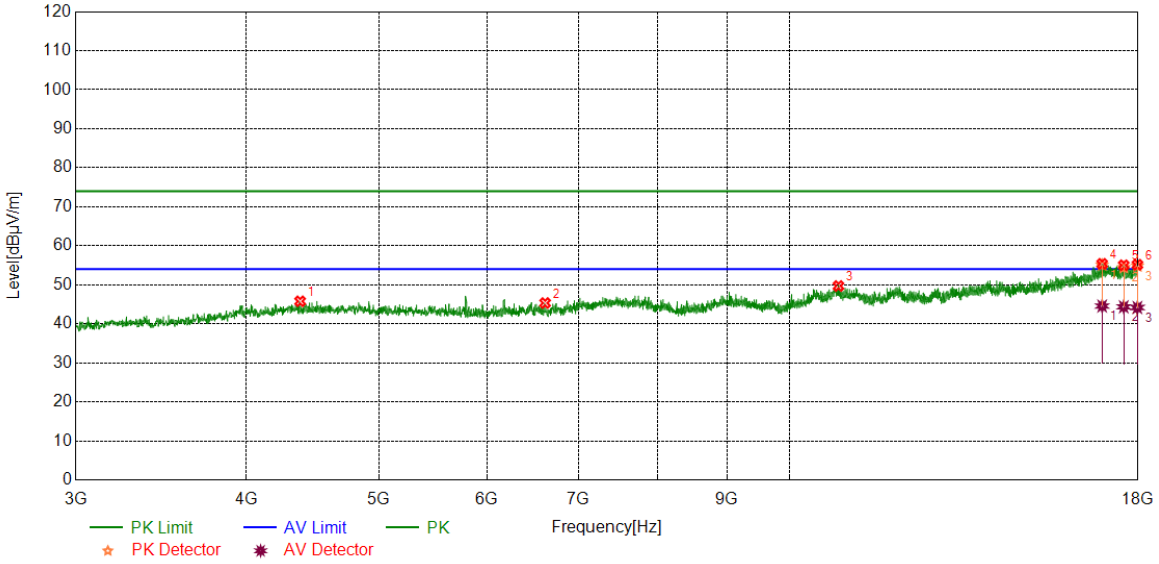
Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4380.1725	40.69	5.09	45.78	74.00	-28.22	peak
2	6621.0776	37.91	7.42	45.33	74.00	-28.67	peak
3	10859.1074	37.51	12.19	49.70	74.00	-24.30	peak
4	16942.3678	36.94	18.44	55.38	74.00	-18.62	peak
		26.12	18.44	44.56	54.00	-9.44	average
5	17570.5713	36.91	18.10	55.01	74.00	-18.99	peak
		26.26	18.10	44.36	54.00	-9.64	average
6	17981.2477	37.11	18.04	55.15	74.00	-18.85	peak
		26.14	18.04	44.18	54.00	-9.82	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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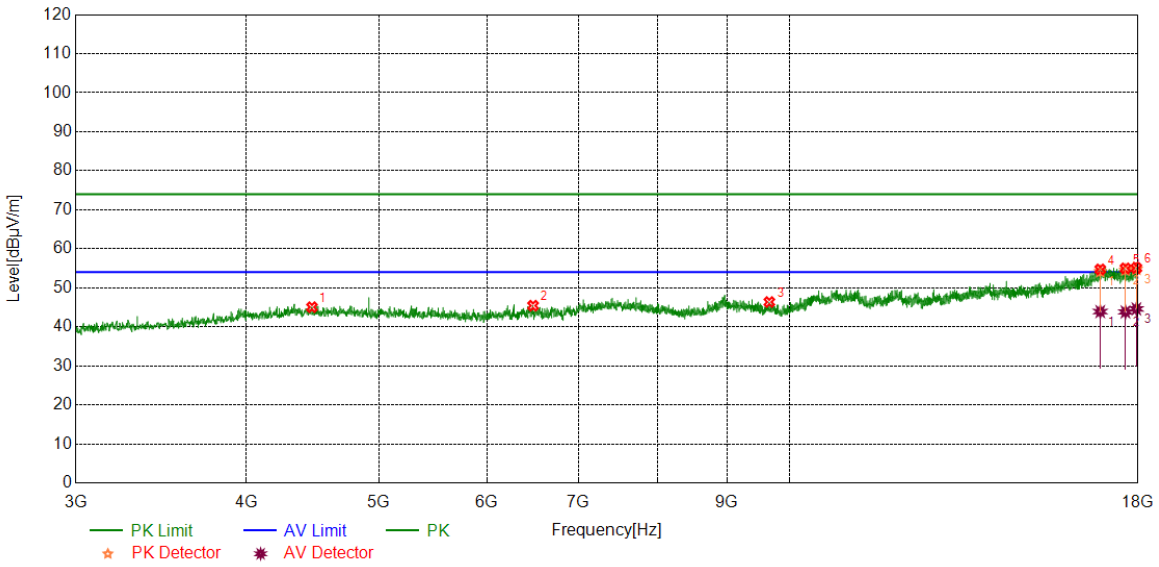
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4468.3085	39.51	5.53	45.04	74.00	-28.96	peak
2	6487.9360	38.38	7.04	45.42	74.00	-28.58	peak
3	9664.5831	38.26	8.10	46.36	74.00	-27.64	peak
4	16887.986	36.94	17.78	54.72	74.00	-19.28	peak
		26.13	17.78	43.91	54.00	-10.09	average
5	17621.2027	37.42	17.57	54.99	74.00	-19.01	peak
		26.25	17.57	43.82	54.00	-10.18	average
6	17949.3687	36.52	18.55	55.07	74.00	-18.93	peak
		26.05	18.55	44.60	54.00	-9.40	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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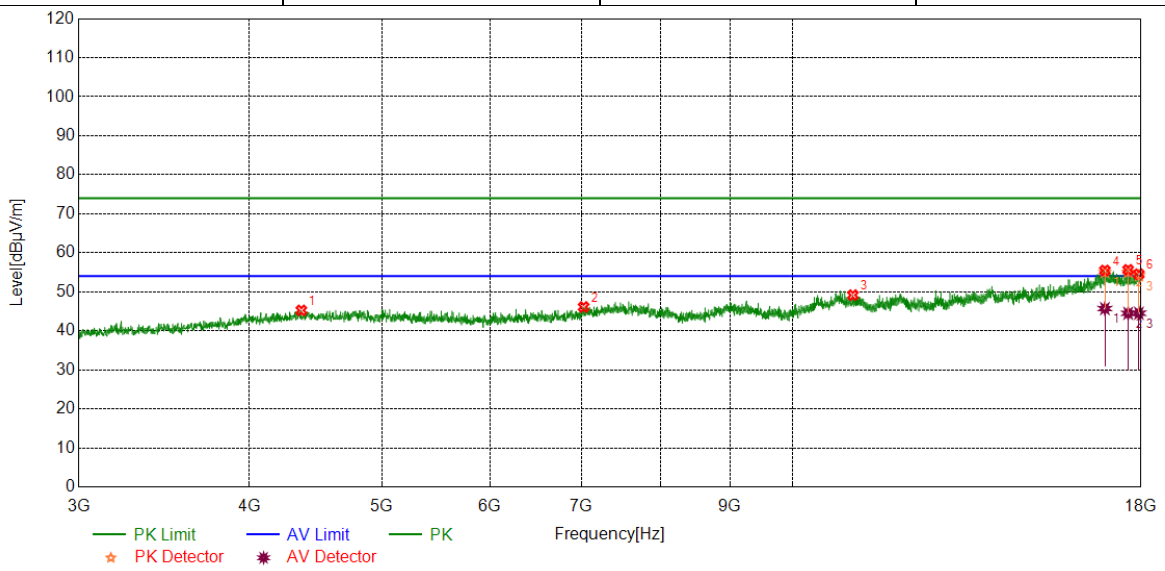
Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4367.0459	40.30	4.94	45.24	74.00	-28.76	peak
2	7029.8787	37.95	8.16	46.11	74.00	-27.89	peak
3	11071.0089	37.01	12.14	49.15	74.00	-24.85	peak
4	16934.8669	37.05	18.41	55.46	74.00	-18.54	peak
		27.29	18.41	45.70	54.00	-8.30	average
5	17611.8265	37.81	17.82	55.63	74.00	-18.37	peak
		26.67	17.82	44.49	54.00	-9.51	average
6	17934.3668	36.31	18.20	54.51	74.00	-19.49	peak
		26.31	18.20	44.51	54.00	-9.49	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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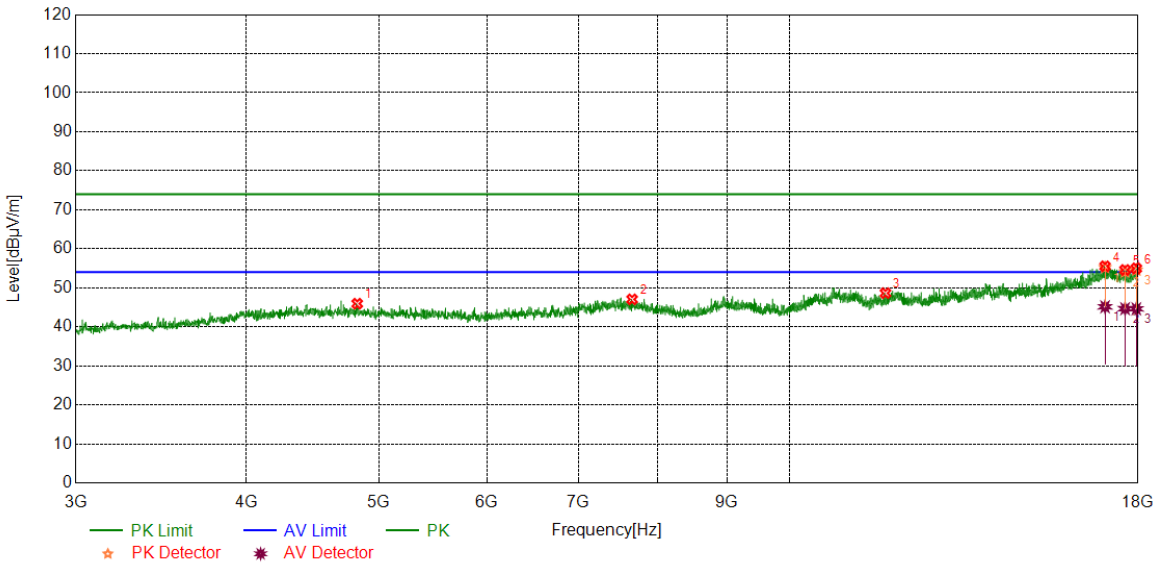
Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4822.7278	40.59	5.35	45.94	74.00	-28.06	peak
2	7667.4584	38.79	8.26	47.05	74.00	-26.95	peak
3	11755.4694	36.67	11.96	48.63	74.00	-25.37	peak
4	17024.8781	36.84	18.68	55.52	74.00	-18.48	peak
		26.46	18.68	45.14	54.00	-8.86	average
5	17609.9512	36.71	17.87	54.58	74.00	-19.42	peak
		26.78	17.87	44.65	54.00	-9.35	average
6	17947.4934	36.46	18.50	54.96	74.00	-19.04	peak
		26.12	18.50	44.62	54.00	-9.38	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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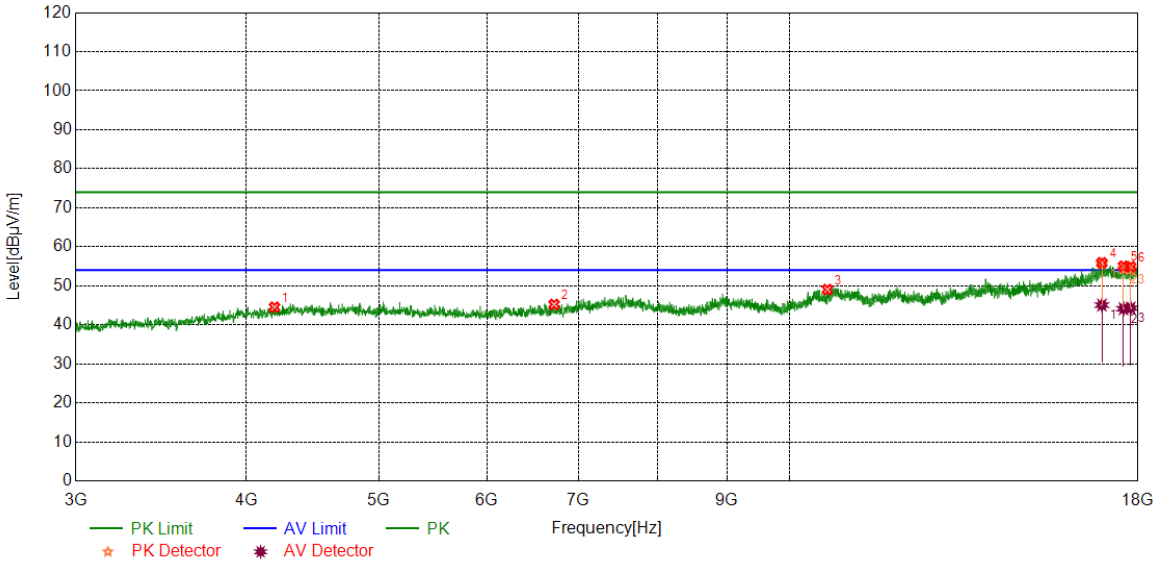
Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4194.5243	39.87	4.65	44.52	74.00	-29.48	peak
2	6722.3403	37.53	7.69	45.22	74.00	-28.78	peak
3	10658.4573	37.21	11.82	49.03	74.00	-24.97	peak
4	16934.8669	37.49	18.41	55.90	74.00	-18.10	peak
		26.66	18.41	45.07	54.00	-8.93	average
5	17563.0704	37.05	17.97	55.02	74.00	-18.98	peak
		26.16	17.97	44.13	54.00	-9.87	average
6	17778.7223	36.62	18.27	54.89	74.00	-19.11	peak
		26.03	18.27	44.30	54.00	-9.70	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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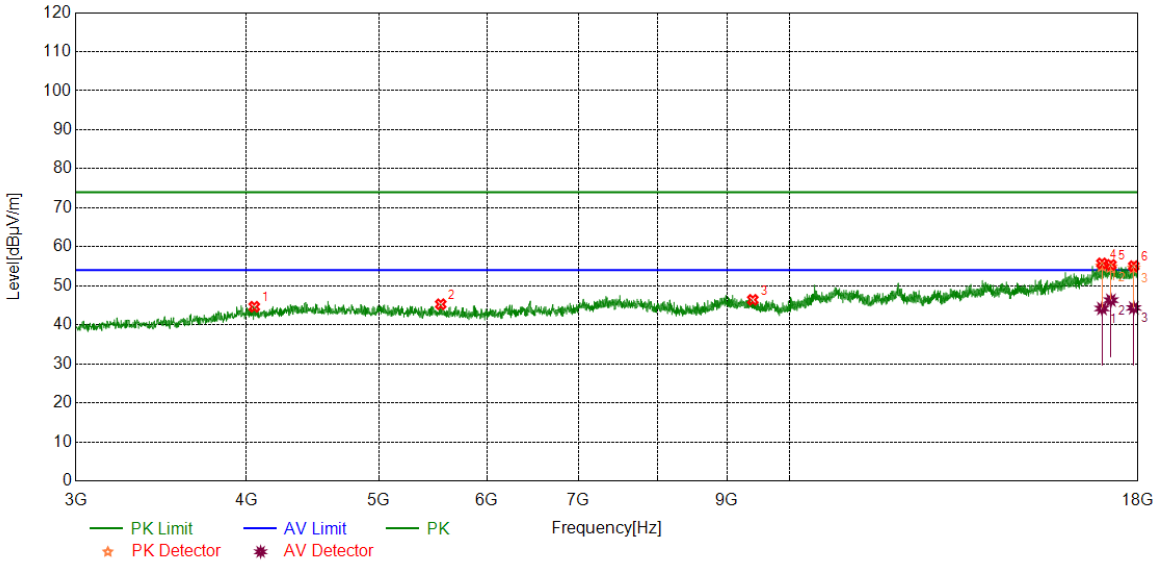
Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4053.8817	40.41	4.23	44.64	74.00	-29.36	peak
2	5552.1940	40.00	5.28	45.28	74.00	-28.72	peak
3	9398.2998	37.94	8.47	46.41	74.00	-27.59	peak
4	16936.7421	37.32	18.43	55.75	74.00	-18.25	peak
		25.76	18.43	44.19	54.00	-9.81	average
5	17195.5244	37.09	18.28	55.37	74.00	-18.63	peak
		28.04	18.28	46.32	54.00	-7.68	average
6	17870.6088	36.71	18.33	55.04	74.00	-18.96	peak
		26.02	18.33	44.35	54.00	-9.65	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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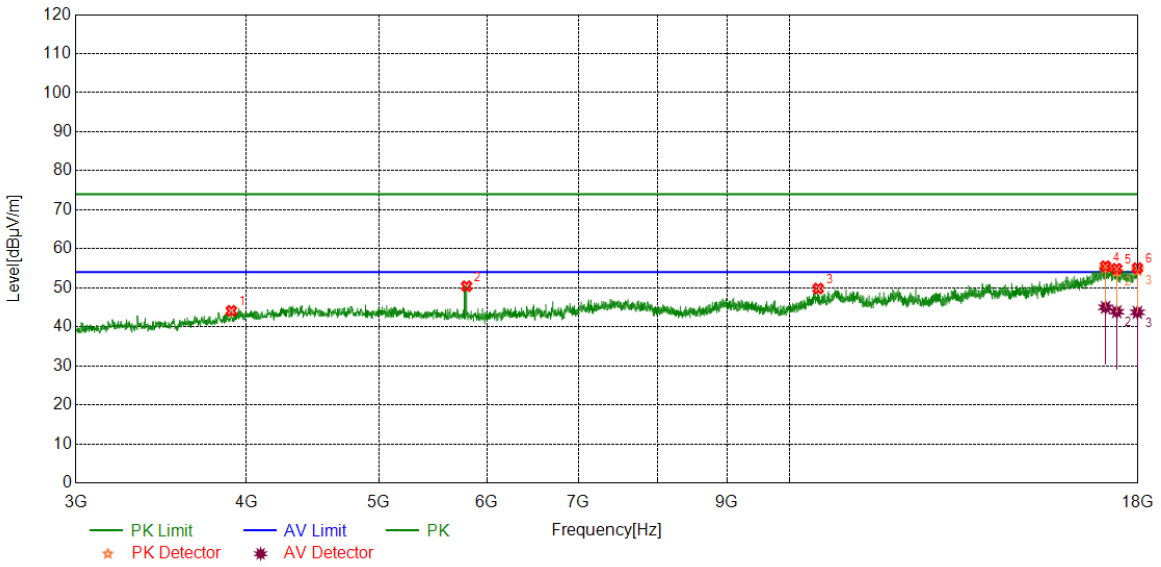
Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3900.1125	40.31	3.80	44.11	74.00	-29.89	peak
2	5799.7250	44.99	5.42	50.41	74.00	-23.59	peak
3	10495.3119	38.24	11.59	49.83	74.00	-24.17	peak
4	17039.88	36.64	18.89	55.53	74.00	-18.47	peak
		26.11	18.89	45.00	54.00	-9.00	average
5	17364.2955	36.67	18.21	54.88	74.00	-19.12	peak
		25.66	18.21	43.87	54.00	-10.13	average
6	17981.2477	37.00	18.04	55.04	74.00	-18.96	peak
		25.68	18.04	43.72	54.00	-10.28	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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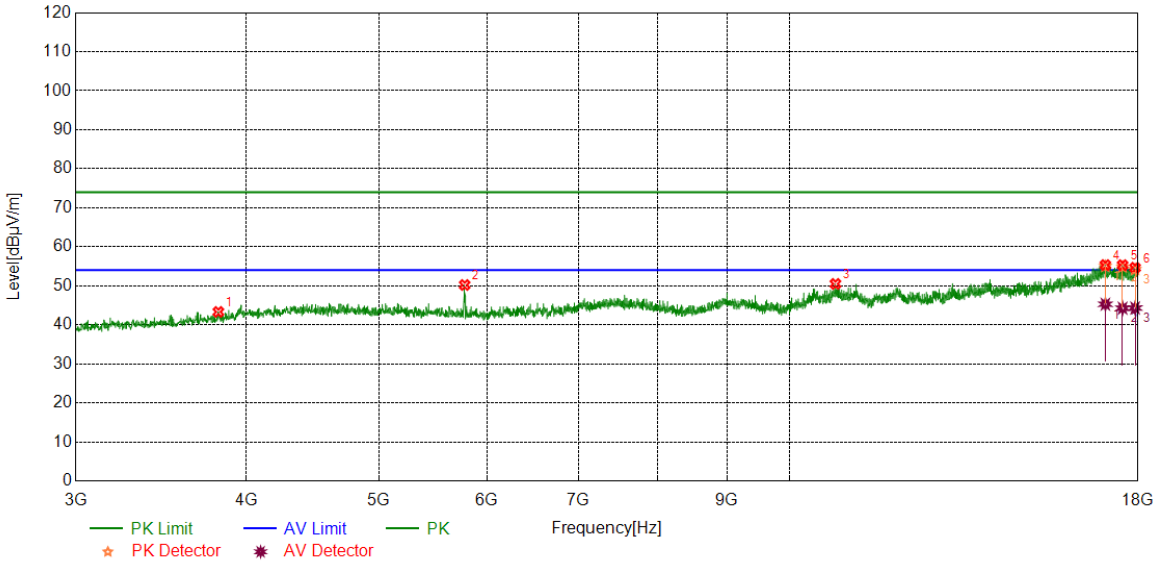
Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3815.7270	39.68	3.64	43.32	74.00	-30.68	peak
2	5780.9726	44.93	5.29	50.22	74.00	-23.78	peak
3	10804.7256	38.37	12.12	50.49	74.00	-23.51	peak
4	17034.2543	36.36	18.97	55.33	74.00	-18.67	peak
		26.31	18.97	45.28	54.00	-8.72	average
5	17536.8171	37.75	17.55	55.30	74.00	-18.70	peak
		26.72	17.55	44.27	54.00	-9.73	average
6	17909.9887	36.35	18.28	54.63	74.00	-19.37	peak
		26.03	18.28	44.31	54.00	-9.69	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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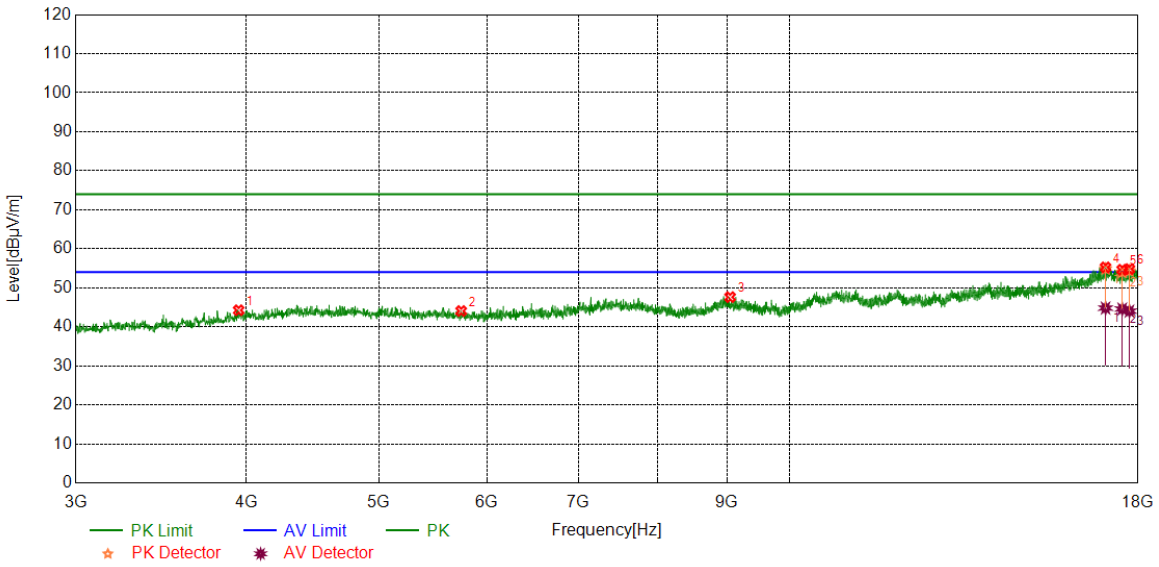
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3948.8686	39.86	4.39	44.25	74.00	-29.75	peak
2	5747.2184	38.71	5.34	44.05	74.00	-29.95	peak
3	9045.7557	38.65	8.97	47.62	74.00	-26.38	peak
4	17039.88	36.35	18.89	55.24	74.00	-18.76	peak
		25.92	18.89	44.81	54.00	-9.19	average
5	17525.5657	36.80	17.83	54.63	74.00	-19.37	peak
		26.74	17.83	44.57	54.00	-9.43	average
6	17739.3424	36.94	17.86	54.80	74.00	-19.20	peak
		26.17	17.86	44.03	54.00	-9.97	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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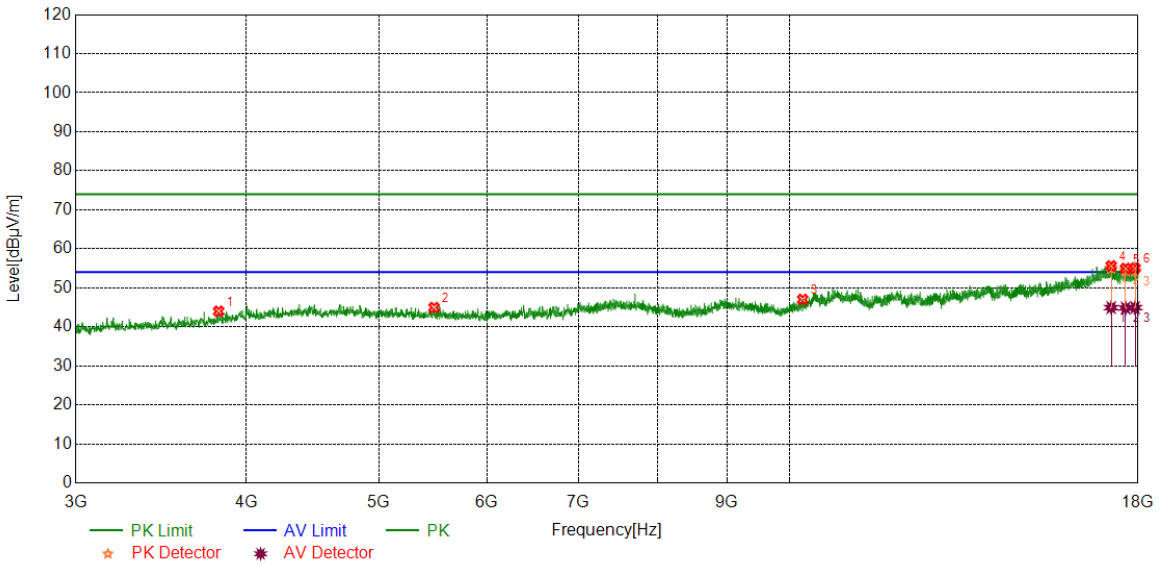
Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3817.6022	40.30	3.69	43.99	74.00	-30.01	peak
2	5490.3113	39.48	5.45	44.93	74.00	-29.07	peak
3	10223.4029	37.15	9.86	47.01	74.00	-26.99	peak
4	17203.0254	37.41	18.20	55.61	74.00	-18.39	peak
		26.73	18.20	44.93	54.00	-9.07	average
5	17624.9531	37.53	17.42	54.95	74.00	-19.05	peak
		27.40	17.42	44.82	54.00	-9.18	average
6	17909.9887	36.73	18.28	55.01	74.00	-18.99	peak
		26.66	18.28	44.94	54.00	-9.06	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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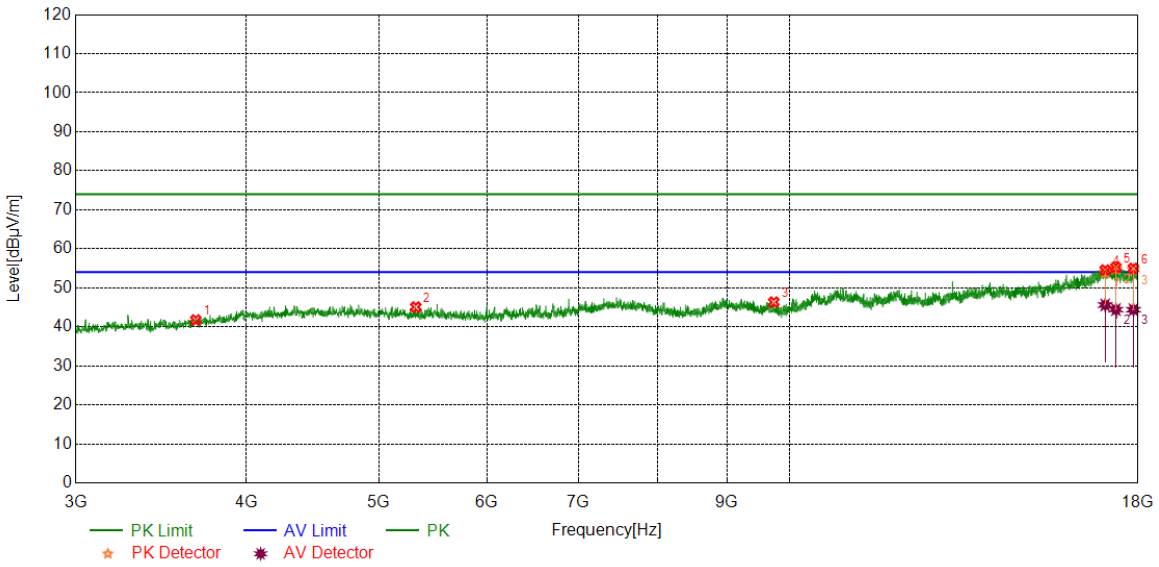
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3673.2092	39.02	2.74	41.76	74.00	-32.24	peak
2	5323.4154	39.54	5.53	45.07	74.00	-28.93	peak
3	9737.7172	37.80	8.54	46.34	74.00	-27.66	peak
4	17028.6286	35.61	18.94	54.55	74.00	-19.45	peak
		26.66	18.94	45.60	54.00	-8.40	average
5	17339.9175	37.60	17.65	55.25	74.00	-18.75	peak
		26.76	17.65	44.41	54.00	-9.59	average
6	17859.3574	36.51	18.45	54.96	74.00	-19.04	peak
		25.94	18.45	44.39	54.00	-9.61	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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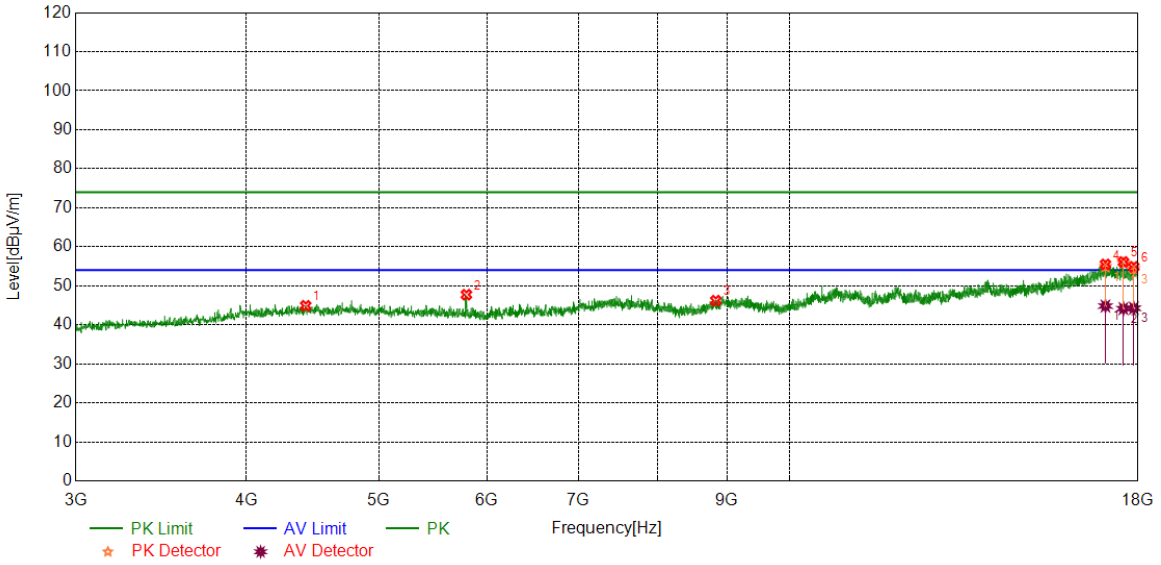
Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4421.4277	39.63	5.25	44.88	74.00	-29.12	peak
2	5797.8497	42.35	5.39	47.74	74.00	-26.26	peak
3	8830.1038	38.00	8.20	46.20	74.00	-27.80	peak
4	17036.1295	36.55	18.94	55.49	74.00	-18.51	peak
		25.88	18.94	44.82	54.00	-9.18	average
5	17561.1951	38.20	17.92	56.12	74.00	-17.88	peak
		26.24	17.92	44.16	54.00	-9.84	average
6	17870.6088	36.53	18.33	54.86	74.00	-19.14	peak
		25.94	18.33	44.27	54.00	-9.73	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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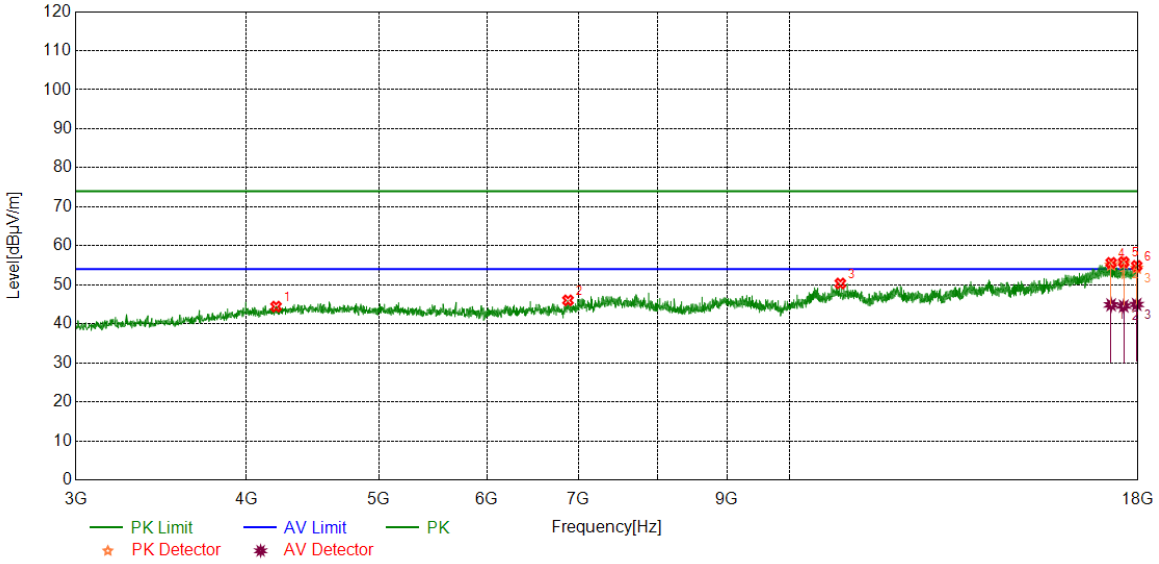
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4205.7757	39.48	4.95	44.43	74.00	-29.57	peak
2	6881.7352	37.79	8.23	46.02	74.00	-27.98	peak
3	10894.7368	38.11	12.24	50.35	74.00	-23.65	peak
4	17201.1501	37.33	18.30	55.63	74.00	-18.37	peak
		26.57	18.30	44.87	54.00	-9.13	average
5	17568.6961	37.72	18.10	55.82	74.00	-18.18	peak
		26.45	18.10	44.55	54.00	-9.45	average
6	17958.7448	36.37	18.48	54.85	74.00	-19.15	peak
		26.48	18.48	44.96	54.00	-9.04	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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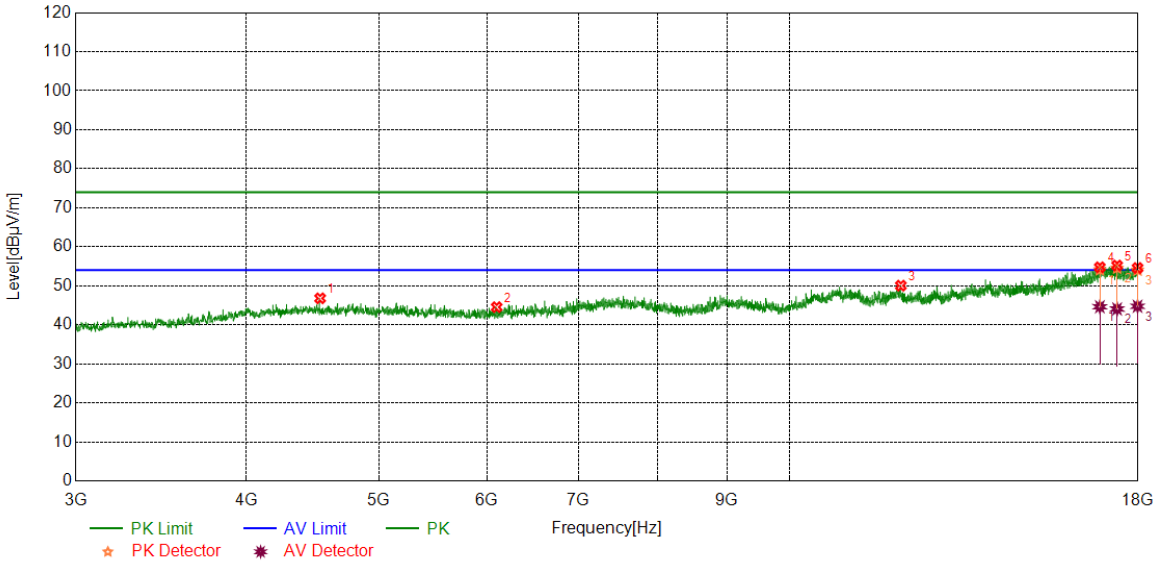
Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4530.1913	41.47	5.33	46.80	74.00	-27.20	peak
2	6101.6377	38.84	5.70	44.54	74.00	-29.46	peak
3	12064.8831	37.44	12.60	50.04	74.00	-23.96	peak
4	16876.7346	37.01	17.74	54.75	74.00	-19.25	peak
		26.89	17.74	44.63	54.00	-9.37	average
5	17375.5469	36.64	18.56	55.20	74.00	-18.80	peak
		25.51	18.56	44.07	54.00	-9.93	average
6	17984.9981	36.76	17.81	54.57	74.00	-19.43	peak
		26.95	17.81	44.76	54.00	-9.24	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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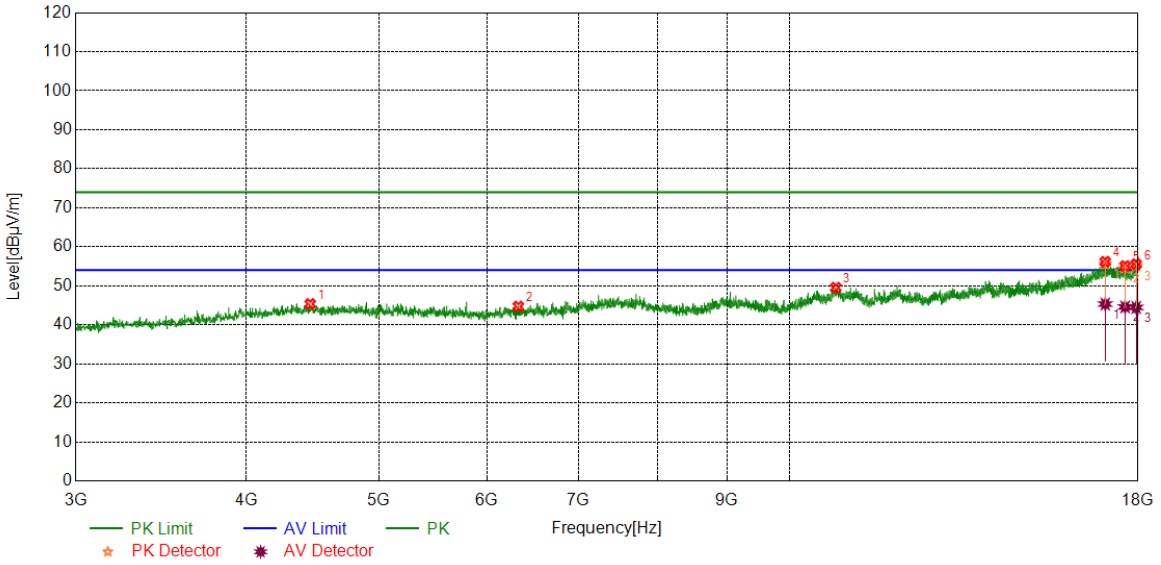
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4455.1819	39.68	5.67	45.35	74.00	-28.65	peak
2	6328.5411	38.30	6.41	44.71	74.00	-29.29	peak
3	10810.3513	37.33	12.21	49.54	74.00	-24.46	peak
4	17030.5038	37.15	19.03	56.18	74.00	-17.82	peak
		26.29	19.03	45.32	54.00	-8.68	average
5	17609.9512	37.21	17.87	55.08	74.00	-18.92	peak
		26.71	17.87	44.58	54.00	-9.42	average
6	17943.743	37.16	18.38	55.54	74.00	-18.46	peak
		26.08	18.38	44.46	54.00	-9.54	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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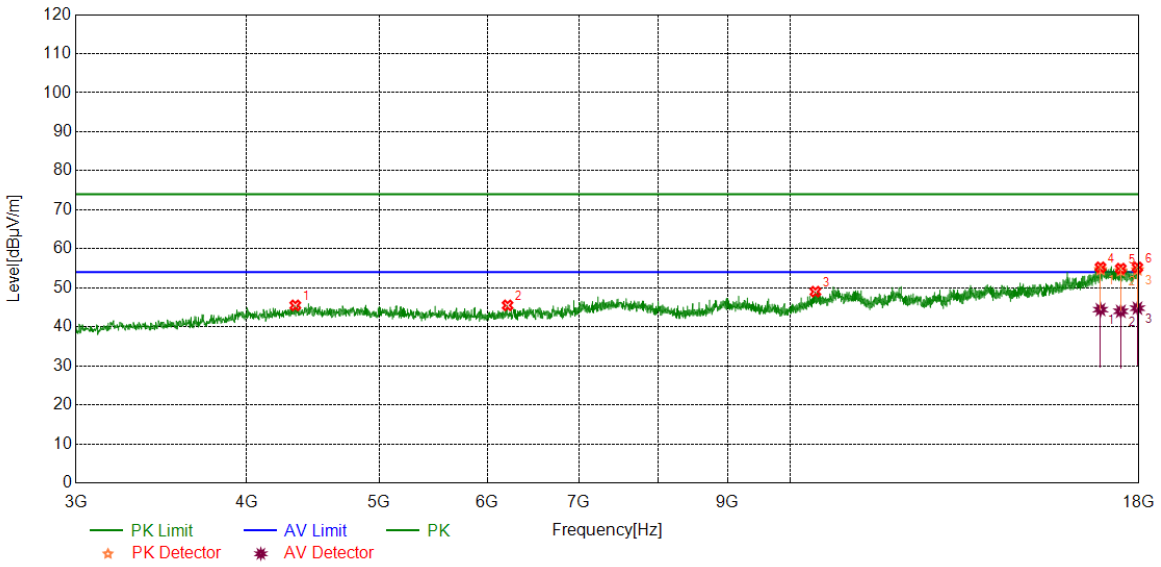
Test Mode	Channel	Polarization	Verdict
11N HT40	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4342.6678	40.16	5.34	45.50	74.00	-28.50	peak
2	6210.4013	39.44	6.06	45.50	74.00	-28.50	peak
3	10433.4292	37.49	11.52	49.01	74.00	-24.99	peak
4	16869.2337	37.52	17.74	55.26	74.00	-18.74	peak
		26.68	17.74	44.42	54.00	-9.58	average
5	17456.182	37.12	17.79	54.91	74.00	-19.09	peak
		26.19	17.79	43.98	54.00	-10.02	average
6	17953.1191	36.68	18.54	55.22	74.00	-18.78	peak
		26.24	18.54	44.78	54.00	-9.22	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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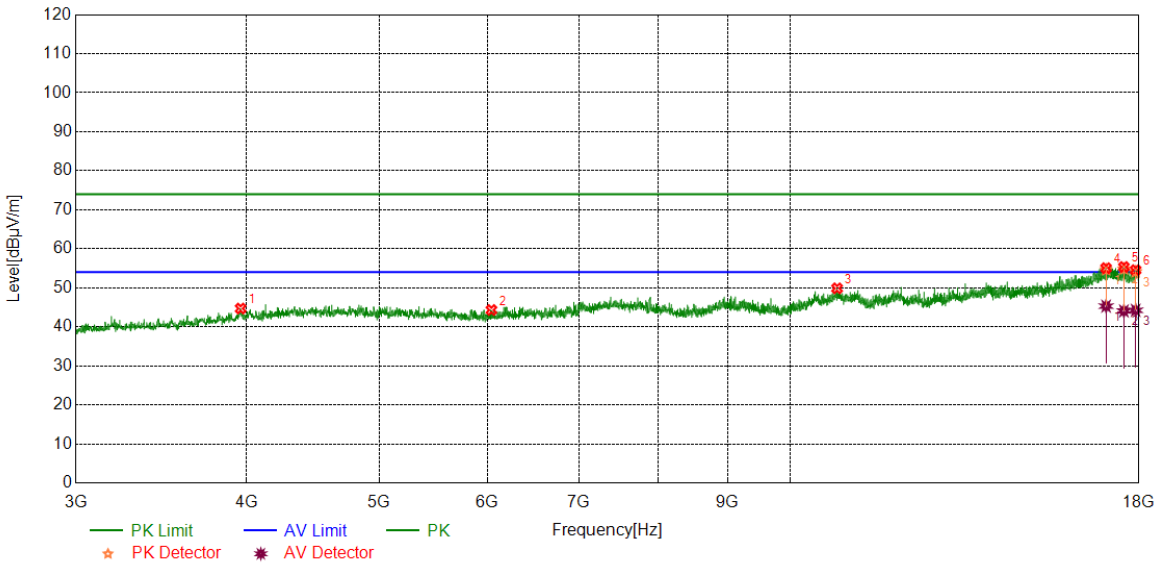
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	3960.1200	40.17	4.52	44.69	74.00	-29.31	peak
2	6043.5054	38.98	5.33	44.31	74.00	-29.69	peak
3	10821.6027	37.68	12.19	49.87	74.00	-24.13	peak
4	17028.6286	36.11	18.94	55.05	74.00	-18.95	peak
		26.36	18.94	45.30	54.00	-8.70	average
5	17548.0685	37.39	17.95	55.34	74.00	-18.66	peak
		26.12	17.95	44.07	54.00	-9.93	average
6	17898.7373	36.12	18.42	54.54	74.00	-19.46	peak
		25.82	18.42	44.24	54.00	-9.76	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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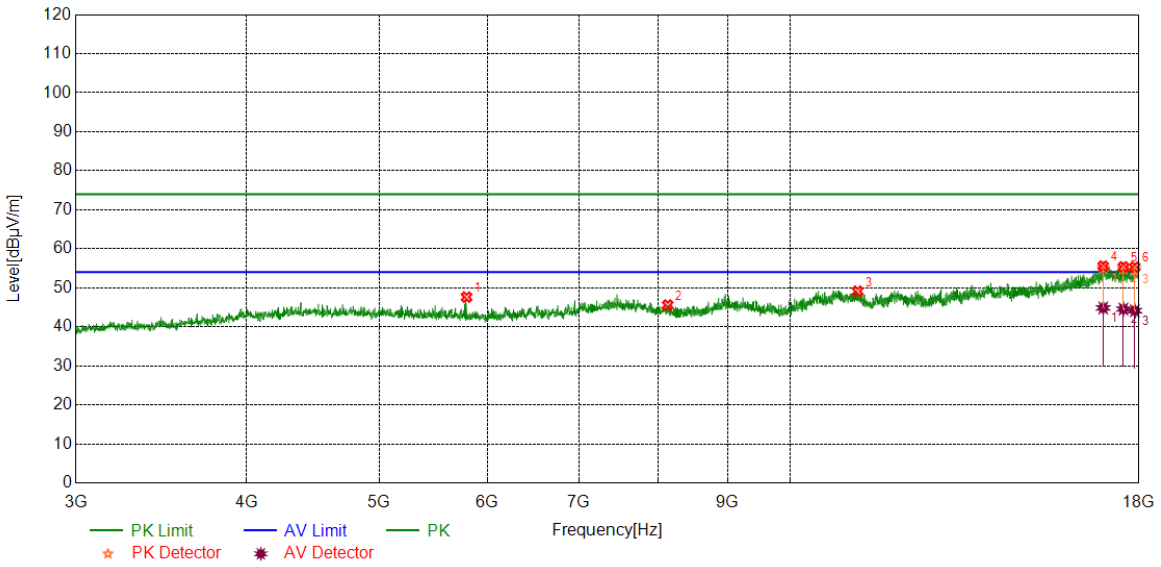
Test Mode	Channel	Polarization	Verdict
11N HT40	MCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	5795.9745	42.28	5.35	47.63	74.00	-26.37	peak
2	8134.3918	38.15	7.42	45.57	74.00	-28.43	peak
3	11202.2753	37.24	11.89	49.13	74.00	-24.87	peak
4	16946.1183	37.16	18.39	55.55	74.00	-18.45	peak
		26.46	18.39	44.85	54.00	-9.15	average
5	17533.0666	37.60	17.75	55.35	74.00	-18.65	peak
		26.81	17.75	44.56	54.00	-9.44	average
6	17872.4841	36.99	18.30	55.29	74.00	-18.71	peak
		25.83	18.30	44.13	54.00	-9.87	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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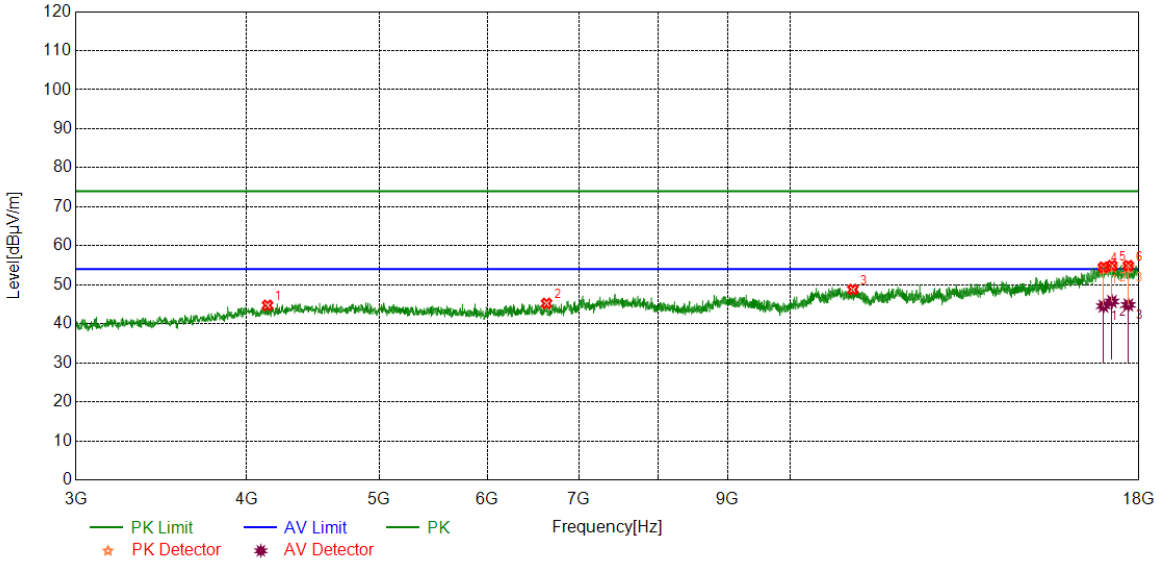
Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	4143.8930	39.98	4.76	44.74	74.00	-29.26	peak
2	6632.3290	37.68	7.55	45.23	74.00	-28.77	peak
3	11114.1393	36.69	12.10	48.79	74.00	-25.21	peak
4	16953.6192	36.03	18.46	54.49	74.00	-19.51	peak
		26.08	18.46	44.54	54.00	-9.46	average
5	17197.3997	36.60	18.31	54.91	74.00	-19.09	peak
		27.42	18.31	45.73	54.00	-8.27	average
6	17679.3349	36.95	17.95	54.90	74.00	-19.10	peak
		26.90	17.95	44.85	54.00	-9.15	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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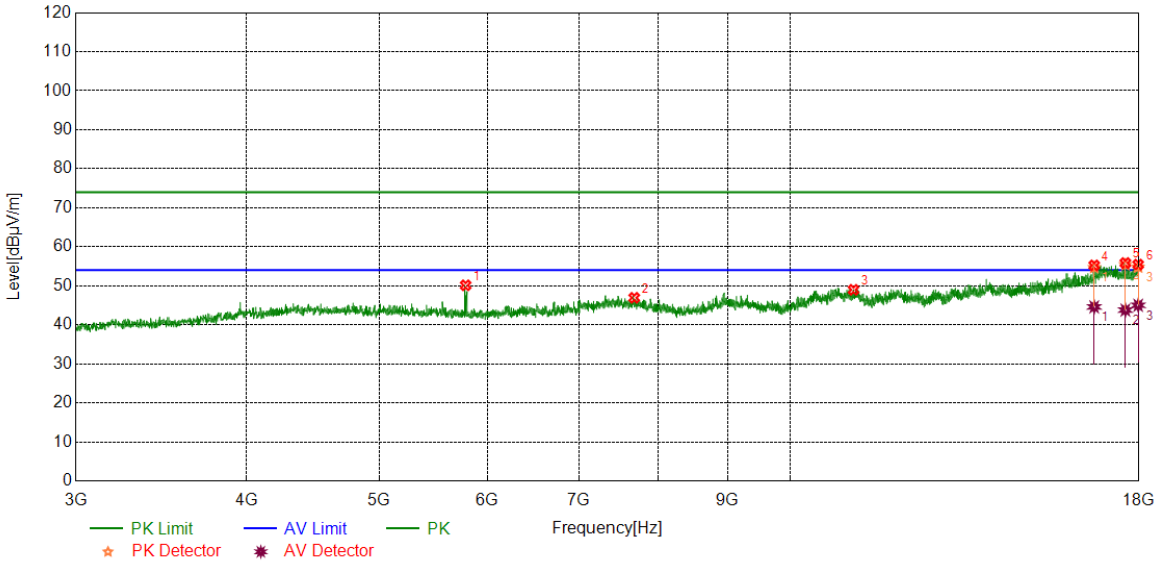
Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	5786.5983	44.88	5.25	50.13	74.00	-23.87	peak
2	7688.0860	38.31	8.62	46.93	74.00	-27.07	peak
3	11125.3907	36.89	12.09	48.98	74.00	-25.02	peak
4	16691.0864	37.07	18.17	55.24	74.00	-18.76	peak
		26.43	18.17	44.60	54.00	-9.40	average
5	17591.1989	38.57	17.27	55.84	74.00	-18.16	peak
		26.51	17.27	43.78	54.00	-10.22	average
6	17975.622	37.52	17.92	55.44	74.00	-18.56	peak
		27.09	17.92	45.01	54.00	-8.99	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 7.2.
6. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses. The proper operation of the transmitter prior to adding the filter to the measurement chain.
7. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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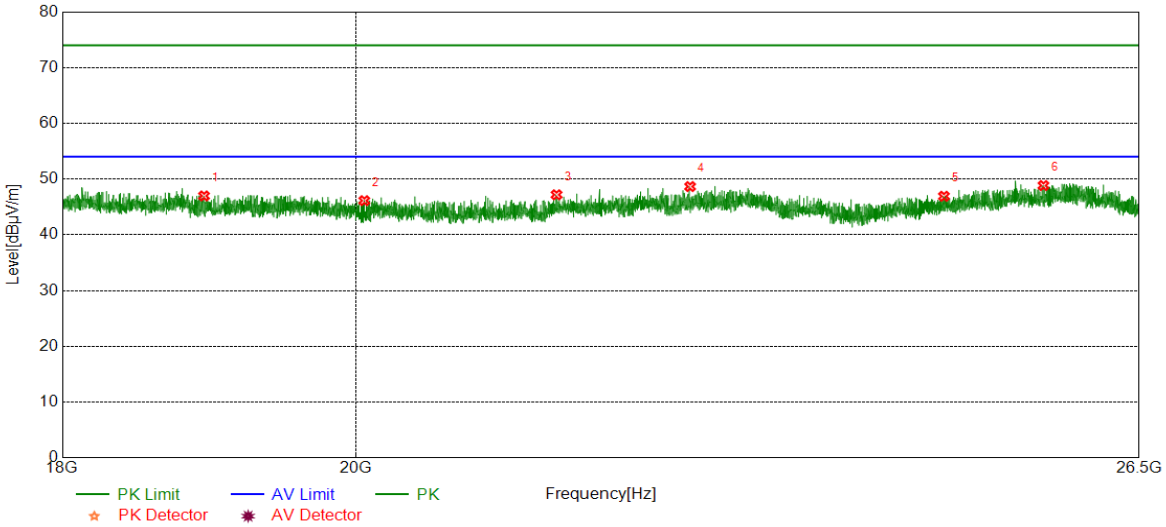
Part III: 18GHz~26.5GHz

SPURIOUS EMISSIONS 18GHz TO 26.5GHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18940.1940	48.10	-1.12	46.98	74.00	-27.02	peak
2	20062.3062	46.65	-0.52	46.13	74.00	-27.87	peak
3	21497.2497	47.71	-0.52	47.19	74.00	-26.81	peak
4	22553.9054	47.80	0.86	48.66	74.00	-25.34	peak
5	24707.1707	47.21	-0.29	46.92	74.00	-27.08	peak
6	25606.5607	47.81	1.03	48.84	74.00	-25.16	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.
3. Measurement = Reading Level + Correct Factor.

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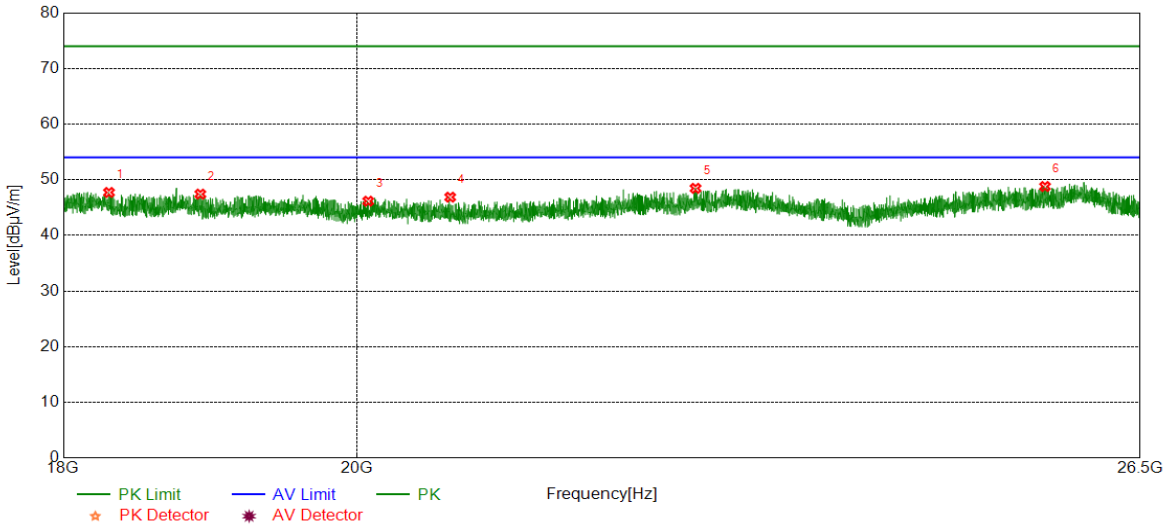
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18297.5298	48.74	-1.02	47.72	74.00	-26.28	peak
2	18907.8908	48.53	-1.11	47.42	74.00	-26.58	peak
3	20083.5584	46.68	-0.53	46.15	74.00	-27.85	peak
4	20683.7184	47.72	-0.85	46.87	74.00	-27.13	peak
5	22589.6090	47.56	0.90	48.46	74.00	-25.54	peak
6	25611.6612	47.76	1.03	48.79	74.00	-25.21	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.
3. Measurement = Reading Level + Correct Factor.

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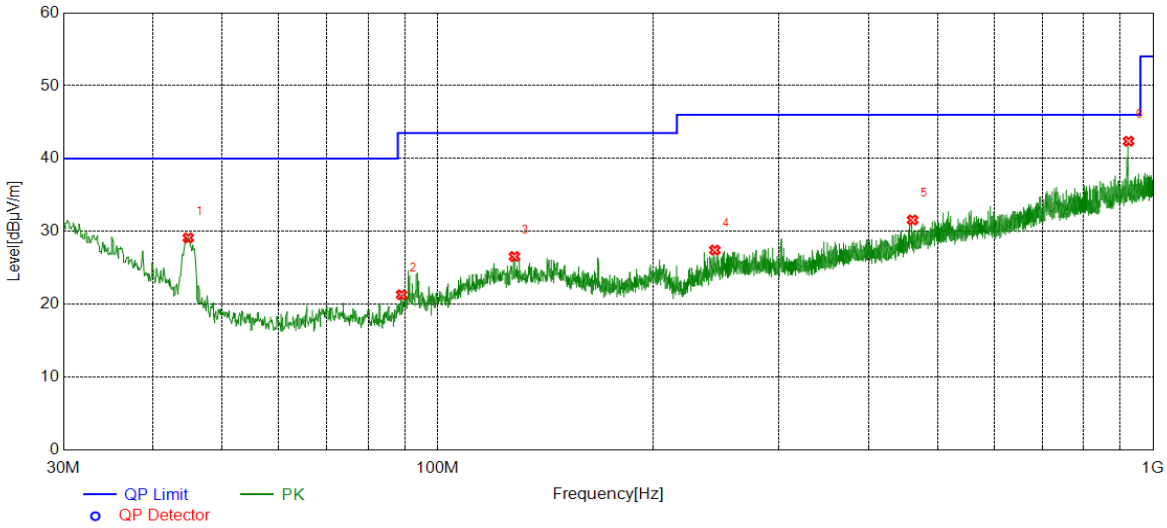
Part IV: 30MHz~1GHz

SPURIOUS EMISSIONS 30M TO 1GHHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	44.8425	11.41	17.71	29.12	40.00	-10.88	peak
2	89.0789	6.90	14.41	21.31	43.50	-22.19	peak
3	128.0768	6.32	20.24	26.56	43.50	-16.94	peak
4	244.1004	8.52	18.92	27.44	46.00	-18.56	peak
5	461.2081	6.94	24.63	31.57	46.00	-14.43	peak
6	923.9444	10.96	31.42	42.38	46.00	-3.62	peak

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.
3. Measurement = Reading Level + Correct Factor.

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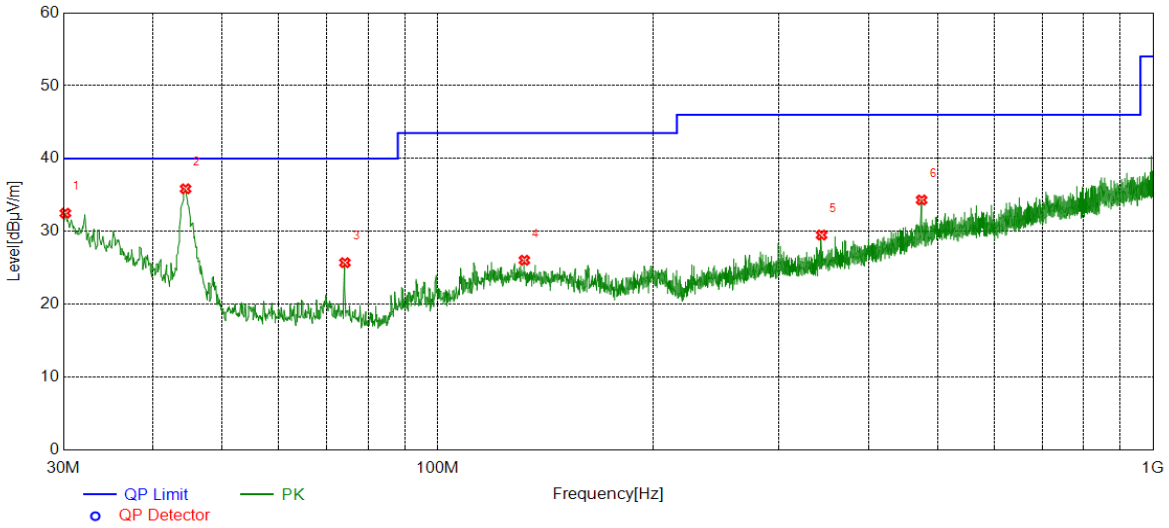
Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.1940	5.57	26.93	32.50	40.00	-7.50	peak
2	44.4544	17.91	17.94	35.85	40.00	-4.15	peak
3	74.2364	11.10	14.61	25.71	40.00	-14.29	peak
4	132.2482	5.90	20.15	26.05	43.50	-17.45	peak
5	344.1174	7.95	21.56	29.51	46.00	-16.49	peak
6	474.7895	9.28	25.04	34.32	46.00	-11.68	peak

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.
3. Measurement = Reading Level + Correct Factor.

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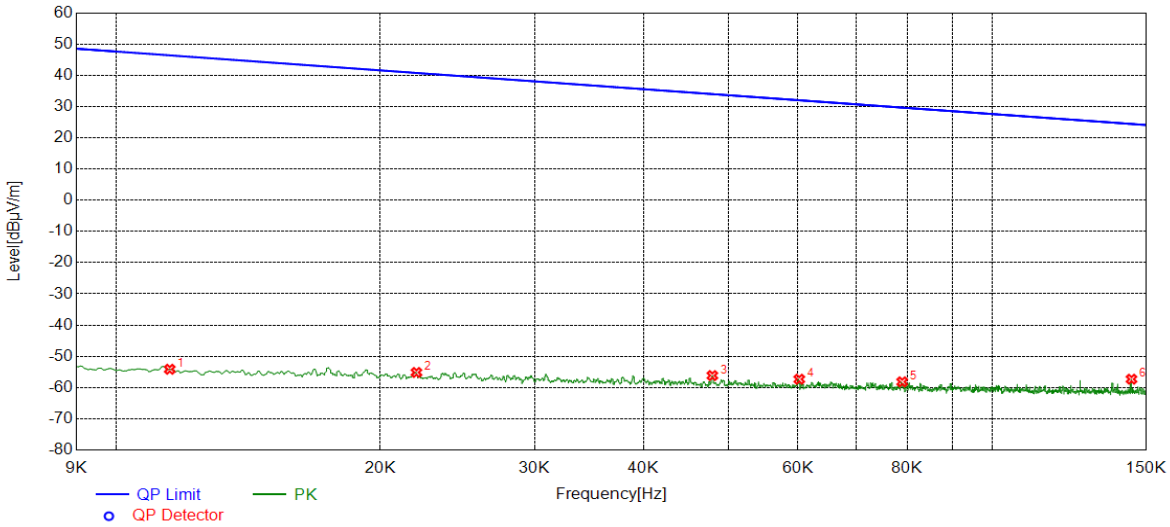
Part V: 9KHz~30MHz

SPURIOUS EMISSIONS Below 30MHz (WORST CASE CONFIGURATION-FACE ON)

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



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	IC Result	IC Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0115	7.80	-61.93	-54.13	46.39	-105.63	-5.11	100.52	peak
2	0.0220	6.67	-61.83	-55.16	40.76	-106.66	-10.74	95.92	peak
3	0.0479	5.59	-61.74	-56.15	33.99	-107.65	-17.51	90.14	peak
4	0.0602	4.45	-61.77	-57.32	32.02	-108.82	-19.48	89.34	peak
5	0.0789	3.67	-61.83	-58.16	29.66	-109.66	-21.84	87.82	peak
6	0.1442	4.53	-61.84	-57.31	24.42	-108.81	-27.08	81.73	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 300m= Result 3m-80 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

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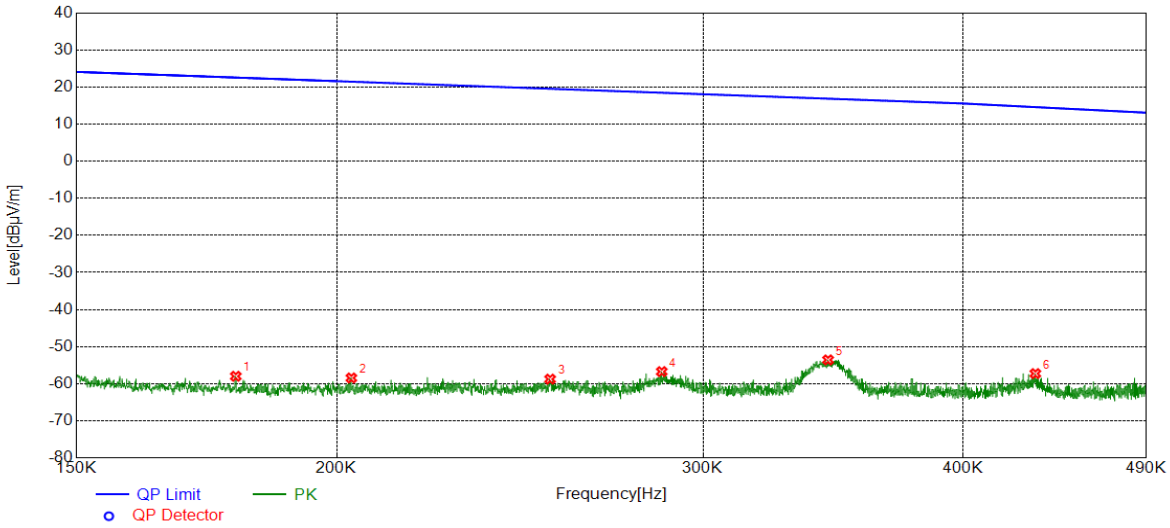
Test Mode	Channel	Frequency Range	Verdict
11B	HCH	150KHz~490Hz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	IC Result	IC Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1789	3.87	-61.85	-57.98	22.55	-109.48	-28.95	80.53	peak
2	0.2033	3.42	-61.86	-58.44	21.44	-109.94	-30.06	79.88	peak
3	0.2533	3.13	-61.88	-58.75	19.53	-110.25	-31.97	78.28	peak
4	0.2866	5.18	-61.90	-56.72	18.46	-108.22	-33.04	75.18	peak
5	0.3445	8.33	-61.90	-53.57	16.86	-105.07	-34.64	70.43	peak
6	0.4333	4.64	-61.90	-57.26	14.58	-108.76	-36.92	71.84	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 300m= Result 3m-80 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

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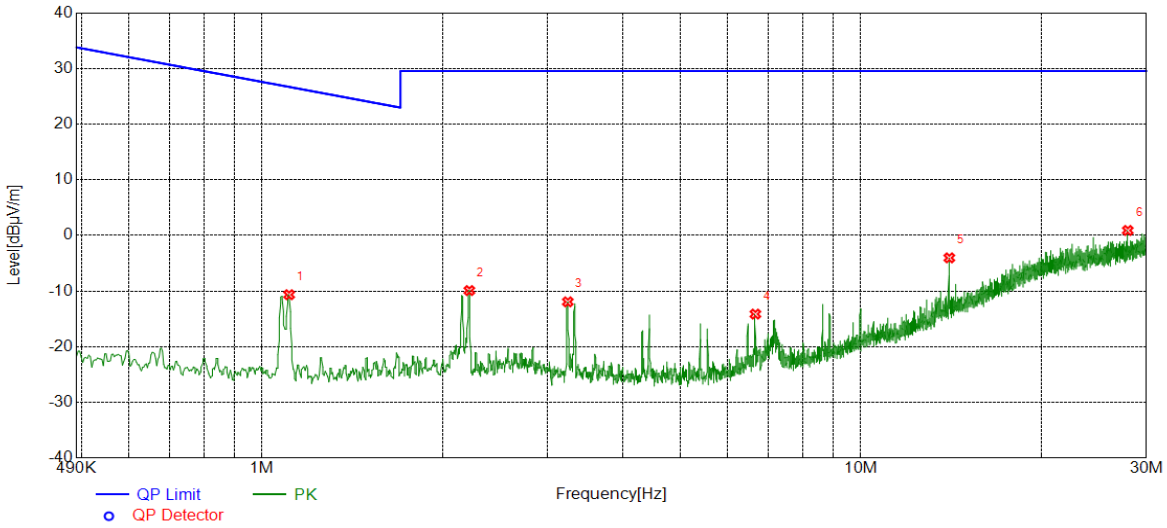
Test Mode	Channel	Frequency Range	Verdict
11B	HCH	490KHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	IC Result	IC Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	1.1098	11.19	-21.85	-10.66	26.70	-62.16	-24.80	37.36	peak
2	2.2195	11.89	-21.80	-9.91	29.54	-61.41	-21.96	39.45	peak
3	3.2406	9.82	-21.76	-11.94	29.54	-63.44	-21.96	41.48	peak
4	6.6671	7.56	-21.70	-14.14	29.54	-65.64	-21.96	43.68	peak
5	14.0542	17.56	-21.60	-4.04	29.54	-55.54	-21.96	33.58	peak
6	27.9164	22.36	-21.47	0.89	29.54	-50.61	-21.96	28.65	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. Result 30m= Result 3m-40 dBuV/m
3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
4. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report

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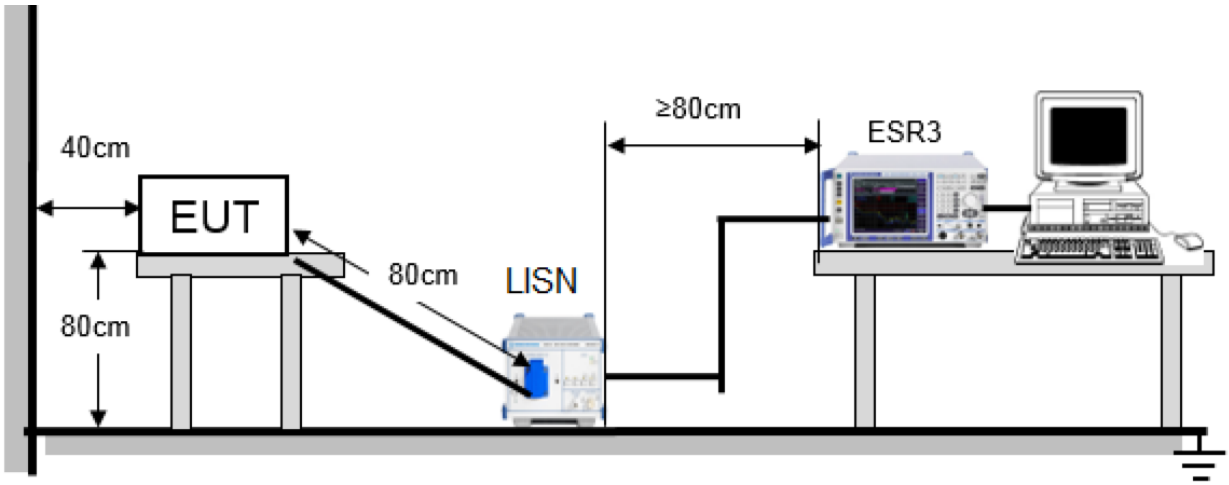
8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a), ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	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.

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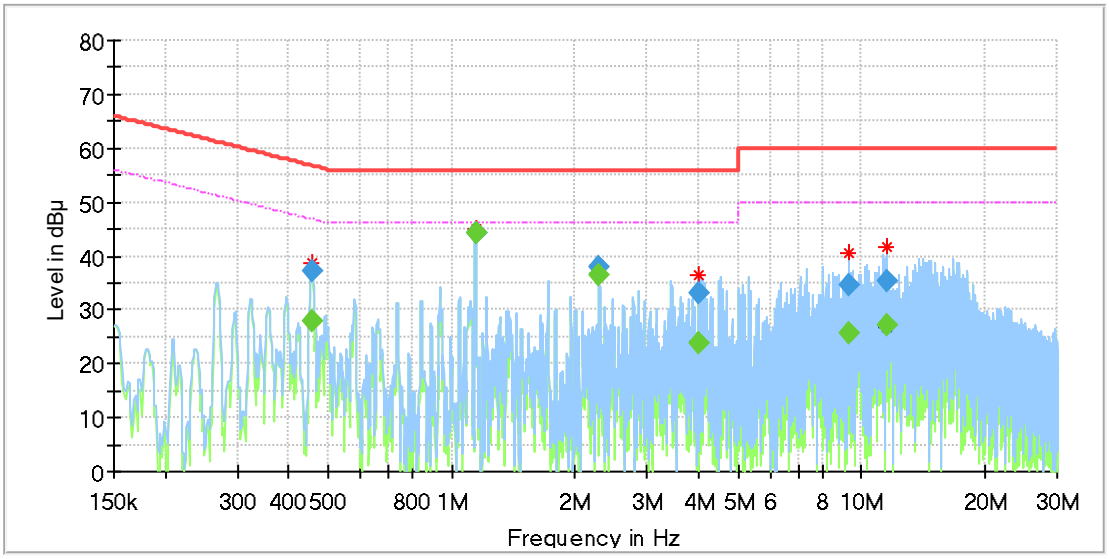
TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.455963	---	28.01	46.77	18.75	1000.0	9.000	L1	OFF	9.7
0.455963	37.04	---	56.77	19.73	1000.0	9.000	L1	OFF	9.7
1.145498	---	44.16	46.00	1.85	1000.0	9.000	L1	OFF	9.6
1.145498	44.40	---	56.00	11.60	1000.0	9.000	L1	OFF	9.6
2.290245	---	36.54	46.00	9.46	1000.0	9.000	L1	OFF	9.7
2.290245	37.93	---	56.00	18.07	1000.0	9.000	L1	OFF	9.7
4.018560	33.02	---	56.00	22.98	1000.0	9.000	L1	OFF	9.8
4.018560	---	23.84	46.00	22.16	1000.0	9.000	L1	OFF	9.8
9.330368	34.61	---	60.00	25.39	1000.0	9.000	L1	OFF	9.5
9.330368	---	25.67	50.00	24.33	1000.0	9.000	L1	OFF	9.5
11.539268	---	27.01	50.00	22.99	1000.0	9.000	L1	OFF	9.4
11.539268	35.20	---	60.00	24.80	1000.0	9.000	L1	OFF	9.4

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.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the HCH of 11B mode which is the worst case, so only the worst case is included in this test report.

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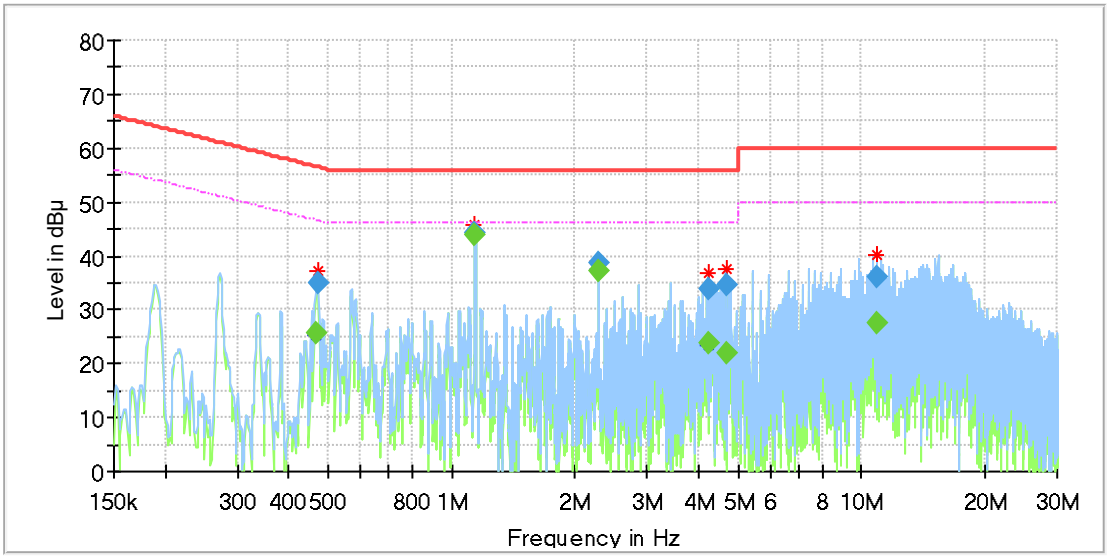
For N Line:



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.469395	---	25.66	46.53	20.86	1000.0	9.000	N	OFF	9.6
0.470888	34.97	---	56.50	21.53	1000.0	9.000	N	OFF	9.6
1.142513	---	43.93	46.00	2.07	1000.0	9.000	N	OFF	9.6
1.142513	44.35	---	56.00	11.65	1000.0	9.000	N	OFF	9.6
2.287260	---	37.11	46.00	8.89	1000.0	9.000	N	OFF	9.5
2.287260	38.53	---	56.00	17.47	1000.0	9.000	N	OFF	9.5
4.224525	33.78	---	56.00	22.22	1000.0	9.000	N	OFF	9.6
4.224525	---	23.73	46.00	22.27	1000.0	9.000	N	OFF	9.6
4.663320	34.54	---	56.00	21.46	1000.0	9.000	N	OFF	9.6
4.663320	---	22.02	46.00	23.98	1000.0	9.000	N	OFF	9.6
10.893015	---	27.51	50.00	22.49	1000.0	9.000	N	OFF	9.9
10.893015	36.08	---	60.00	23.92	1000.0	9.000	N	OFF	9.9

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.
4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
5. Pre-testing all test modes and channels, and find the HCH of 11B mode swhich is the worst case, so only the worst case is included in this test report.

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9. 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 with one IF antenna.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT

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