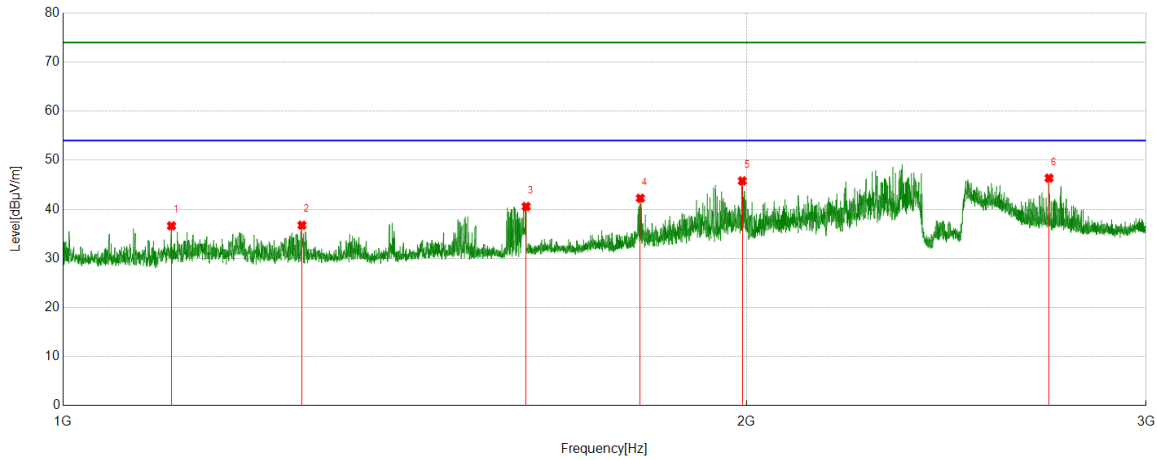




Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS

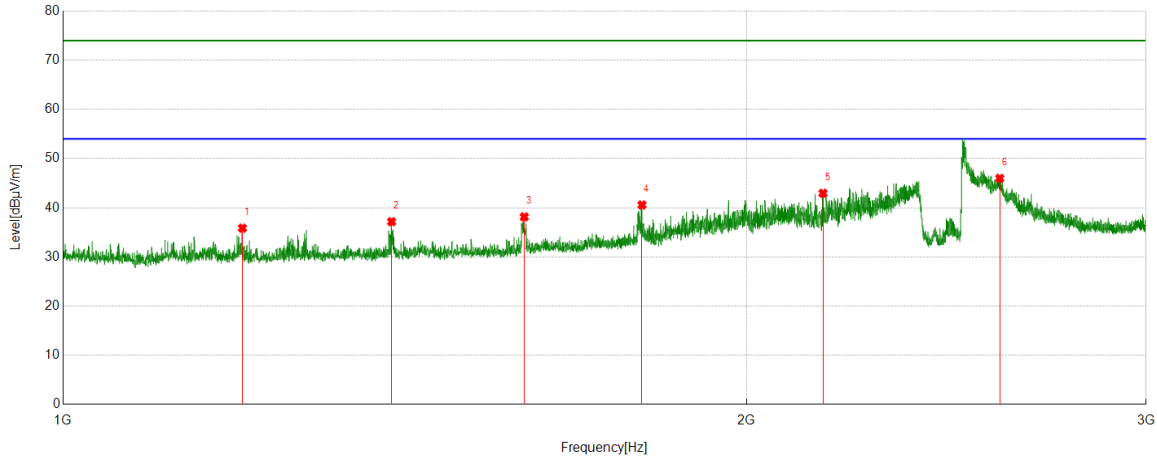


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1116.2645	58.44	-21.81	36.63	74.00	-37.37	peak
2	1274.2843	57.99	-21.23	36.76	74.00	-37.24	peak
3	1599.5749	59.57	-19.00	40.57	74.00	-33.43	peak
4	1796.0995	60.45	-18.19	42.26	74.00	-31.74	peak
5	1991.874	62.66	-16.87	45.79	74.00	-28.21	peak
6	2718.7148	59.57	-13.21	46.36	74.00	-27.64	peak

- 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 below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter 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.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

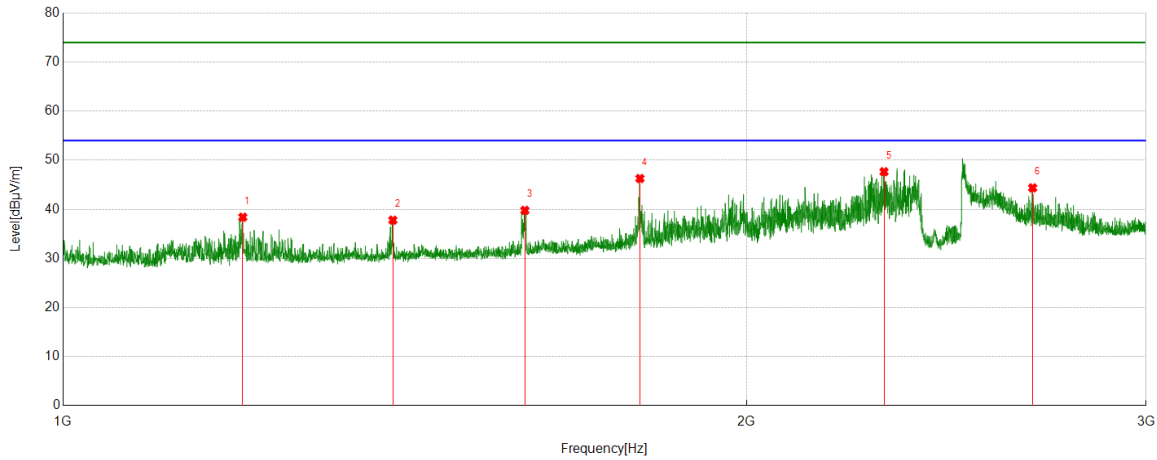


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1199.5249	57.94	-22.09	35.85	74.00	-38.15	peak
2	1395.5494	58.04	-20.87	37.17	74.00	-36.83	peak
3	1596.5746	57.19	-19.05	38.14	74.00	-35.86	peak
4	1799.0999	58.84	-18.27	40.57	74.00	-33.43	peak
5	2161.6452	59.23	-16.28	42.95	74.00	-31.05	peak
6	2586.1983	59.66	-13.68	45.98	74.00	-28.02	peak

- 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 below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter 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.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1200.025	60.49	-22.09	38.40	74.00	-35.60	peak
2	1397.2997	58.66	-20.87	37.79	74.00	-36.21	peak
3	1597.5747	58.83	-19.04	39.79	74.00	-34.21	peak
4	1795.3494	64.45	-18.17	46.28	74.00	-27.72	peak
5	2299.6625	63.37	-15.71	47.66	74.00	-26.34	peak
6	2673.9592	58.04	-13.67	44.37	74.00	-29.63	peak

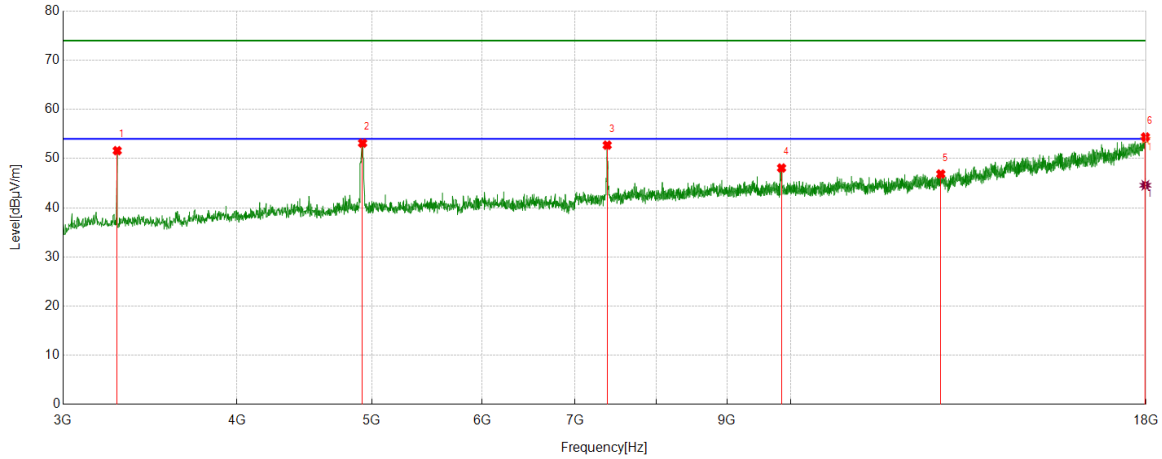
- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 4. Peak: Peak detector.
 5. AVG: VBW refer to section 7.2.
 6. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter 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.



Part II: 3GHz~18GHz

HARMONICS AND SPURIOUS EMISSIONS

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

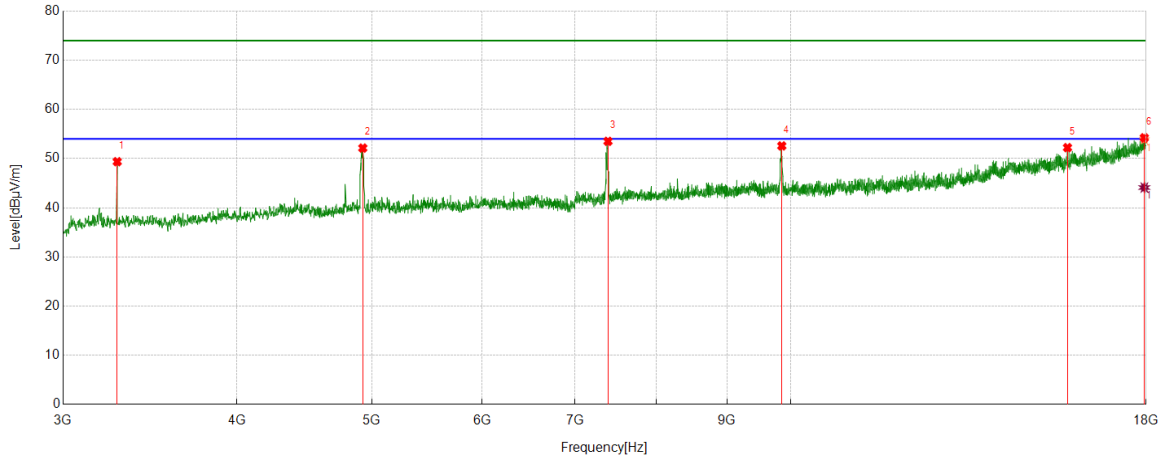


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	61.49	-9.88	51.61	74.00	-22.39	peak
2	4923.9905	58.11	-4.97	53.14	74.00	-20.86	peak
3	7380.5476	53.18	-0.45	52.73	74.00	-21.27	peak
4	9848.356	45.17	2.92	48.09	74.00	-25.91	peak
5	12816.8521	40.48	6.38	46.86	74.00	-27.14	peak
6	17979.3724	36.47	17.92	54.39	74.00	-19.61	peak
		26.66	17.92	44.58	54.00	-9.42	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.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS

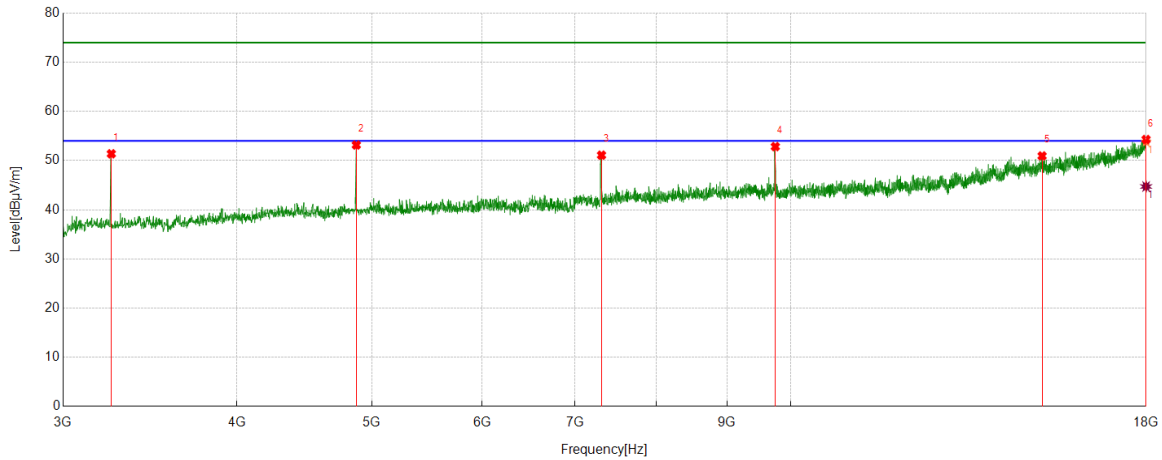


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	59.25	-9.88	49.37	74.00	-24.63	peak
2	4925.8657	57.10	-4.96	52.14	74.00	-21.86	peak
3	7389.9237	54.15	-0.64	53.51	74.00	-19.99	peak
4	9852.1065	49.65	2.93	52.58	74.00	-21.42	peak
5	15805.9757	39.68	12.55	52.23	74.00	-21.77	peak
6	17947.4934	36.53	17.69	54.22	74.00	-19.78	peak
		26.42	17.69	44.11	54.00	-9.89	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.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

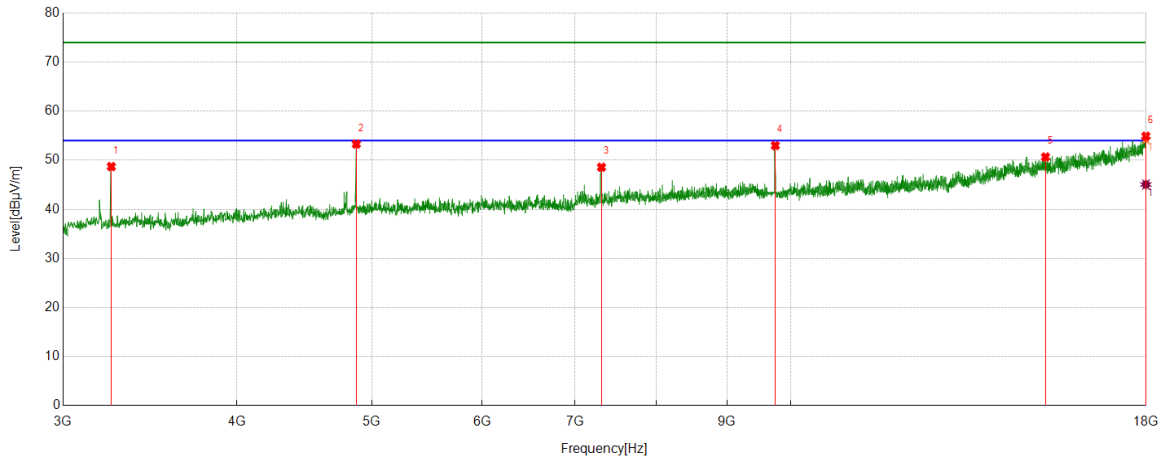


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	62.01	-10.63	51.38	74.00	-22.62	peak
2	4873.3592	57.81	-4.65	53.16	74.00	-20.84	peak
3	7311.1639	51.53	-0.43	51.10	74.00	-22.90	peak
4	9747.0934	49.95	2.89	52.84	74.00	-21.16	peak
5	15155.2694	39.74	11.21	50.95	74.00	-23.05	peak
6	18000	36.19	18.10	54.29	74.00	-19.71	peak
		26.63	18.10	44.73	54.00	-9.27	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.



Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS

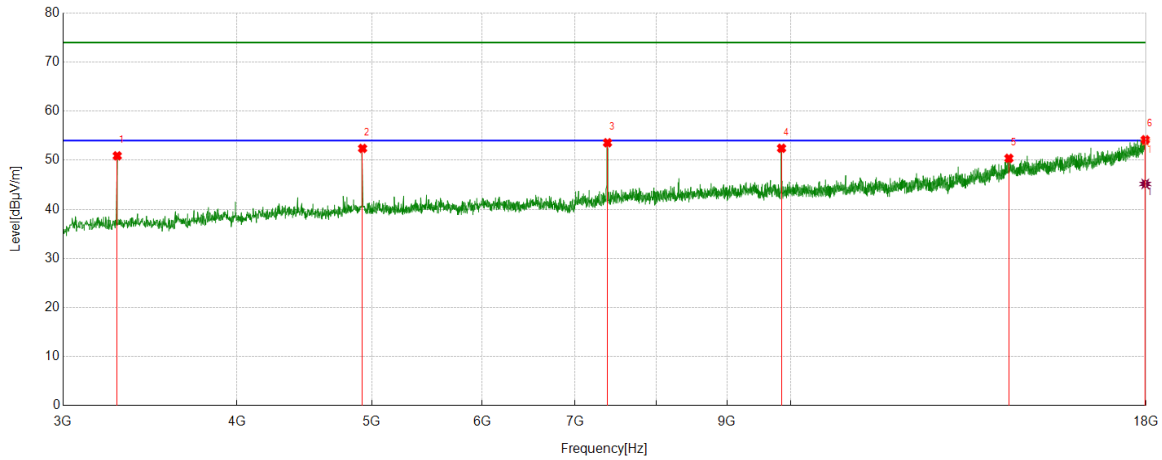


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	59.34	-10.63	48.71	74.00	-25.29	peak
2	4873.3592	57.94	-4.65	53.29	74.00	-20.71	peak
3	7311.1639	49.00	-0.43	48.57	74.00	-25.43	peak
4	9747.0934	50.10	2.89	52.99	74.00	-21.01	peak
5	15241.5302	39.08	11.59	50.67	74.00	-23.33	peak
		37.01	17.89	54.90	74.00	-19.10	peak
6	17994.3743	27.17	17.89	45.06	54.00	-8.94	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.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Horizontal	PASS

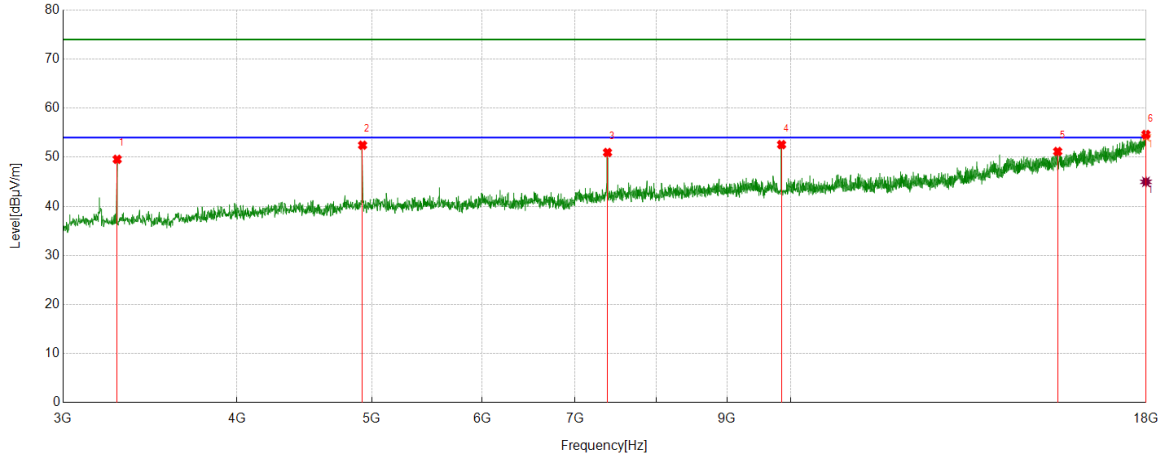


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	60.78	-9.88	50.90	74.00	-23.10	peak
2	4923.9905	57.38	-4.97	52.41	74.00	-21.59	peak
3	7384.298	54.09	-0.53	53.56	74.00	-20.44	peak
4	9848.356	49.52	2.92	52.44	74.00	-21.56	peak
5	14345.1681	39.67	10.72	50.39	74.00	-23.61	peak
6	17975.622	36.14	18.03	54.17	74.00	-19.83	peak
		27.15	18.03	45.18	54.00	-8.82	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.



Test Mode	Channel	Polarization	Verdict
11B	HCH	Vertical	PASS

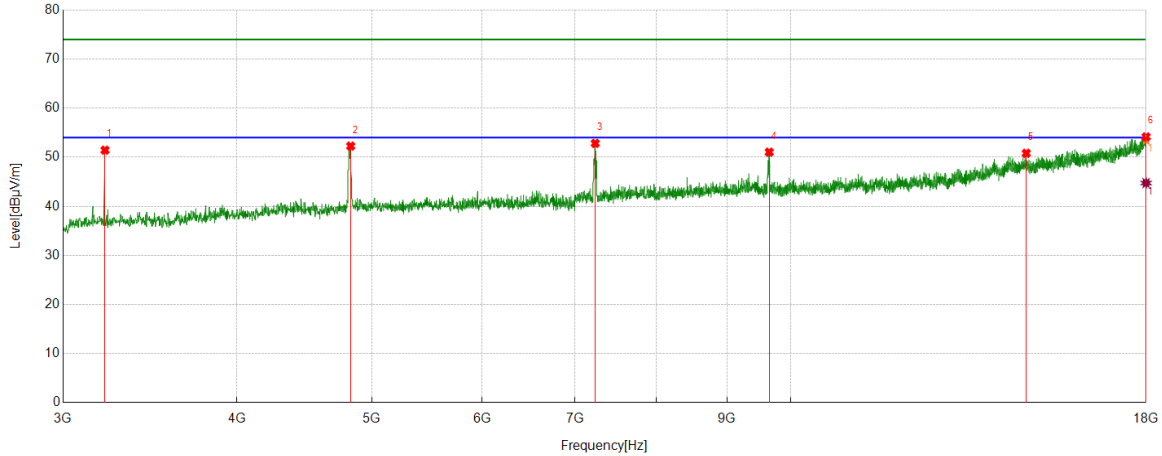


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	59.46	-9.88	49.58	74.00	-24.42	peak
2	4923.9905	57.42	-4.97	52.45	74.00	-21.55	peak
3	7384.298	51.50	-0.53	50.97	74.00	-23.03	peak
4	9848.356	49.65	2.92	52.57	74.00	-21.43	peak
5	15550.9439	38.84	12.33	51.17	74.00	-22.83	peak
6	17996.2495	36.67	17.96	54.63	74.00	-19.37	peak
		27.03	17.96	44.99	54.00	-9.01	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.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Horizontal	PASS

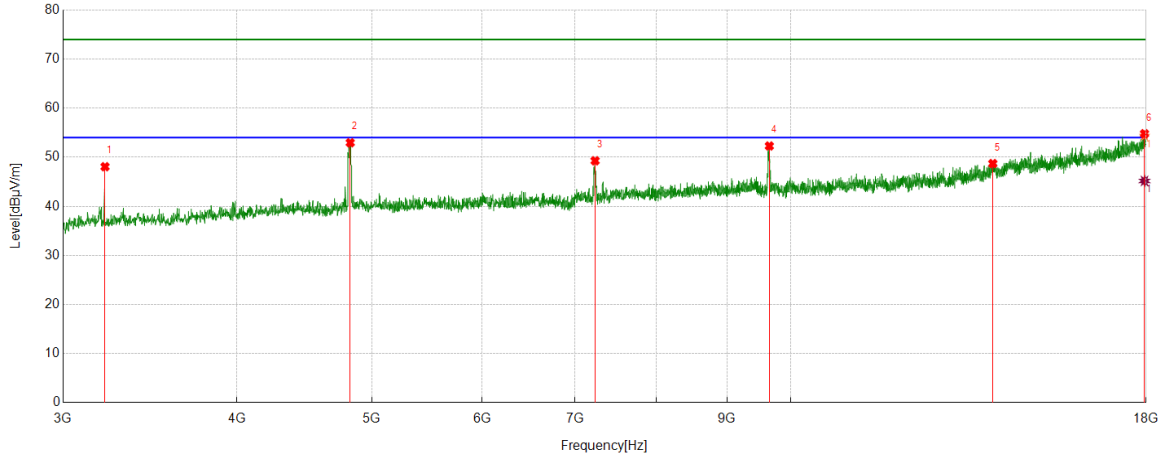


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.652	61.76	-10.32	51.44	74.00	-22.56	peak
2	4828.3535	57.21	-4.93	52.28	74.00	-21.72	peak
3	7236.1545	53.76	-0.93	52.83	74.00	-21.17	peak
4	9649.5812	48.43	2.61	51.04	74.00	-22.96	peak
5	14763.3454	39.43	11.38	50.81	74.00	-23.19	peak
6	18000	36.05	18.10	54.15	74.00	-19.85	peak
		26.65	18.10	44.75	54.00	-9.25	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.



Test Mode	Channel	Polarization	Verdict
11G	LCH	Vertical	PASS

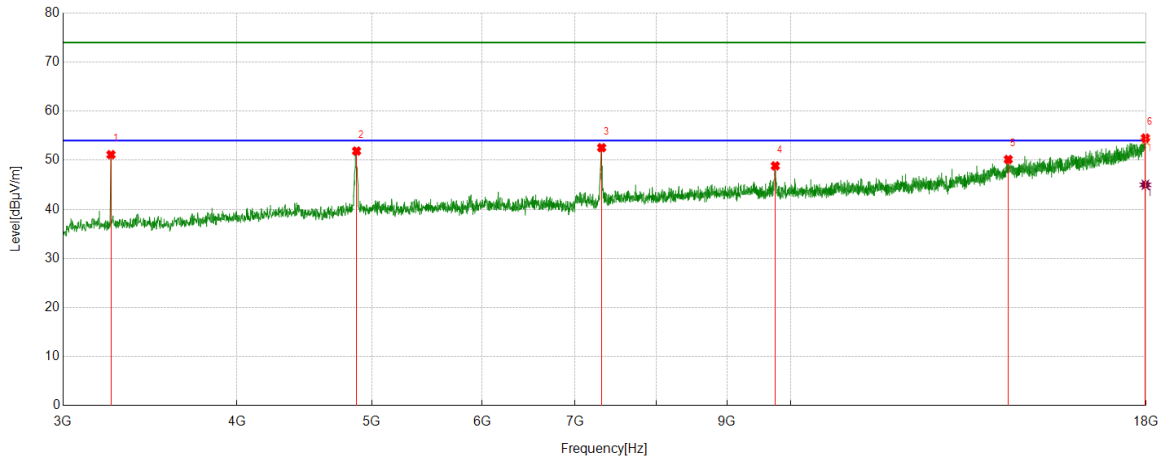


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.652	58.39	-10.32	48.07	74.00	-25.93	peak
2	4824.6031	58.01	-5.05	52.96	74.00	-21.04	peak
3	7234.2793	50.21	-0.93	49.28	74.00	-24.72	peak
4	9651.4564	49.68	2.61	52.29	74.00	-21.71	peak
5	13968.246	38.62	10.09	48.71	74.00	-25.29	peak
6	17953.1191	37.15	17.64	54.79	74.00	-19.21	peak
		27.53	17.64	45.17	54.00	-8.83	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.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Horizontal	PASS

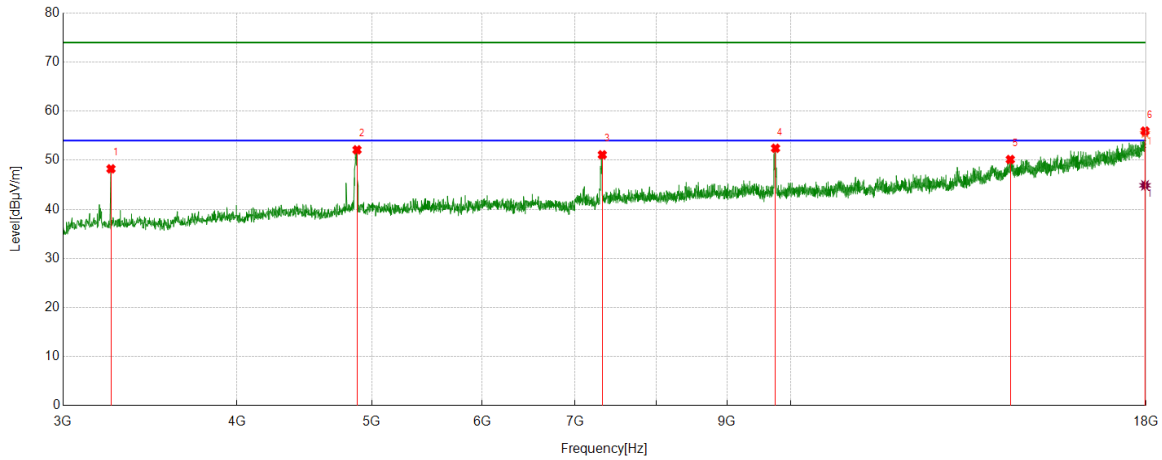


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3247.5309	61.70	-10.56	51.14	74.00	-22.86	peak
2	4875.2344	56.43	-4.56	51.87	74.00	-22.13	peak
3	7313.0391	52.94	-0.38	52.56	74.00	-21.44	peak
4	9747.0934	45.96	2.89	48.85	74.00	-25.15	peak
5	14330.1663	39.91	10.25	50.16	74.00	-23.84	peak
6	17979.3724	36.60	17.92	54.52	74.00	-19.48	peak
		27.08	17.92	45.00	54.00	-9.00	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.



Test Mode	Channel	Polarization	Verdict
11G	MCH	Vertical	PASS

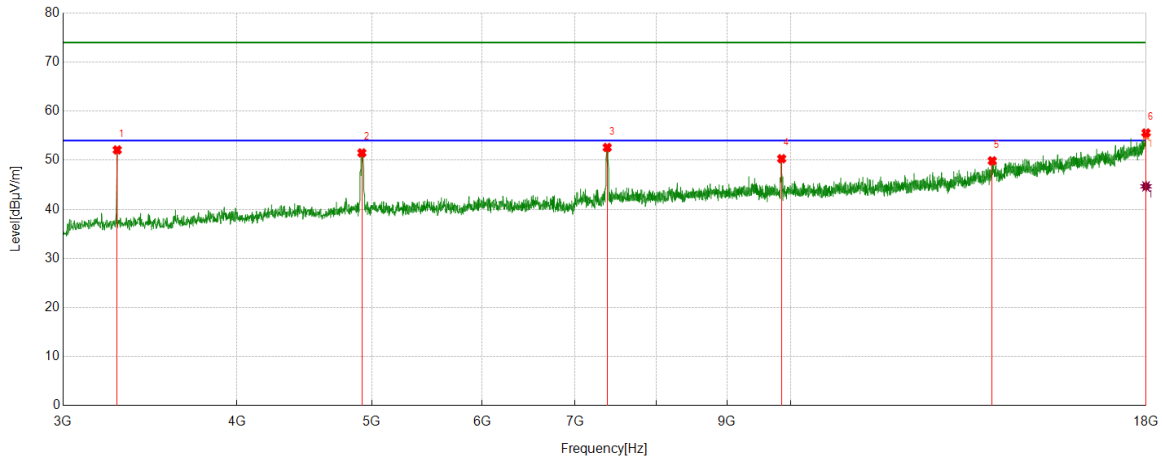


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3247.5309	58.81	-10.56	48.25	74.00	-25.75	peak
2	4878.9849	56.49	-4.37	52.12	74.00	-21.88	peak
3	7320.5401	51.33	-0.22	51.11	74.00	-22.89	peak
4	9750.8439	49.56	2.88	52.44	74.00	-21.56	peak
5	14378.9224	38.92	11.23	50.15	74.00	-23.85	peak
6	17968.121	37.88	18.06	55.94	74.00	-18.06	peak
		26.83	18.06	44.89	54.00	-9.11	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.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Horizontal	PASS

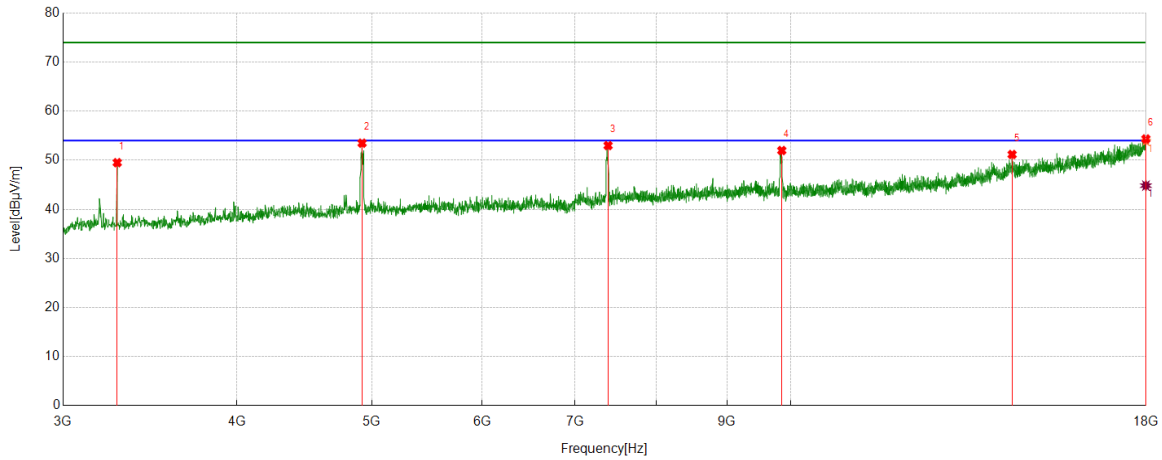


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	61.98	-9.88	52.10	74.00	-21.90	peak
2	4918.3648	56.43	-4.93	51.50	74.00	-22.50	peak
3	7380.5476	53.05	-0.45	52.60	74.00	-21.40	peak
4	9850.2313	47.36	2.95	50.31	74.00	-23.69	peak
5	13955.1194	39.74	10.14	49.88	74.00	-24.12	peak
6	17998.1248	37.53	18.03	55.56	74.00	-18.44	peak
		26.65	18.03	44.68	54.00	-9.32	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.



Test Mode	Channel	Polarization	Verdict
11G	HCH	Vertical	PASS

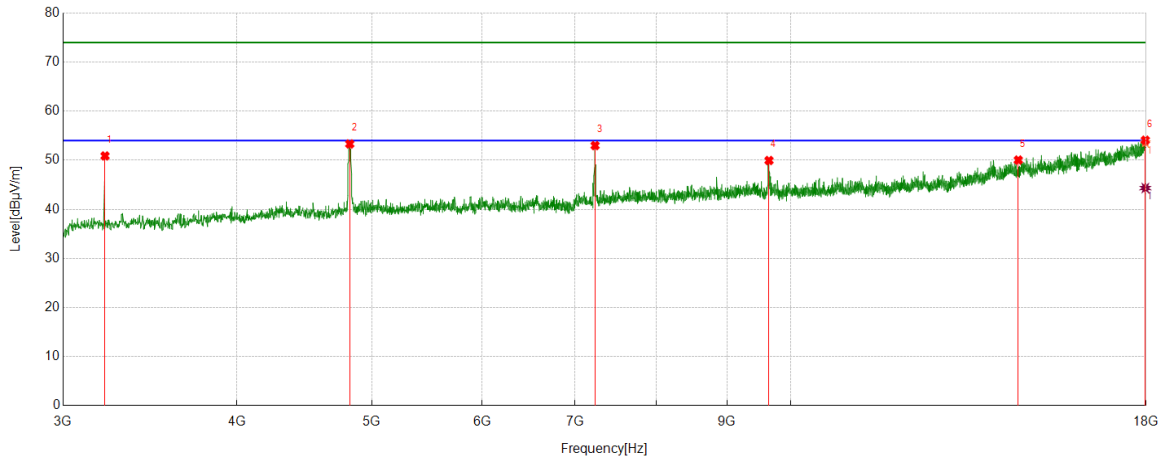


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	59.39	-9.88	49.51	74.00	-24.49	peak
2	4920.24	58.45	-4.97	53.48	74.00	-20.52	peak
3	7391.799	53.61	-0.62	52.99	74.00	-21.01	peak
4	9852.1065	49.05	2.93	51.98	74.00	-22.02	peak
5	14422.0528	40.15	11.02	51.17	74.00	-22.83	peak
6	17994.3743	36.45	17.89	54.34	74.00	-19.66	peak
		26.94	17.89	44.83	54.00	-9.17	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Horizontal	PASS

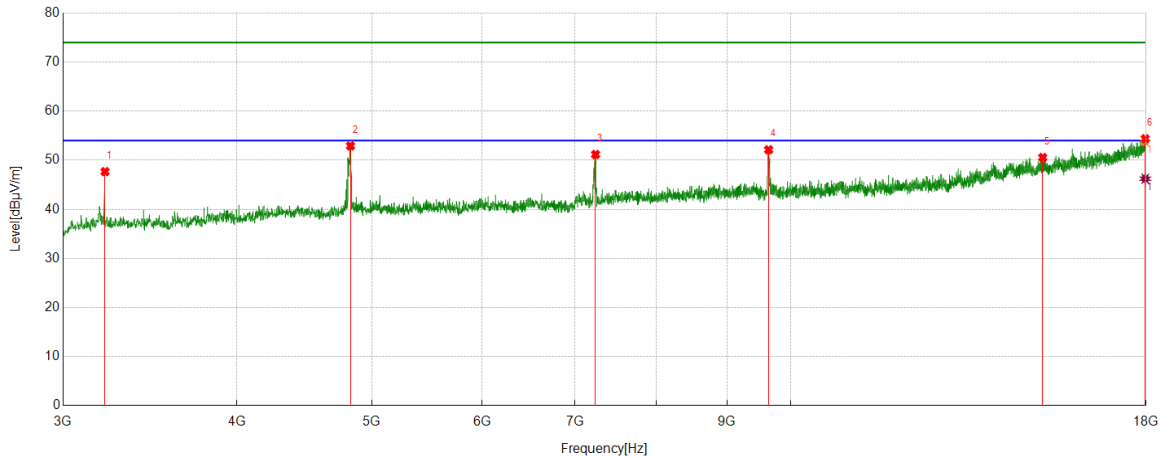


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.652	61.20	-10.32	50.88	74.00	-23.12	peak
2	4820.8526	58.49	-5.17	53.32	74.00	-20.68	peak
3	7234.2793	53.92	-0.93	52.99	74.00	-21.01	peak
4	9645.8307	47.21	2.74	49.95	74.00	-24.05	peak
5	14570.1963	38.92	11.12	50.04	74.00	-23.96	peak
6	17977.4972	36.11	17.97	54.08	74.00	-19.92	peak
		26.37	17.97	44.34	54.00	-9.66	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	LCH	Vertical	PASS

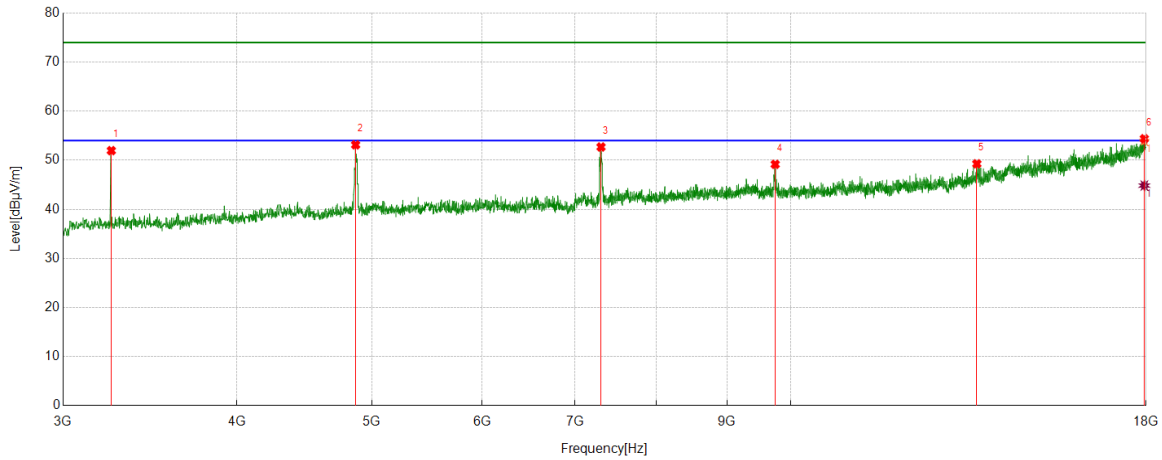


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3215.652	58.00	-10.32	47.68	74.00	-26.32	peak
2	4826.4783	57.91	-4.99	52.92	74.00	-21.08	peak
3	7239.905	52.13	-0.95	51.18	74.00	-22.82	peak
4	9640.205	49.21	2.92	52.13	74.00	-21.87	peak
5	15170.2713	38.86	11.70	50.56	74.00	-23.44	peak
6	17975.622	36.35	18.03	54.38	74.00	-19.62	peak
		28.21	18.03	46.24	54.00	-7.76	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Horizontal	PASS

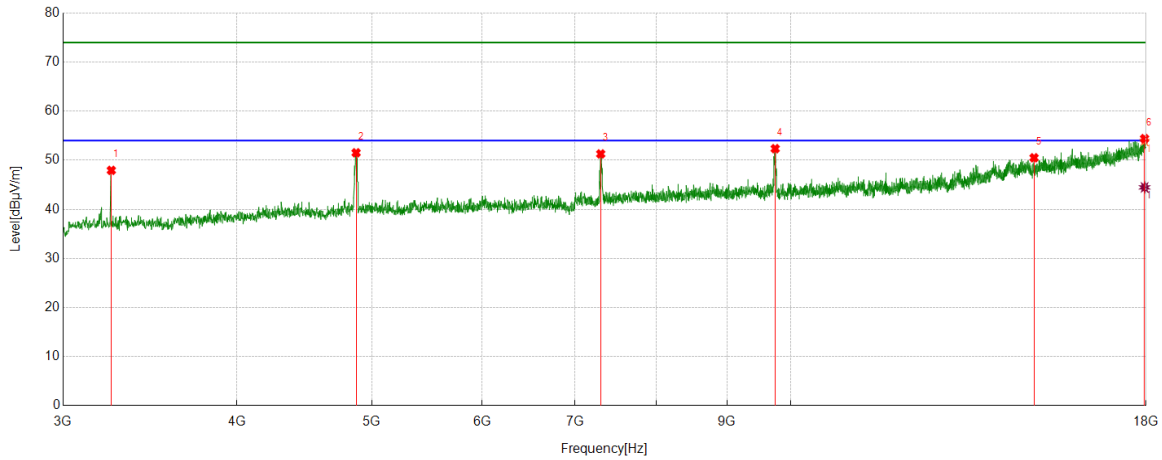


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	62.59	-10.63	51.96	74.00	-22.04	peak
2	4867.7335	57.92	-4.79	53.13	74.00	-20.87	peak
3	7305.5382	53.10	-0.40	52.70	74.00	-21.30	peak
4	9745.2182	46.28	2.89	49.17	74.00	-24.83	peak
5	13604.4506	40.70	8.57	49.27	74.00	-24.73	peak
6	17947.4934	36.69	17.69	54.38	74.00	-19.62	peak
		27.15	17.69	44.84	54.00	-9.16	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	MCH	Vertical	PASS

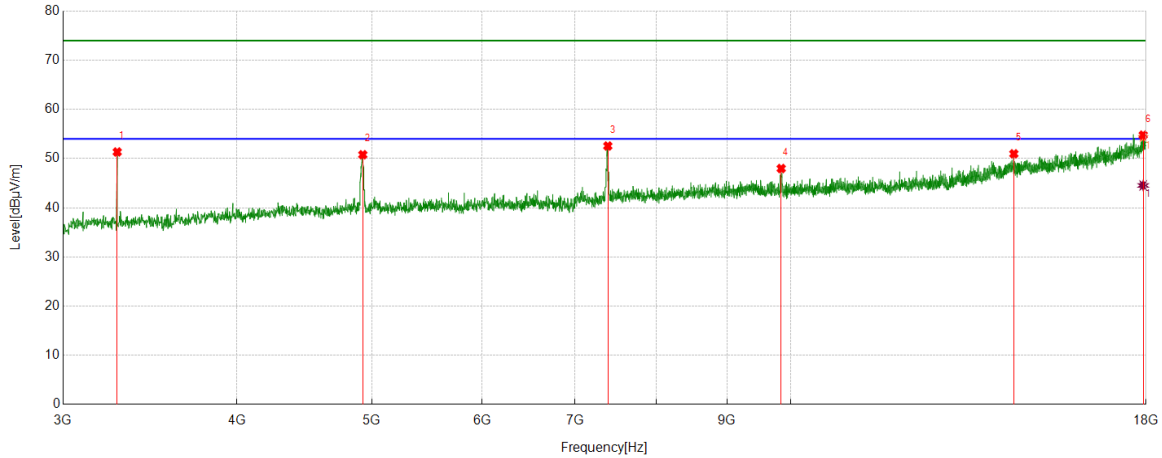


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3249.4062	58.57	-10.63	47.94	74.00	-26.06	peak
2	4871.4839	56.27	-4.75	51.52	74.00	-22.48	peak
3	7301.7877	51.65	-0.36	51.29	74.00	-22.71	peak
4	9745.2182	49.47	2.89	52.36	74.00	-21.64	peak
5	14954.6193	39.14	11.36	50.50	74.00	-23.50	peak
6	17954.9944	36.78	17.62	54.40	74.00	-19.60	peak
		26.85	17.62	44.47	54.00	-9.53	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Horizontal	PASS

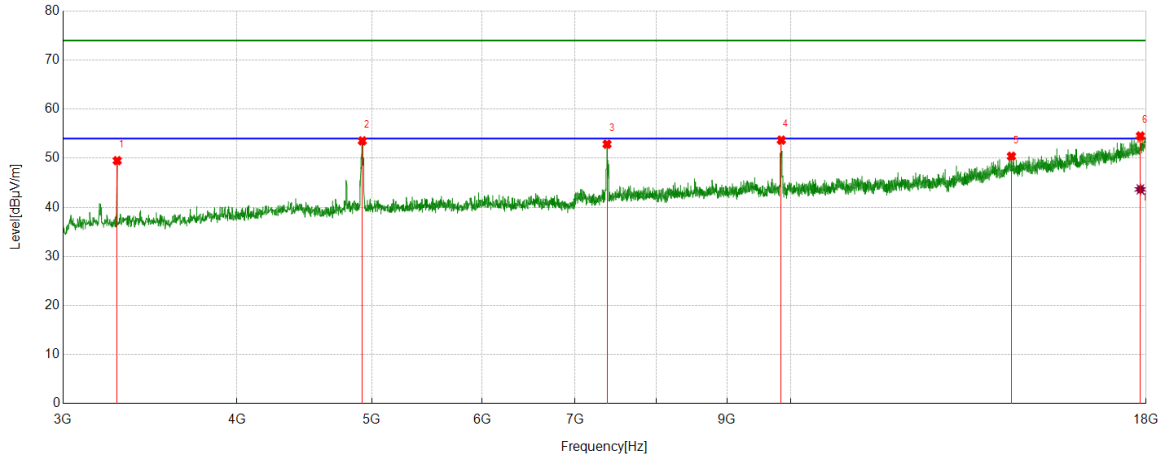


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	61.23	-9.88	51.35	74.00	-22.65	peak
2	4925.8657	55.75	-4.96	50.79	74.00	-23.21	peak
3	7388.0485	53.16	-0.60	52.56	74.00	-21.44	peak
4	9842.7303	45.18	2.80	47.98	74.00	-26.02	peak
5	14463.3079	40.25	10.72	50.97	74.00	-23.03	peak
6	17913.7392	36.83	17.95	54.78	74.00	-19.22	peak
		26.59	17.95	44.54	54.00	-9.46	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.



Test Mode	Channel	Polarization	Verdict
11N HT20	HCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3281.2852	59.39	-9.88	49.51	74.00	-24.49	peak
2	4922.1153	58.50	-4.96	53.54	74.00	-20.46	peak
3	7378.6723	53.26	-0.39	52.87	74.00	-21.13	peak
4	9844.6056	50.85	2.84	53.69	74.00	-20.31	peak
5	14405.1756	39.46	10.94	50.40	74.00	-23.60	peak
6	17831.2289	37.16	17.37	54.53	74.00	-19.47	peak
		26.29	17.37	43.66	54.00	-10.34	average

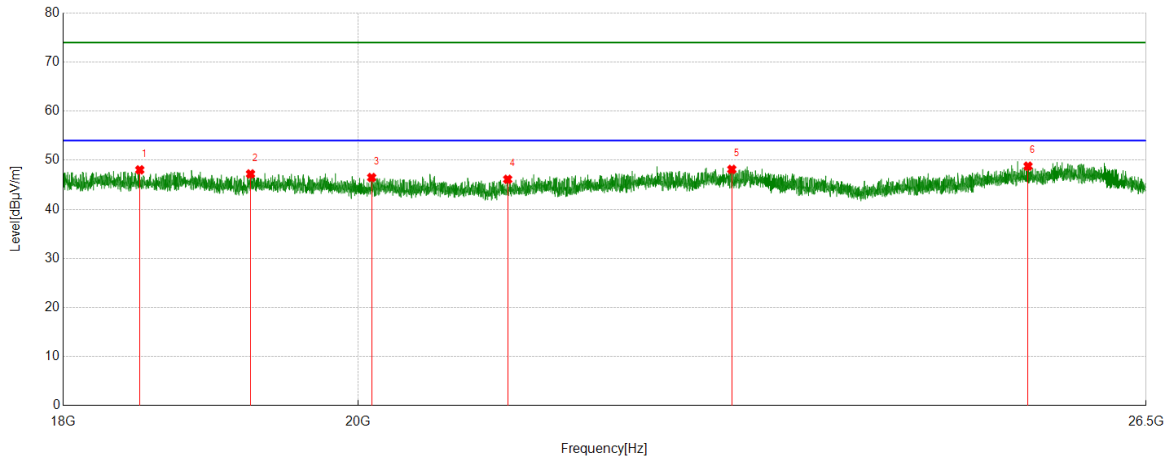
- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 4. Peak: Peak detector.
 5. AVG: VBW refer to section 7.2.
 6. For above 3GHz part, filter losses 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.



Part III: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

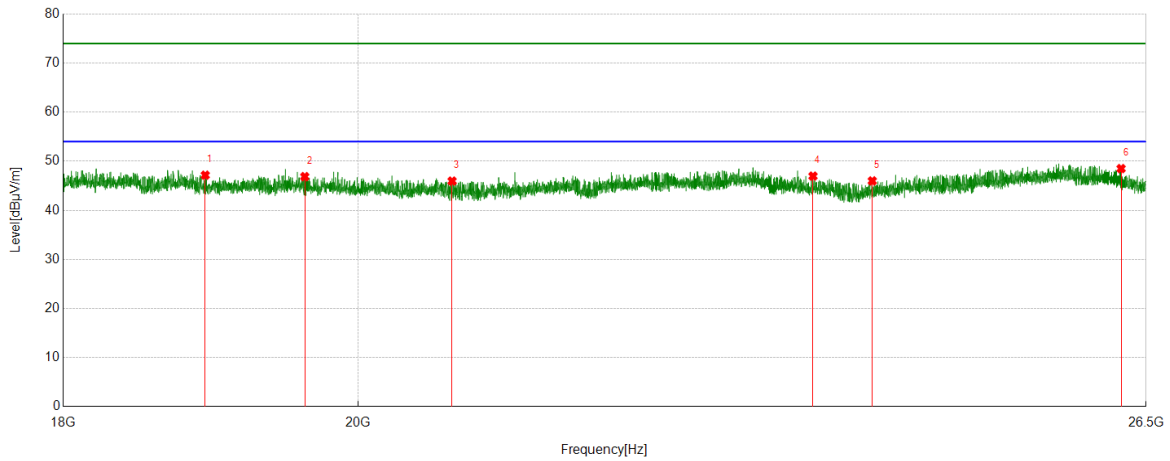


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18499.85	48.97	-0.93	48.04	74.00	-25.96	peak
2	19246.2246	48.13	-0.92	47.21	74.00	-26.79	peak
3	20097.1597	47.02	-0.54	46.48	74.00	-27.52	peak
4	21097.7098	47.03	-0.92	46.11	74.00	-27.89	peak
5	22855.6856	47.02	1.12	48.14	74.00	-25.86	peak
6	25405.9406	48.10	0.69	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.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18937.6438	48.28	-1.12	47.16	74.00	-26.84	peak
2	19622.8123	47.55	-0.69	46.86	74.00	-27.14	peak
3	20682.8683	46.81	-0.85	45.96	74.00	-28.04	peak
4	23528.1028	47.17	-0.20	46.97	74.00	-27.03	peak
5	24031.3531	47.18	-1.19	45.99	74.00	-28.01	peak
6	26264.5265	47.33	1.17	48.50	74.00	-25.50	peak

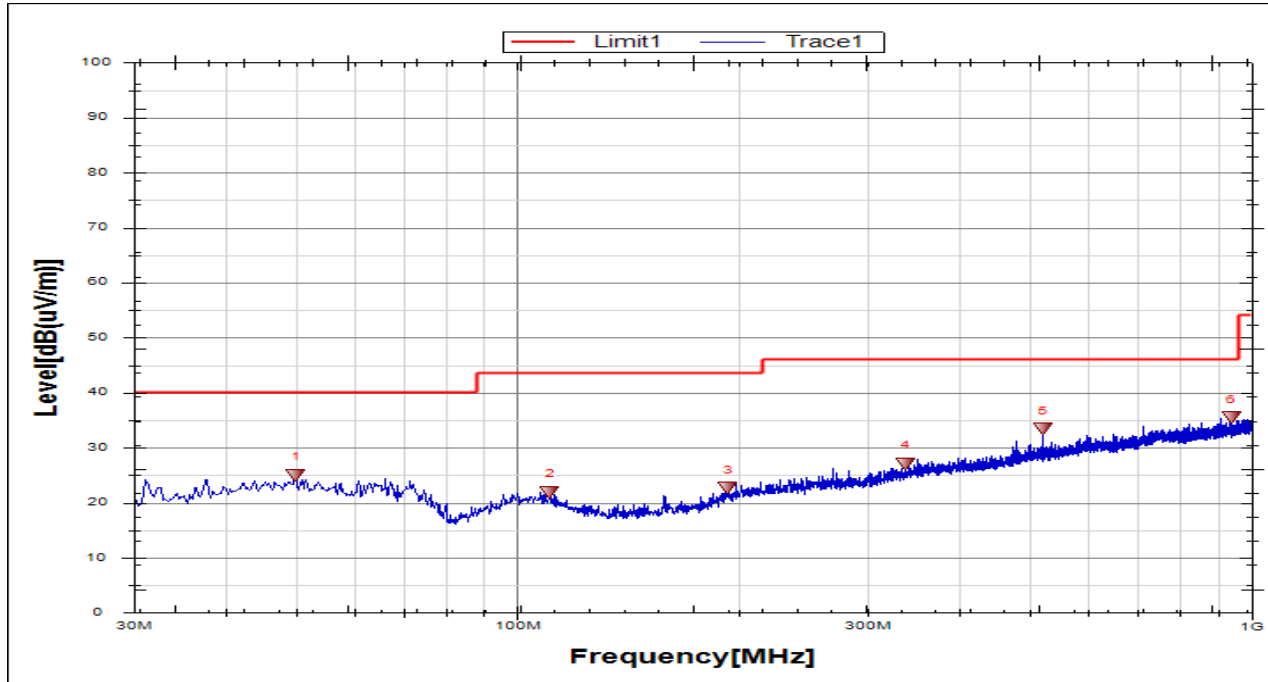
Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part IV: 30MHz~1GHz

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

Test Mode	Channel	Polarization	Verdict
11B	LCH	Horizontal	PASS

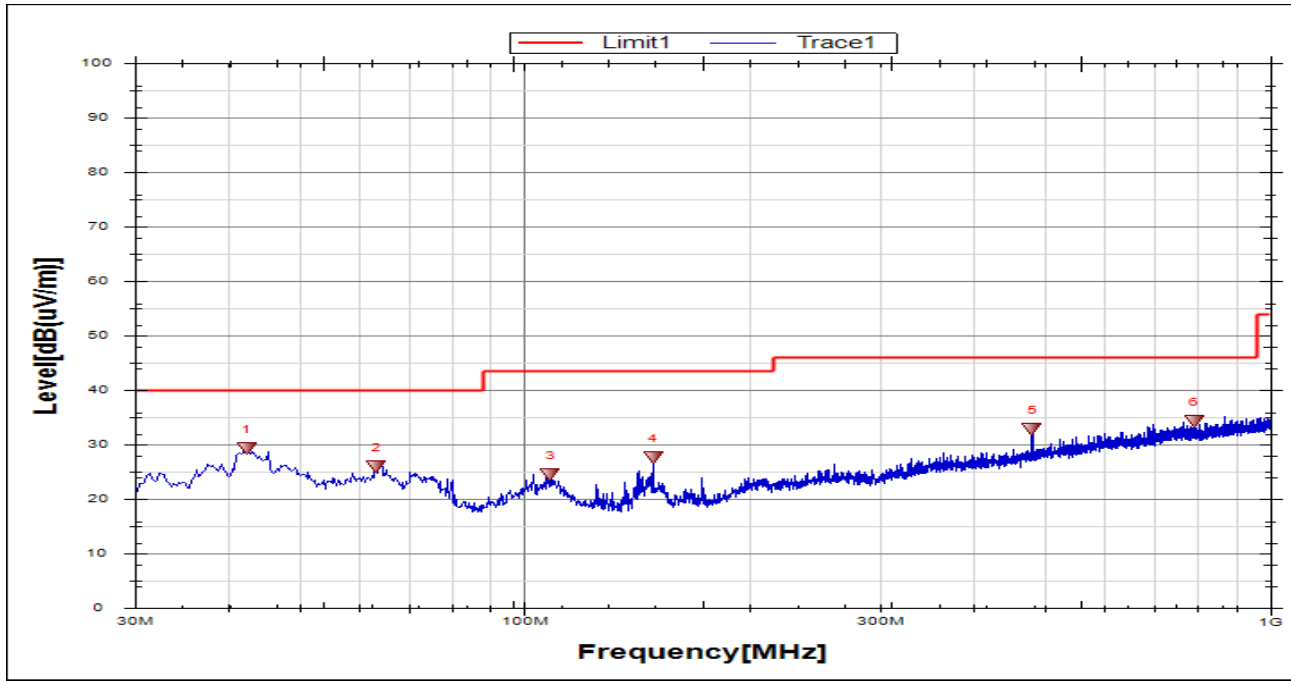


No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.89	3.99	21.03	25.02	40	-14.98	peak
2	110.7728	3.67	18.3	21.97	43.5	-21.53	peak
3	193.7287	4.33	18.3	22.63	43.5	-20.87	peak
4	337.8099	4.37	22.68	27.05	46	-18.95	peak
5	519.9732	7.35	26.01	33.36	46	-12.64	peak
6	937.6633	3.68	31.76	35.44	46	-10.56	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.



Test Mode	Channel	Polarization	Verdict
11B	LCH	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	42.3706	9.11	20.22	29.33	40	-10.67	peak
2	63.2309	7.5	18.57	26.07	40	-13.93	peak
3	108.3472	6.15	18.5	24.65	43.5	-18.85	peak
4	148.6123	12.34	15.37	27.71	43.5	-15.79	peak
5	479.9507	7.66	25.23	32.89	46	-13.11	peak
6	789.9436	4.32	30.11	34.43	46	-11.57	peak

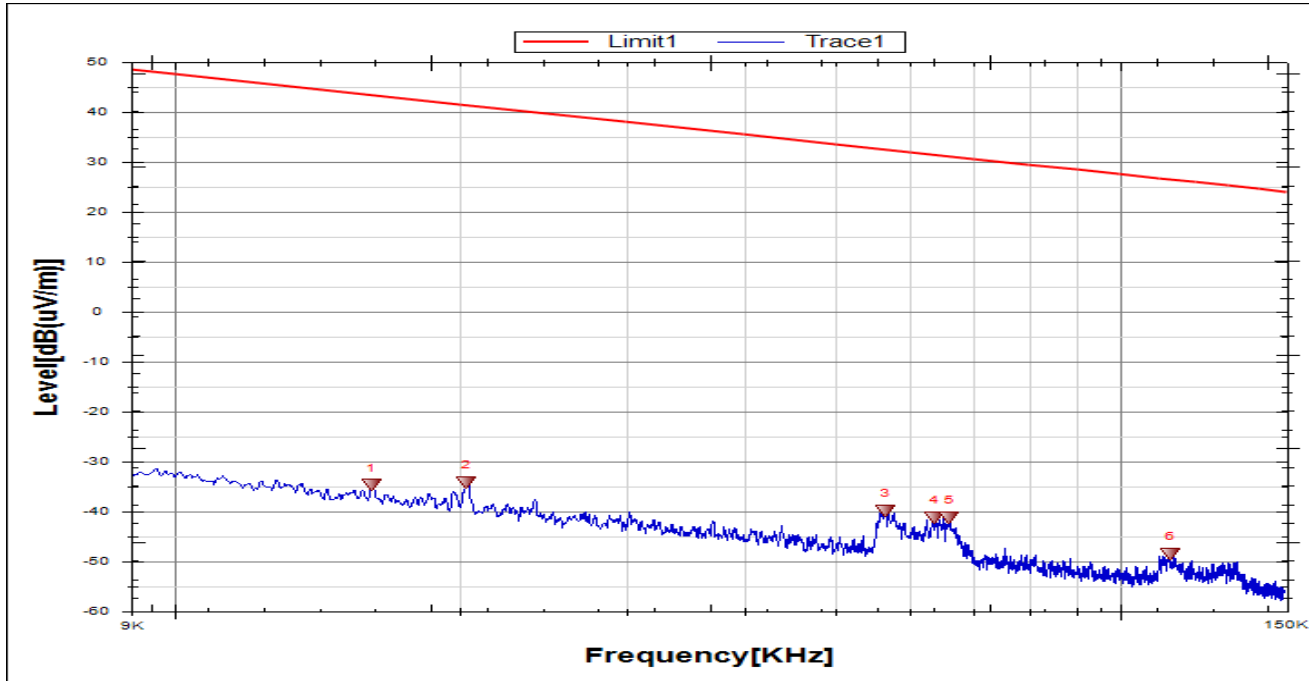
- Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
 3. Measurement = Reading Level + Correct Factor.



Part V: 9KHz~30MHz

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

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

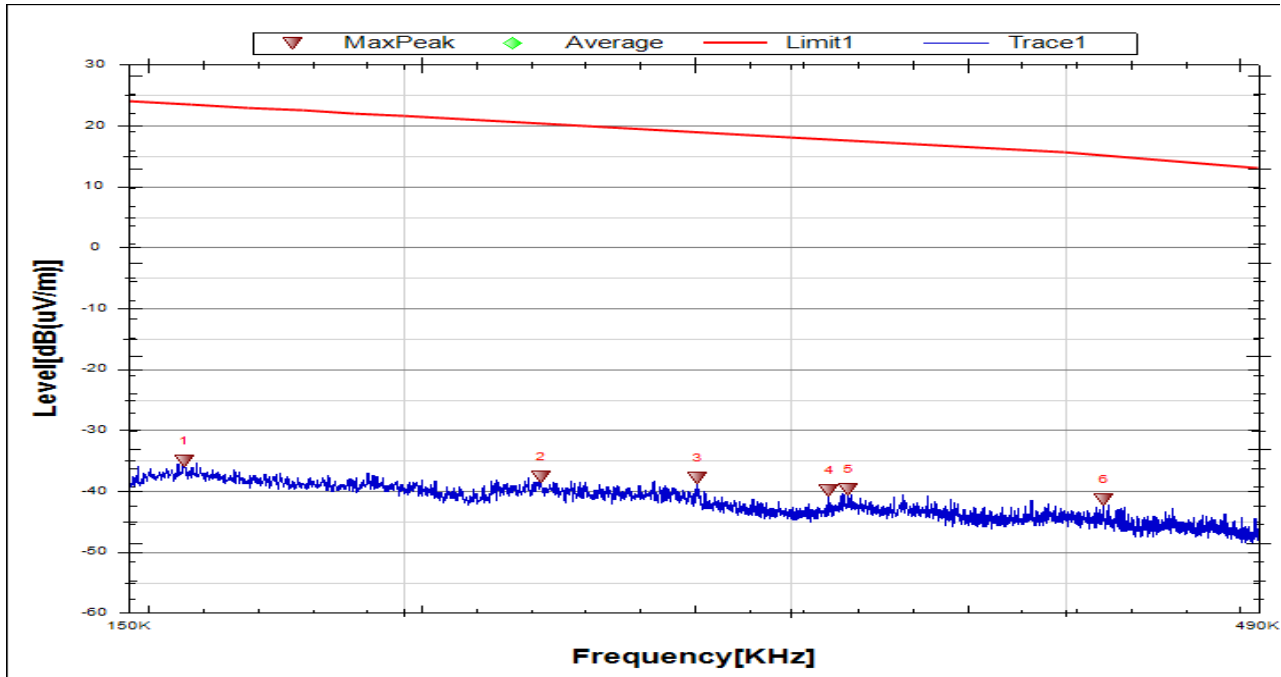


No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	IC Result (dBuA/m)	IC Limit (dBuA/m)	Margin (dB)	Remark
1	0.0161	27.18	-61.85	-34.67	43.93	-86.17	-7.57	-78.60	peak
2	0.0203	27.6	-61.81	-34.21	41.47	-85.71	-10.03	-75.68	peak
3	0.0564	22.04	-61.73	-39.69	32.61	-91.19	-18.89	-72.30	peak
4	0.0635	20.55	-61.75	-41.2	31.58	-92.70	-19.92	-72.78	peak
5	0.0659	20.63	-61.76	-41.13	31.26	-92.63	-20.24	-72.39	peak
6	0.1129	13.48	-61.82	-48.34	26.56	-99.84	-24.94	-74.90	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
 5. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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

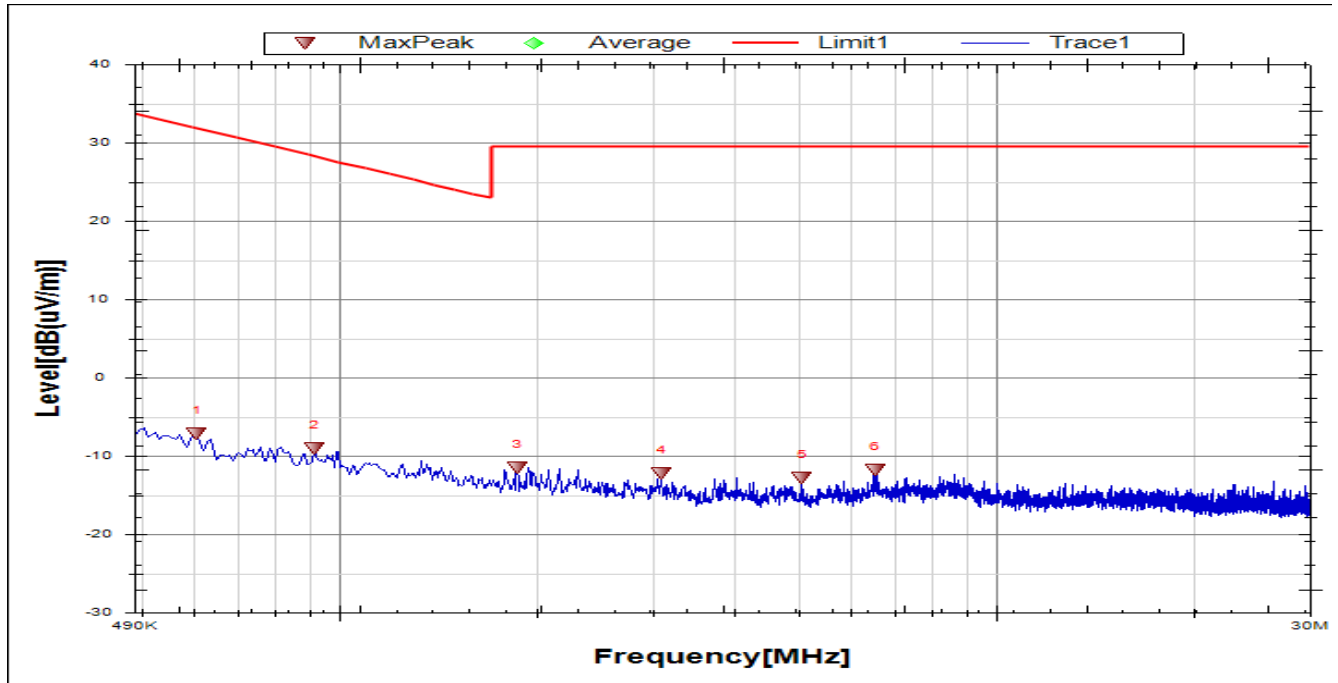


No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	IC Result	IC Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1588	26.76	-61.84	-35.08	23.59	-86.58	-27.91	-58.67	peak
2	0.2309	24.31	-61.88	-37.57	20.49	-89.07	-31.01	-58.06	peak
3	0.2722	24	-61.9	-37.9	19.04	-89.40	-32.46	-56.94	peak
4	0.3124	22.07	-61.91	-39.84	17.75	-91.34	-33.75	-57.59	peak
5	0.3188	22.23	-61.91	-39.68	17.59	-91.18	-33.91	-57.27	peak
6	0.4167	20.47	-61.88	-41.41	15.1	-92.91	-36.40	-56.51	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
 5. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	IC Result (dBuA/m)	IC Limit (dBuA/m)	Margin (dB)	Remark
1	0.6081	14.76	-21.88	-7.12	31.93	-58.62	-19.57	-39.05	peak
2	0.918	12.89	-21.85	-8.96	28.35	-60.46	-23.15	-37.31	peak
3	1.8699	10.32	-21.82	-11.5	29.54	-63.00	-21.96	-41.04	peak
4	3.0948	9.54	-21.77	-12.23	29.54	-63.73	-21.96	-41.77	peak
5	5.0724	9.04	-21.79	-12.75	29.54	-64.25	-21.96	-42.29	peak
6	6.5408	10.01	-21.75	-11.74	29.54	-63.24	-21.96	-41.28	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
 5. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

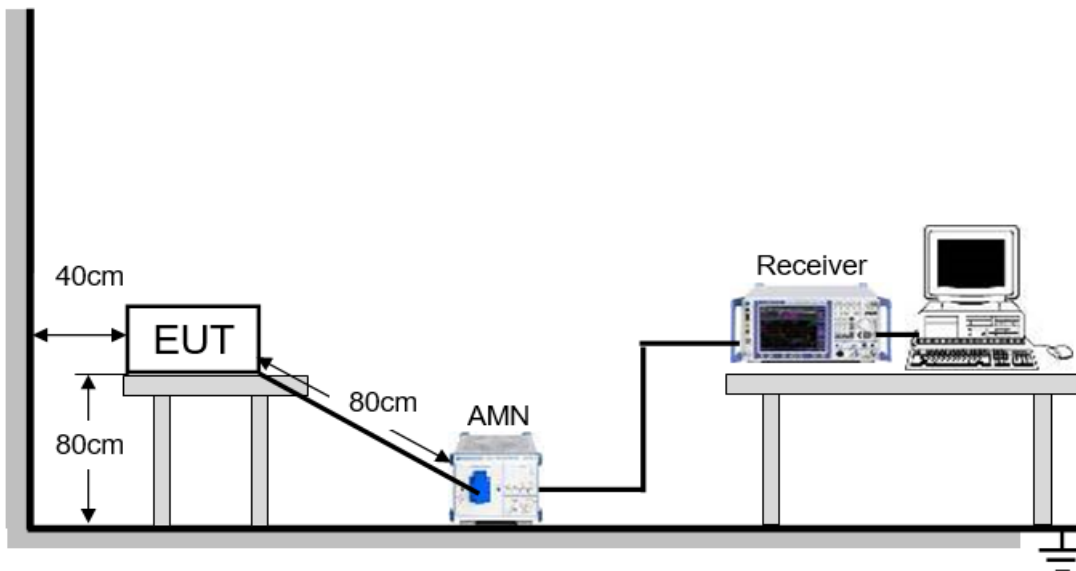
8. AC POWER LINE CONDUCTED EMISSIONS

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.



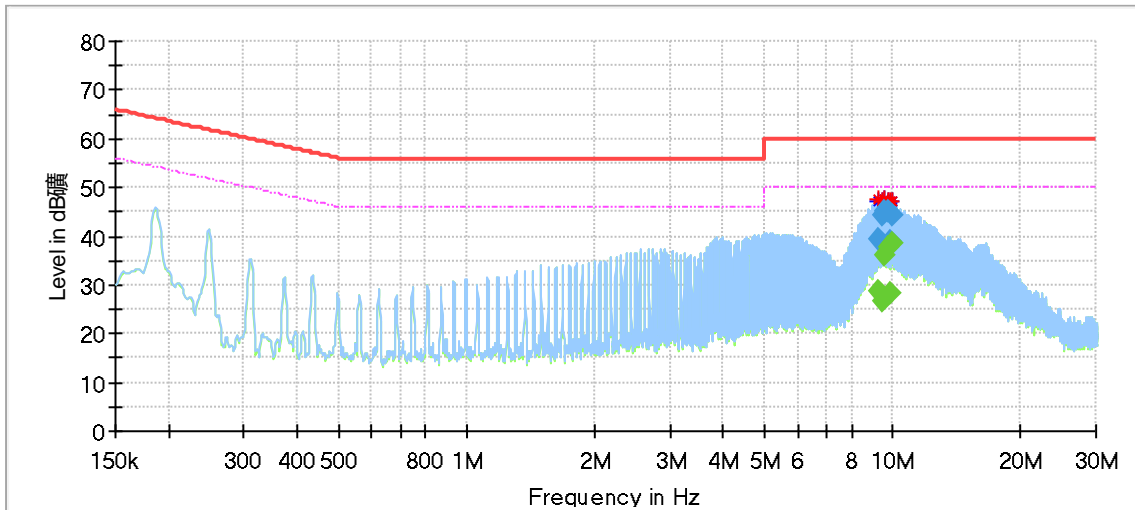
TEST ENVIRONMENT:

Environment Parameter	Selected Values During Tests
Relative Humidity	59.4%
Atmospheric Pressure:	102.1Kpa
Temperature	20.8°C



TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:



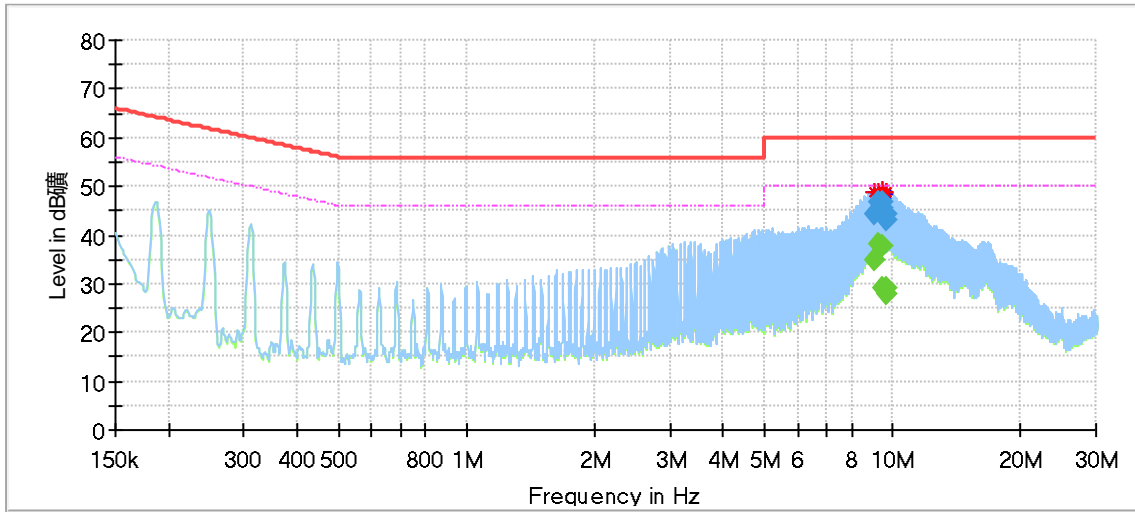
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
9.233355	---	28.88	50.00	21.12	1000.0	9.000	L1	OFF	9.5
9.233355	39.55	---	60.00	20.45	1000.0	9.000	L1	OFF	9.5
9.404993	44.51	---	60.00	15.49	1000.0	9.000	L1	OFF	9.5
9.404993	---	26.47	50.00	23.53	1000.0	9.000	L1	OFF	9.5
9.599018	---	36.30	50.00	13.70	1000.0	9.000	L1	OFF	9.5
9.599018	45.27	---	60.00	14.73	1000.0	9.000	L1	OFF	9.5
9.785580	44.97	---	60.00	15.03	1000.0	9.000	L1	OFF	9.4
9.785580	---	37.87	50.00	12.13	1000.0	9.000	L1	OFF	9.4
9.857220	38.95	---	60.00	21.05	1000.0	9.000	L1	OFF	9.4
9.857220	---	28.25	50.00	21.75	1000.0	9.000	L1	OFF	9.4
10.028858	---	38.49	50.00	11.51	1000.0	9.000	L1	OFF	9.4
10.028858	44.15	---	60.00	15.85	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 LCH of 11B mode which is the worst case, so only the worst case is included in this test report.



For N Line:



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
9.054255	---	34.99	50.00	15.01	1000.0	9.000	N	OFF	9.8
9.054255	44.48	---	60.00	15.52	1000.0	9.000	N	OFF	9.8
9.237833	---	38.17	50.00	11.83	1000.0	9.000	N	OFF	9.8
9.237833	46.86	---	60.00	13.14	1000.0	9.000	N	OFF	9.8
9.424395	---	37.92	50.00	12.08	1000.0	9.000	N	OFF	9.9
9.424395	46.94	---	60.00	13.06	1000.0	9.000	N	OFF	9.9
9.491558	45.47	---	60.00	14.53	1000.0	9.000	N	OFF	9.9
9.491558	---	29.24	50.00	20.76	1000.0	9.000	N	OFF	9.9
9.618420	43.13	---	60.00	16.87	1000.0	9.000	N	OFF	9.9
9.618420	---	27.71	50.00	22.29	1000.0	9.000	N	OFF	9.9
9.679613	---	29.22	50.00	20.78	1000.0	9.000	N	OFF	9.9
9.679613	44.23	---	60.00	15.77	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 LCH of 11B mode which is the worst case, so only the worst case is included in this test report.



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 PCB antenna.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT