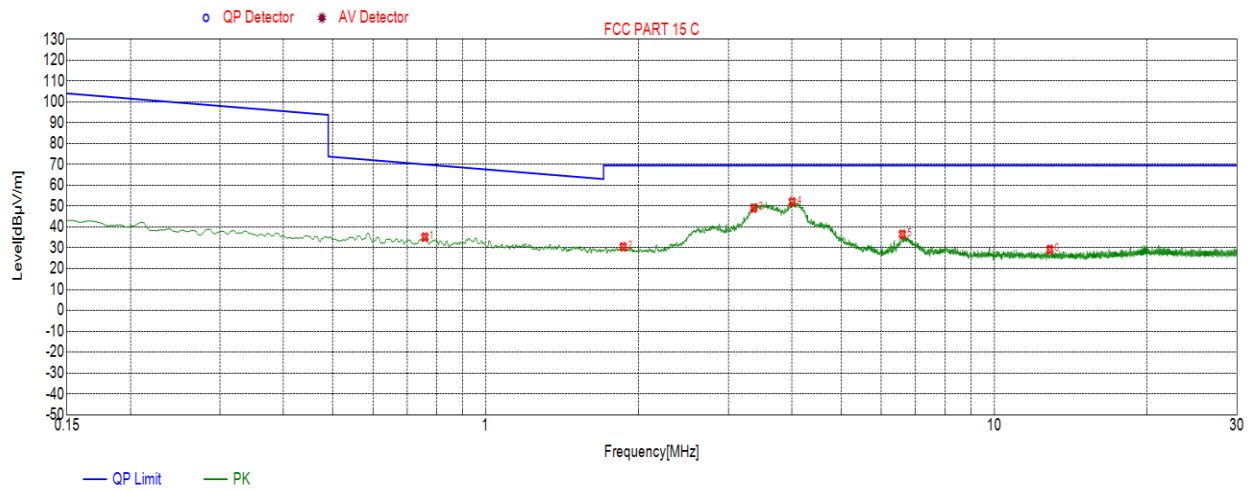
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9KHz~150KHz	PASS



No.	Frequency (KHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0195	45.04	19.79	121.77	-76.73	Peak
2	0.0356	40.31	19.75	116.57	-76.26	Peak
3	0.0574	37.60	19.73	112.42	-74.82	Peak
4	0.0728	35.72	19.79	110.35	-74.63	Peak
5	0.1011	34.27	19.31	107.51	-73.24	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

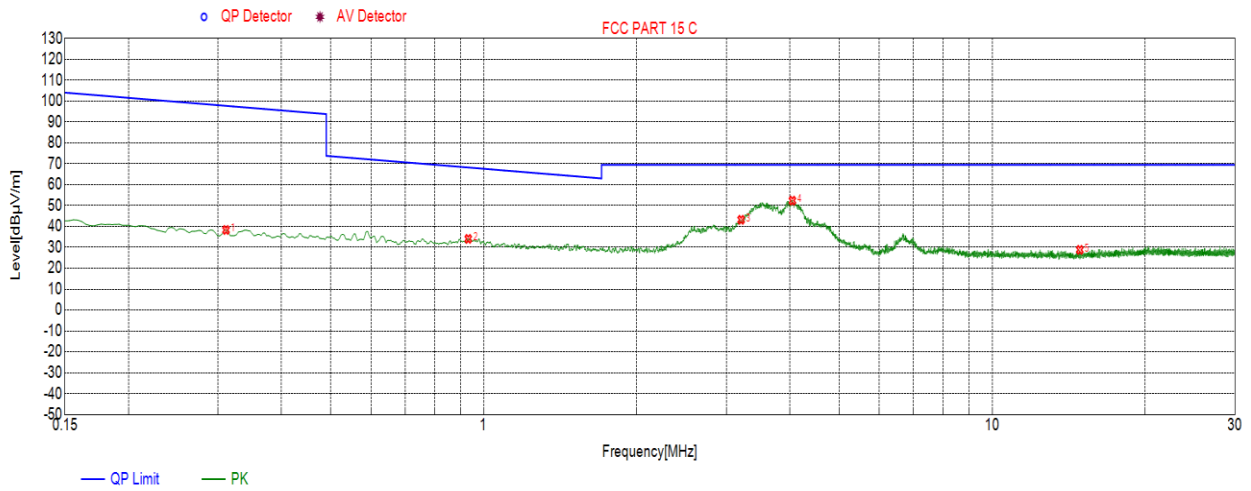
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150KHz~30MHz	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.7590	35.16	20.03	70.01	-34.85	Peak
2	1.8636	30.48	20.00	69.50	-39.02	Peak
3	3.3652	49.08	20.16	69.50	-20.42	Peak
4	4.0070	52.03	20.18	69.50	-17.47	Peak
5	6.5982	36.50	20.28	69.50	-33.00	Peak
6	12.8674	29.26	20.31	69.50	-40.24	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

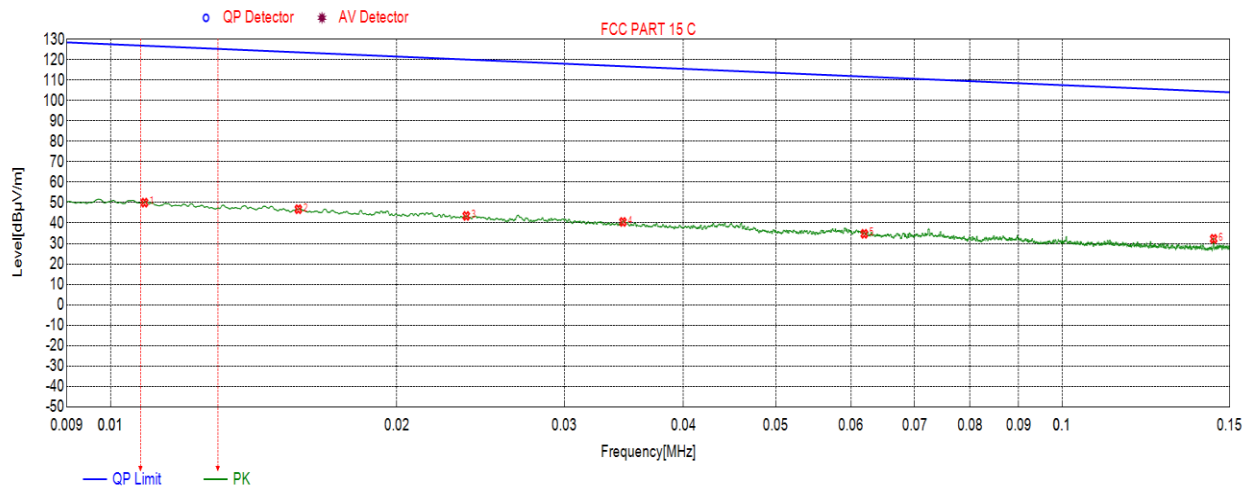
Test Mode	Channel	Frequency Range	Verdict
11B	HCH	9KHz~150KHz	PASS



No.	Frequency (KHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3112	38.34	19.65	97.74	-59.40	Peak
2	0.9321	34.07	20.04	68.23	-34.16	Peak
3	3.2069	43.21	20.16	69.50	-26.29	Peak
4	4.0458	52.36	20.18	69.50	-17.14	Peak
5	14.8735	28.81	20.34	69.50	-40.69	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

Test Mode	Channel	Frequency Range	Verdict
11B	HCH	150KHz~30MHz	PASS



No.	Frequency (MHz)	Result (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0109	50.01	19.53	126.82	-76.81	Peak
2	0.0158	46.81	19.67	123.61	-76.80	Peak
3	0.0237	43.51	19.79	120.11	-76.60	Peak
4	0.0346	40.55	19.75	116.80	-76.25	Peak
5	0.0620	34.74	19.75	111.74	-77.00	Peak
6	0.1443	32.28	19.76	104.41	-72.13	Peak

Note: 1.If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

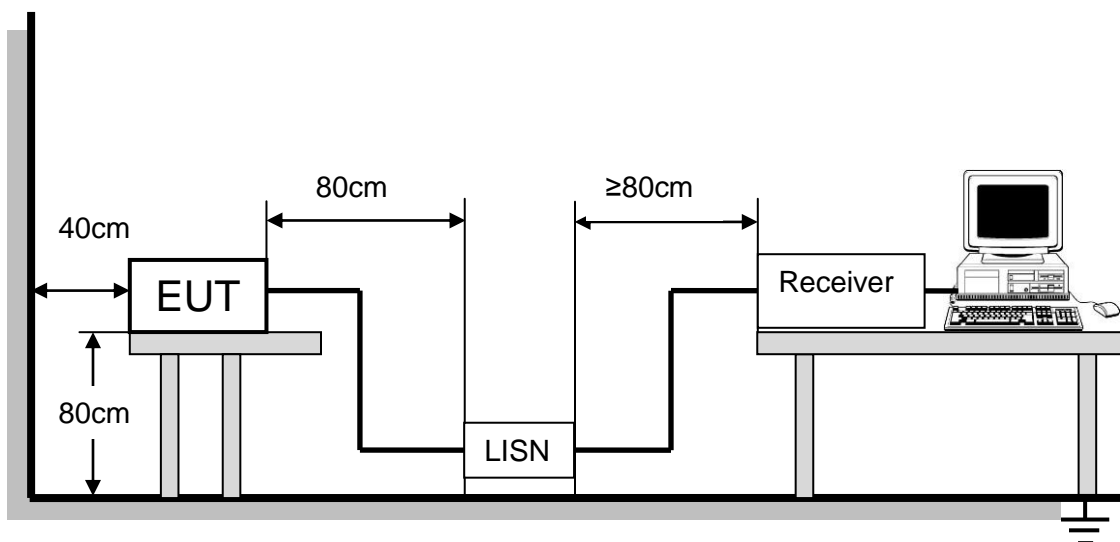
7. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

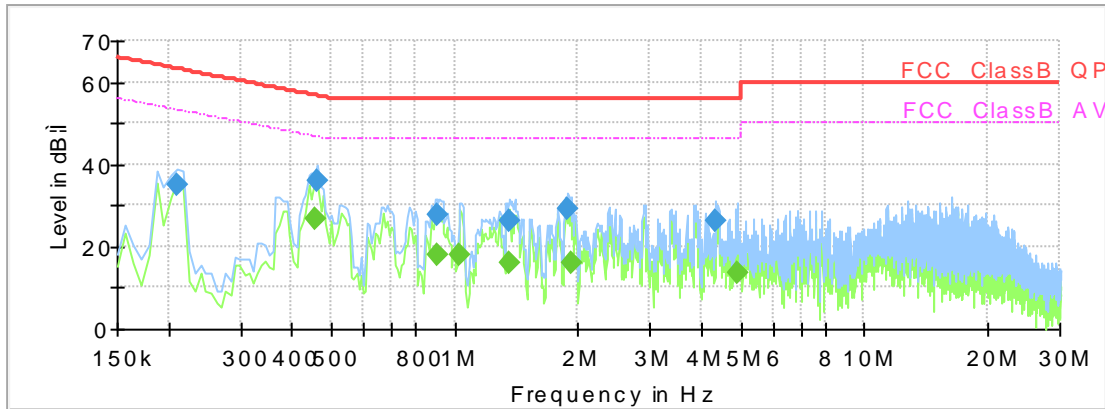
TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST RESULTS (WORST-CASE CONFIGURATION)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.209700	35.24	---	63.22	27.98	1000.0	9.000	L1	OFF	9.7
0.455963	---	26.86	46.77	19.91	1000.0	9.000	N	OFF	9.9
0.463425	35.83	---	56.63	20.81	1000.0	9.000	N	OFF	9.9
0.903713	27.80	---	56.00	28.20	1000.0	9.000	L1	OFF	9.7
0.903713	---	18.19	46.00	27.81	1000.0	9.000	L1	OFF	9.7
1.030575	---	17.83	46.00	28.17	1000.0	9.000	N	OFF	9.9
1.366388	---	16.10	46.00	29.90	1000.0	9.000	N	OFF	9.9
1.366388	26.30	---	56.00	29.70	1000.0	9.000	N	OFF	9.9
1.888763	29.16	---	56.00	26.84	1000.0	9.000	L1	OFF	9.8
1.926075	---	15.90	46.00	30.10	1000.0	9.000	N	OFF	9.8
4.343925	26.39	---	56.00	29.61	1000.0	9.000	L1	OFF	9.8
4.903613	---	13.77	46.00	32.23	1000.0	9.000	N	OFF	9.9

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Comment
0.209700	19:23:48 - 2017/9/19
0.455963	19:24:19 - 2017/9/19
0.463425	19:24:07 - 2017/9/19
0.903713	19:23:53 - 2017/9/19
0.903713	19:24:16 - 2017/9/19
1.030575	19:24:23 - 2017/9/19
1.366388	19:24:26 - 2017/9/19
1.366388	19:24:12 - 2017/9/19
1.888763	19:23:57 - 2017/9/19
1.926075	19:24:30 - 2017/9/19
4.343925	19:24:03 - 2017/9/19
4.903613	19:24:34 - 2017/9/19

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

8. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA CONNECTOR

EUT has a EUT has a Dipole Antenna with RP-SMA antenna connector..

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.

END OF REPORT