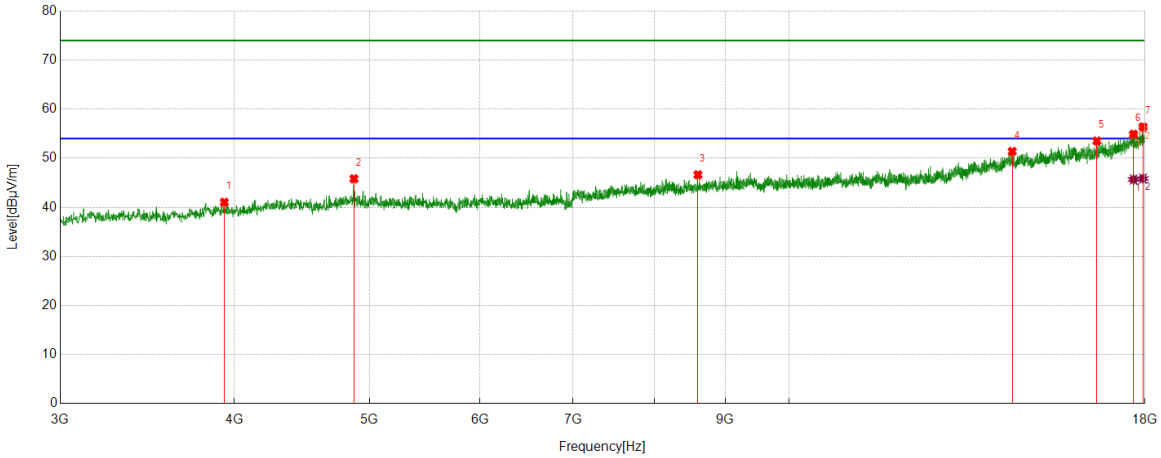
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



PK Result:

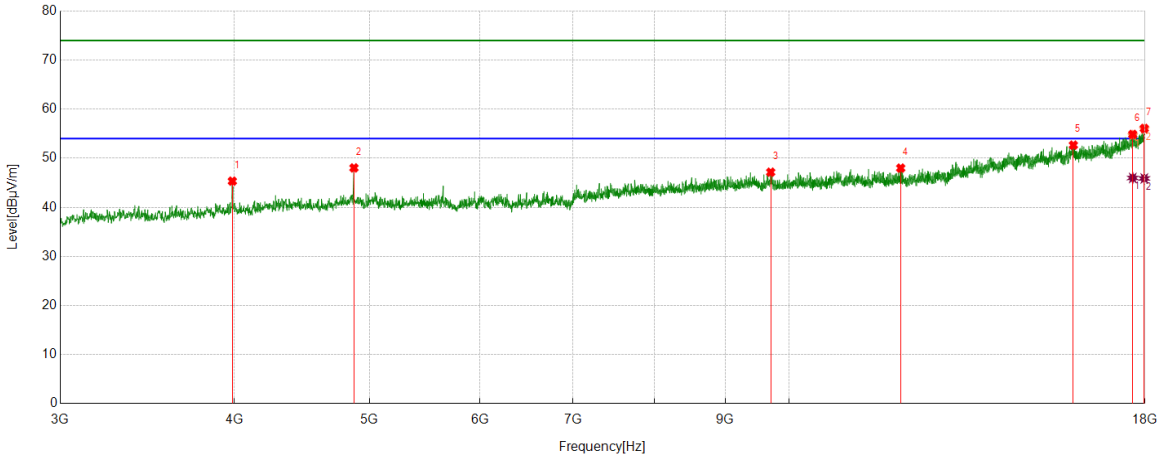
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3933.8667	48.21	-7.17	41.04	74.00	-32.96	Horizontal
2	4873.3592	49.43	-3.62	45.81	74.00	-28.19	Horizontal
3	8601.3252	44.38	2.25	46.63	74.00	-27.37	Horizontal
4	14455.807	39.86	11.53	51.39	74.00	-22.61	Horizontal
5	16625.4532	38.34	15.18	53.52	74.00	-20.48	Horizontal
6	17662.4578	37.19	17.69	54.88	74.00	-19.12	Horizontal
7	17941.8677	37.81	18.58	56.39	74.00	-17.61	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17662.4578	27.98	17.69	45.67	54.00	-8.33	Horizontal
2	17941.8677	27.29	18.58	45.87	54.00	-8.13	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

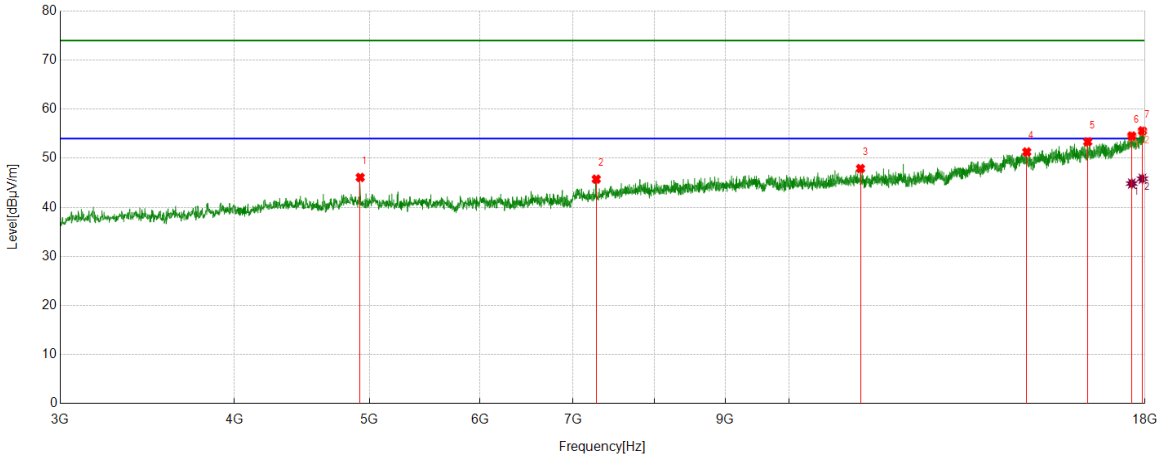
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3986.3733	52.31	-6.98	45.33	74.00	-28.67	Vertical
2	4873.3592	51.65	-3.62	48.03	74.00	-25.97	Vertical
3	9700.2125	43.60	3.56	47.16	74.00	-26.84	Vertical
4	12023.628	41.38	6.61	47.99	74.00	-26.01	Vertical
5	15991.624	39.04	13.63	52.67	74.00	-21.33	Vertical
6	17639.955	37.02	17.84	54.86	74.00	-19.14	Vertical
7	17979.3724	37.41	18.66	56.07	74.00	-17.93	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17639.955	28.14	17.84	45.98	54.00	-8.02	Vertical
2	17979.3724	27.22	18.66	45.88	54.00	-8.12	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

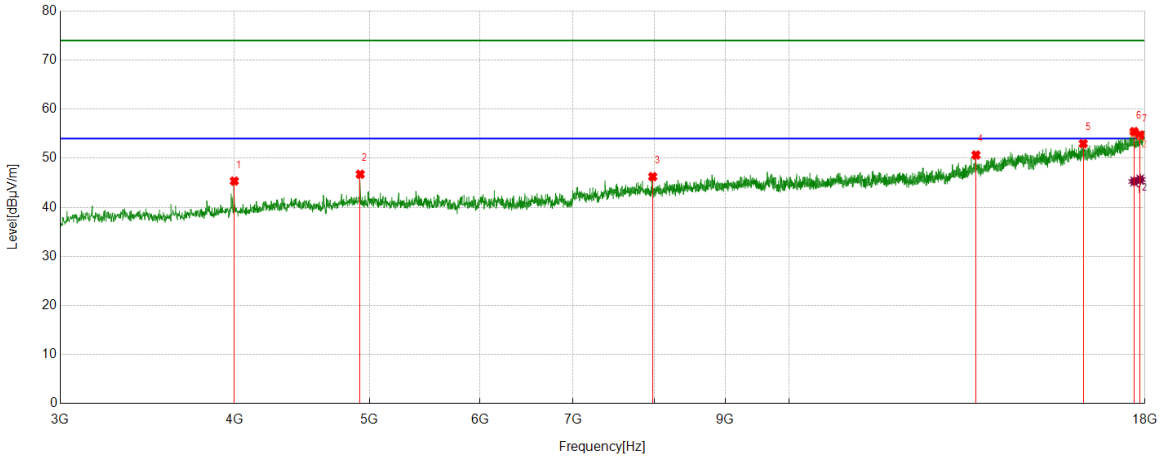
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4923.9905	49.97	-3.88	46.09	74.00	-27.91	Horizontal
2	7271.784	45.89	-0.15	45.74	74.00	-28.26	Horizontal
3	11251.0314	42.70	5.20	47.90	74.00	-26.10	Horizontal
4	14806.4758	39.49	11.79	51.28	74.00	-22.72	Horizontal
5	16376.047	39.17	14.18	53.35	74.00	-20.65	Horizontal
6	17611.8265	36.92	17.61	54.53	74.00	-19.47	Horizontal
7	17924.9906	36.86	18.71	55.57	74.00	-18.43	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17611.8265	27.23	17.61	44.84	54.00	-9.16	Horizontal
2	17924.9906	27.11	18.71	45.82	54.00	-8.18	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

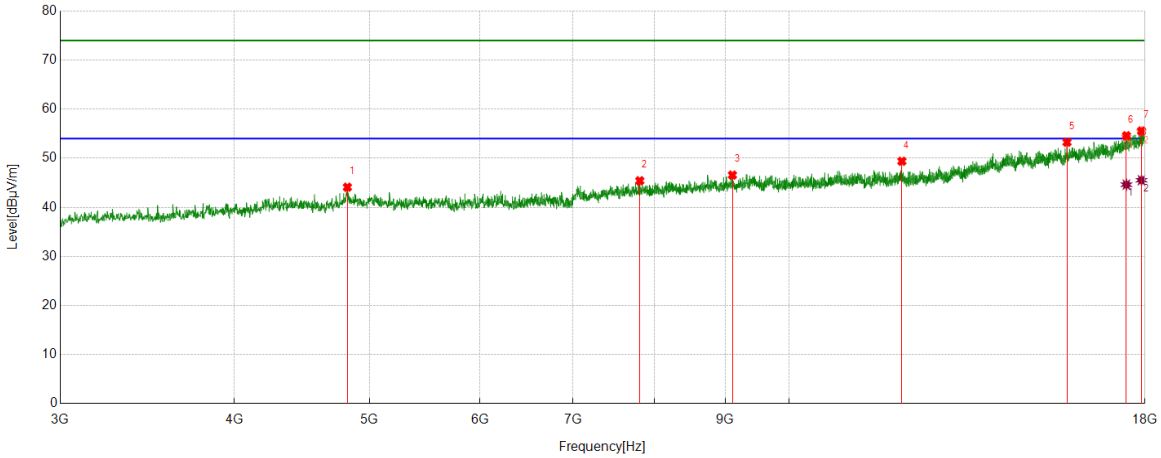
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3999.4999	52.25	-6.90	45.35	74.00	-28.65	Vertical
2	4923.9905	50.62	-3.88	46.74	74.00	-27.26	Vertical
3	7982.4978	44.65	1.60	46.25	74.00	-27.75	Vertical
4	13615.702	41.62	9.03	50.65	74.00	-23.35	Vertical
5	16254.1568	38.70	14.28	52.98	74.00	-21.02	Vertical
6	17679.3349	38.11	17.32	55.43	74.00	-18.57	Vertical
7	17857.4822	35.89	18.85	54.74	74.00	-19.26	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17679.3349	27.95	17.32	45.27	54.00	-8.73	Vertical
2	17857.4822	26.80	18.85	45.65	54.00	-8.35	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

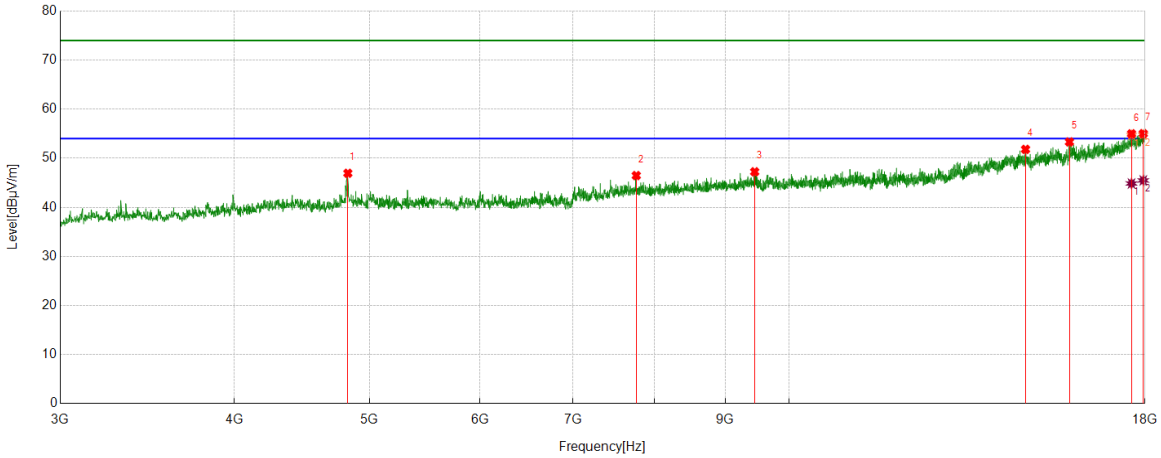
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4820.8526	48.29	-4.19	44.10	74.00	-29.90	Horizontal
2	7813.7267	44.23	1.18	45.41	74.00	-28.59	Horizontal
3	9105.7632	43.63	2.94	46.57	74.00	-27.43	Horizontal
4	12048.006	42.49	6.90	49.39	74.00	-24.61	Horizontal
5	15824.7281	39.31	13.95	53.26	74.00	-20.74	Horizontal
6	17456.182	37.24	17.34	54.58	74.00	-19.42	Horizontal
7	17896.8621	36.26	19.28	55.54	74.00	-18.46	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17456.182	27.28	17.34	44.62	54.00	-9.38	Horizontal
2	17896.8621	26.24	19.28	45.52	54.00	-8.48	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

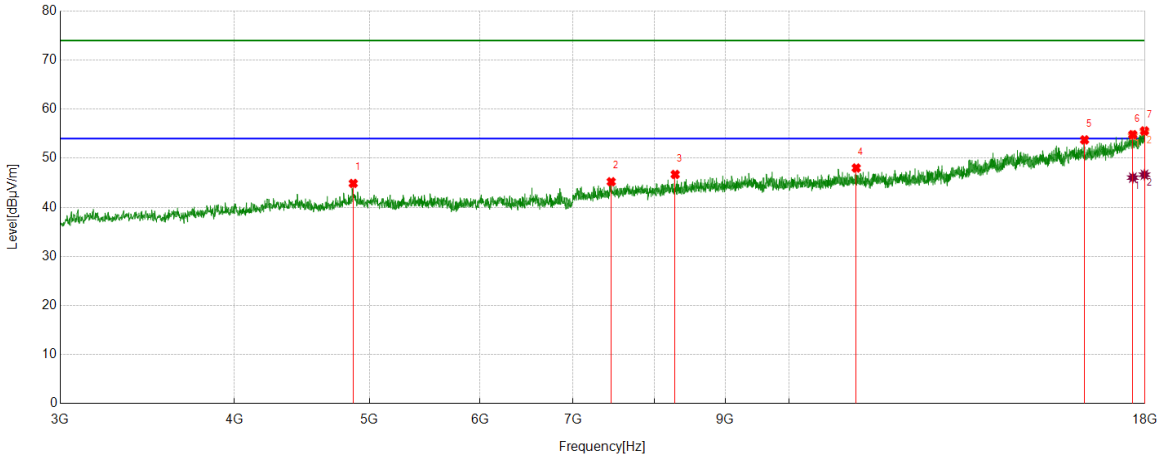
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4824.6031	50.94	-4.00	46.94	74.00	-27.06	Vertical
2	7768.7211	45.17	1.30	46.47	74.00	-27.53	Vertical
3	9447.0559	43.60	3.64	47.24	74.00	-26.76	Vertical
4	14776.4721	39.98	11.83	51.81	74.00	-22.19	Vertical
5	15888.4861	39.51	13.81	53.32	74.00	-20.68	Vertical
6	17604.3255	37.41	17.57	54.98	74.00	-19.02	Vertical
7	17949.3687	36.63	18.38	55.01	74.00	-18.99	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17604.3255	27.29	17.57	44.86	54.00	-9.14	Vertical
2	17949.3687	27.10	18.38	45.48	54.00	-8.52	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

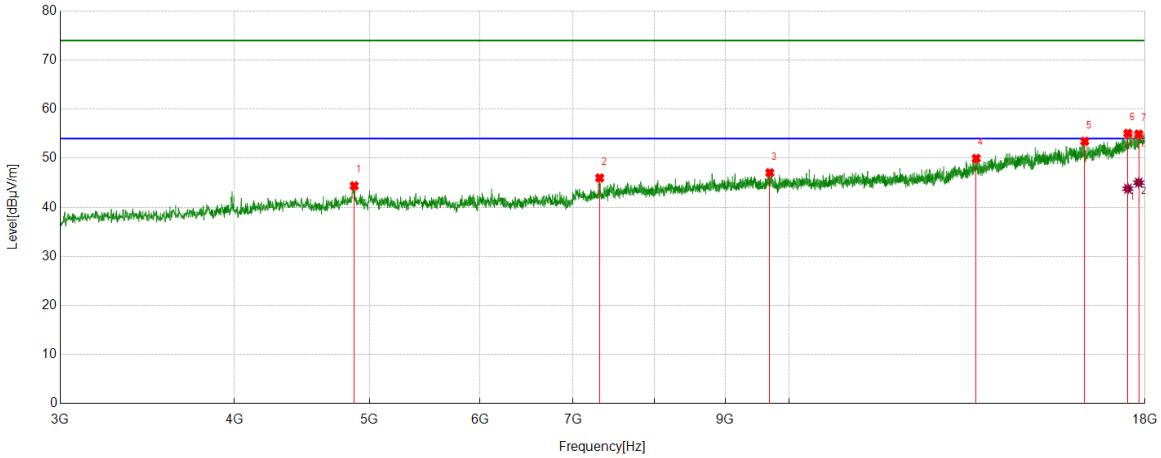
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4867.7335	48.56	-3.69	44.87	74.00	-29.13	Horizontal
2	7453.6817	44.22	0.99	45.21	74.00	-28.79	Horizontal
3	8284.4106	44.96	1.74	46.70	74.00	-27.30	Horizontal
4	11172.2715	42.96	5.05	48.01	74.00	-25.99	Horizontal
5	16289.7862	39.72	14.02	53.74	74.00	-20.26	Horizontal
6	17641.8302	36.98	17.82	54.80	74.00	-19.20	Horizontal
7	17984.9981	36.94	18.62	55.56	74.00	-18.44	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17641.8302	28.23	17.82	46.05	54.00	-7.95	Horizontal
2	17984.9981	28.02	18.62	46.64	54.00	-7.36	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

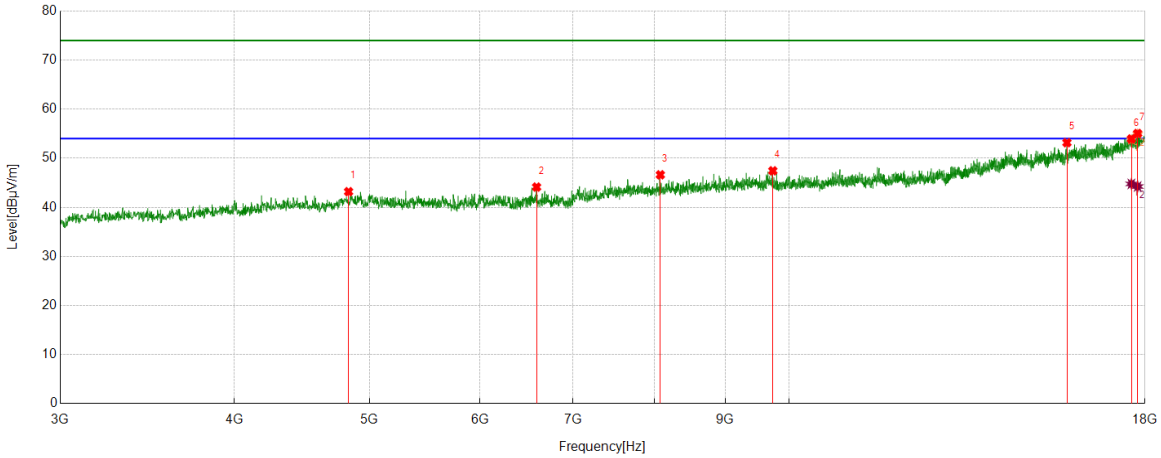
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4875.2344	47.96	-3.58	44.38	74.00	-29.62	Vertical
2	7313.0391	46.01	-0.02	45.99	74.00	-28.01	Vertical
3	9685.2107	43.44	3.60	47.04	74.00	-26.96	Vertical
4	13621.3277	40.98	8.98	49.96	74.00	-24.04	Vertical
5	16295.4119	39.57	13.88	53.45	74.00	-20.55	Vertical
6	17499.3124	37.95	17.12	55.07	74.00	-18.93	Vertical
7	17814.3518	37.16	17.74	54.90	74.00	-19.10	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17499.3124	26.67	17.12	43.79	54.00	-10.21	Vertical
2	17814.3518	27.29	17.74	45.03	54.00	-8.97	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

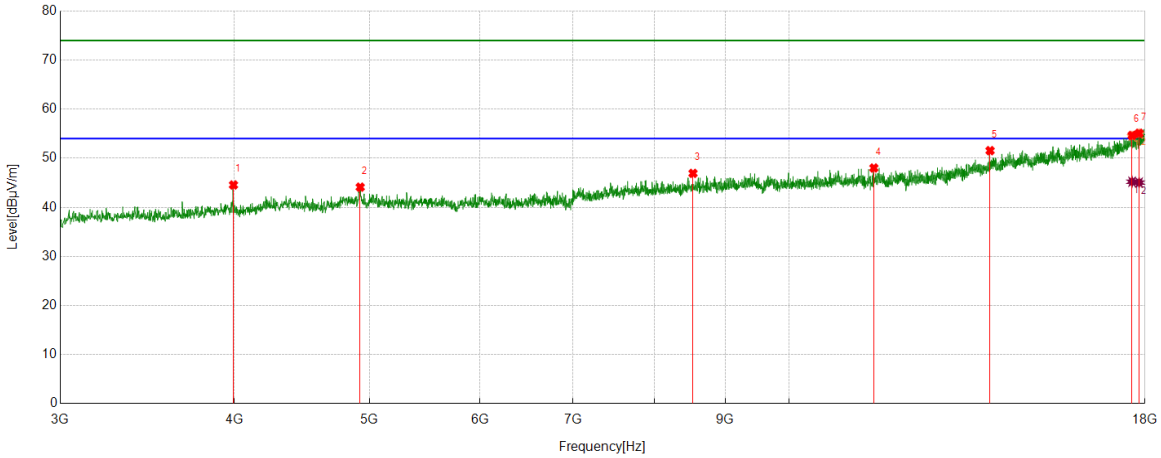
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4830.2288	46.92	-3.73	43.19	74.00	-30.81	Horizontal
2	6589.1986	45.33	-1.20	44.13	74.00	-29.87	Horizontal
3	8083.7605	45.24	1.39	46.63	74.00	-27.37	Horizontal
4	9733.9667	43.95	3.49	47.44	74.00	-26.56	Horizontal
5	15822.8529	39.15	14.02	53.17	74.00	-20.83	Horizontal
6	17600.5751	36.38	17.56	53.94	74.00	-20.06	Horizontal
7	17782.4728	37.13	17.92	55.05	74.00	-18.95	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17600.5751	27.21	17.56	44.77	54.00	-9.23	Horizontal
2	17782.4728	26.32	17.92	44.24	54.00	-9.76	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

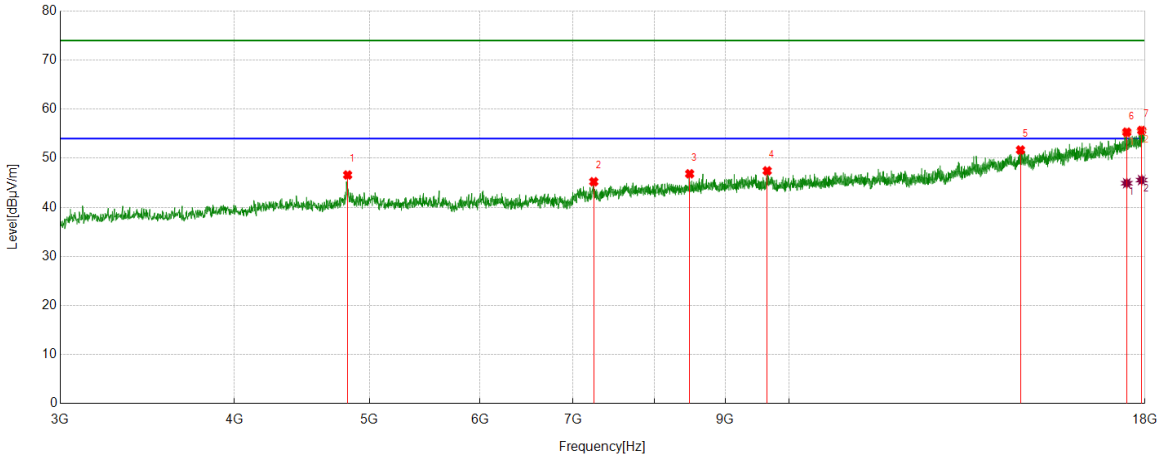
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3993.8742	51.59	-7.03	44.56	74.00	-29.44	Vertical
2	4923.9905	47.99	-3.88	44.11	74.00	-29.89	Vertical
3	8531.9415	44.98	1.94	46.92	74.00	-27.08	Vertical
4	11502.3128	41.84	6.17	48.01	74.00	-25.99	Vertical
5	13936.367	40.83	10.72	51.55	74.00	-22.45	Vertical
6	17619.3274	37.00	17.65	54.65	74.00	-19.35	Vertical
7	17825.6032	36.97	18.12	55.09	74.00	-18.91	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17619.3274	27.56	17.65	45.21	54.00	-8.79	Vertical
2	17825.6032	26.92	18.12	45.04	54.00	-8.96	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

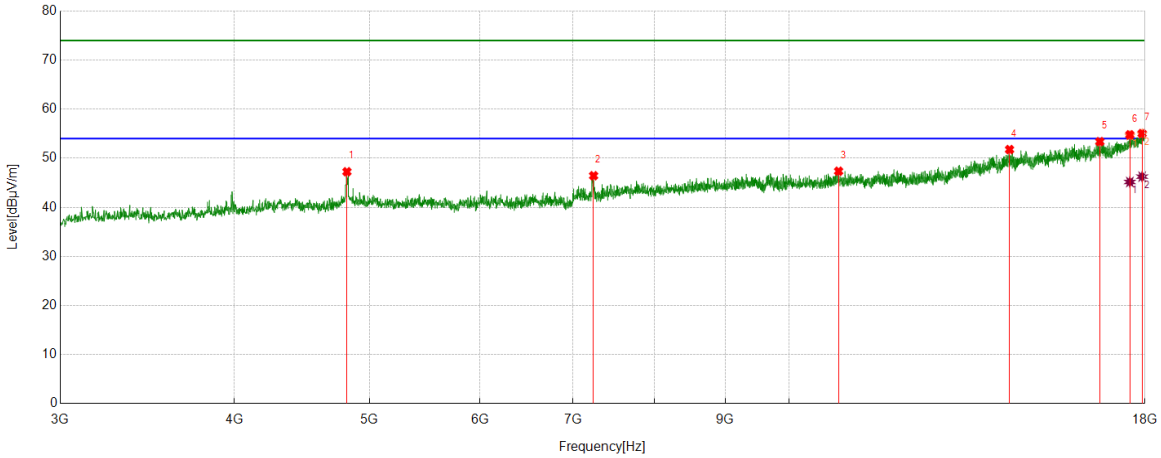
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4822.7278	50.68	-4.09	46.59	74.00	-27.41	Horizontal
2	7241.7802	45.10	0.12	45.22	74.00	-28.78	Horizontal
3	8485.0606	44.83	2.00	46.83	74.00	-27.17	Horizontal
4	9643.9555	43.79	3.65	47.44	74.00	-26.56	Horizontal
5	14654.5818	40.05	11.63	51.68	74.00	-22.32	Horizontal
6	17467.4334	37.89	17.43	55.32	74.00	-18.68	Horizontal
7	17902.4878	36.44	19.23	55.67	74.00	-18.33	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17467.4334	27.48	17.43	44.91	54.00	-9.09	Horizontal
2	17902.4878	26.32	19.23	45.55	54.00	-8.45	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

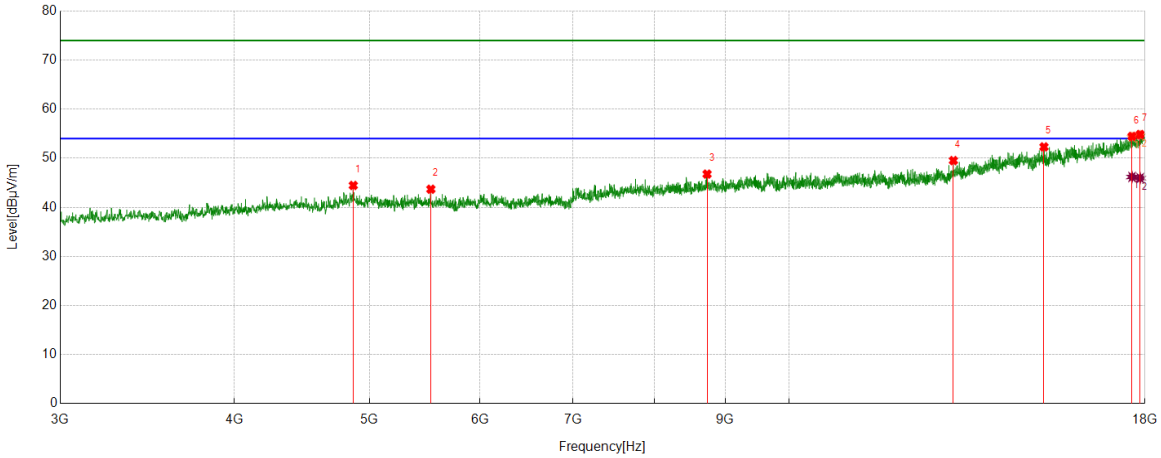
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4817.1021	51.44	-4.19	47.25	74.00	-26.75	Vertical
2	7239.905	46.31	0.13	46.44	74.00	-27.56	Vertical
3	10851.6065	42.93	4.43	47.36	74.00	-26.64	Vertical
4	14392.049	40.11	11.66	51.77	74.00	-22.23	Vertical
5	16706.0883	38.65	14.73	53.38	74.00	-20.62	Vertical
6	17555.5694	37.81	16.97	54.78	74.00	-19.22	Vertical
7	17915.6145	36.18	18.86	55.04	74.00	-18.96	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17555.5694	28.19	16.97	45.16	54.00	-8.84	Vertical
2	17915.6145	27.39	18.86	46.25	54.00	-7.75	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

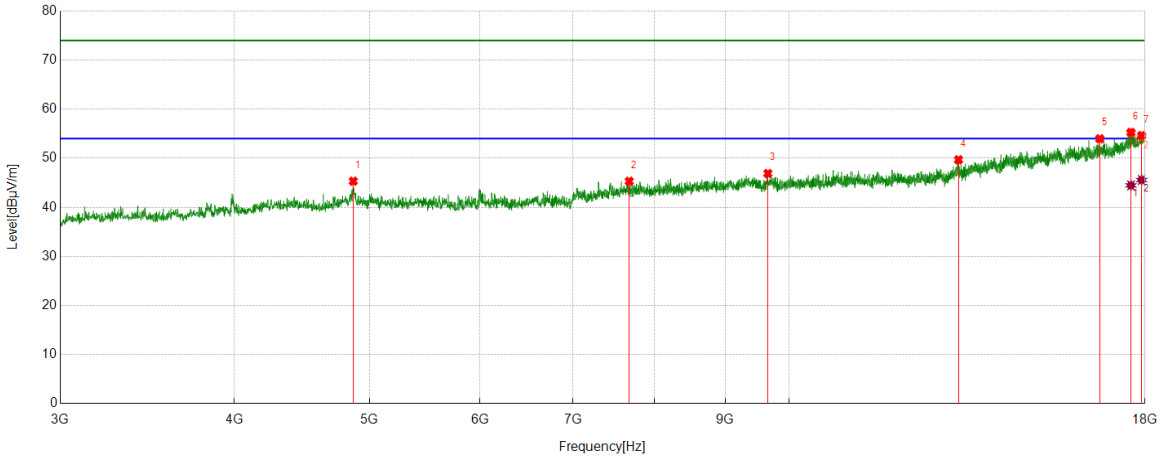
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4867.7335	48.15	-3.69	44.46	74.00	-29.54	Horizontal
2	5533.4417	46.64	-2.95	43.69	74.00	-30.31	Horizontal
3	8732.5916	44.28	2.49	46.77	74.00	-27.23	Horizontal
4	13116.8896	41.40	8.13	49.53	74.00	-24.47	Horizontal
5	15234.0293	39.63	12.68	52.31	74.00	-21.69	Horizontal
6	17619.3274	36.81	17.65	54.46	74.00	-19.54	Horizontal
7	17857.4822	35.99	18.85	54.84	74.00	-19.16	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17619.3274	28.54	17.65	46.19	54.00	-7.81	Horizontal
2	17857.4822	27.10	18.85	45.95	54.00	-8.05	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

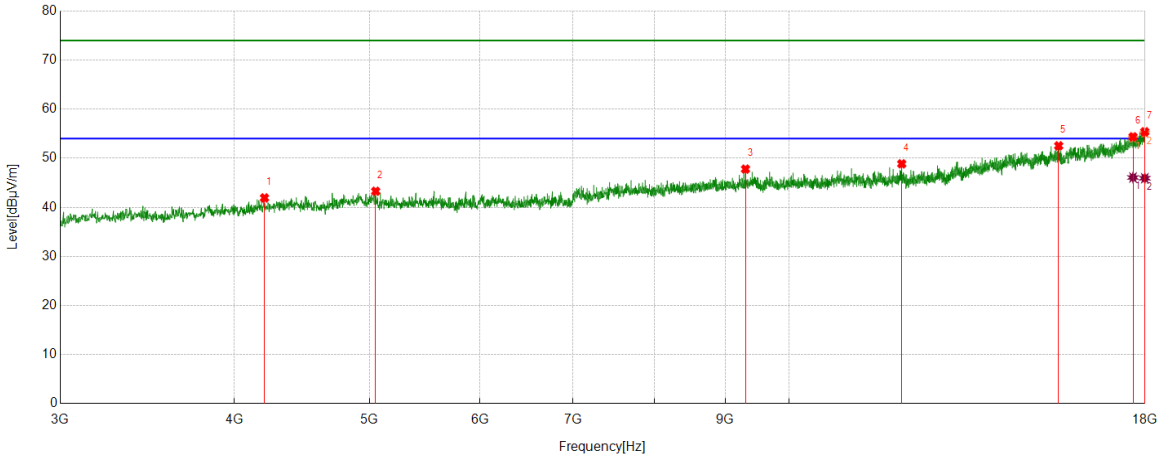
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4867.7335	49.02	-3.69	45.33	74.00	-28.67	Vertical
2	7678.7098	44.04	1.28	45.32	74.00	-28.68	Vertical
3	9655.2069	43.17	3.72	46.89	74.00	-27.11	Vertical
4	13227.5284	41.38	8.31	49.69	74.00	-24.31	Vertical
5	16704.213	39.27	14.70	53.97	74.00	-20.03	Vertical
6	17587.4484	37.68	17.58	55.26	74.00	-18.74	Vertical
7	17900.6126	35.35	19.27	54.62	74.00	-19.38	Vertical

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17587.4484	26.89	17.58	44.47	54.00	-9.53	Vertical
2	17900.6126	26.30	19.27	45.57	54.00	-8.43	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

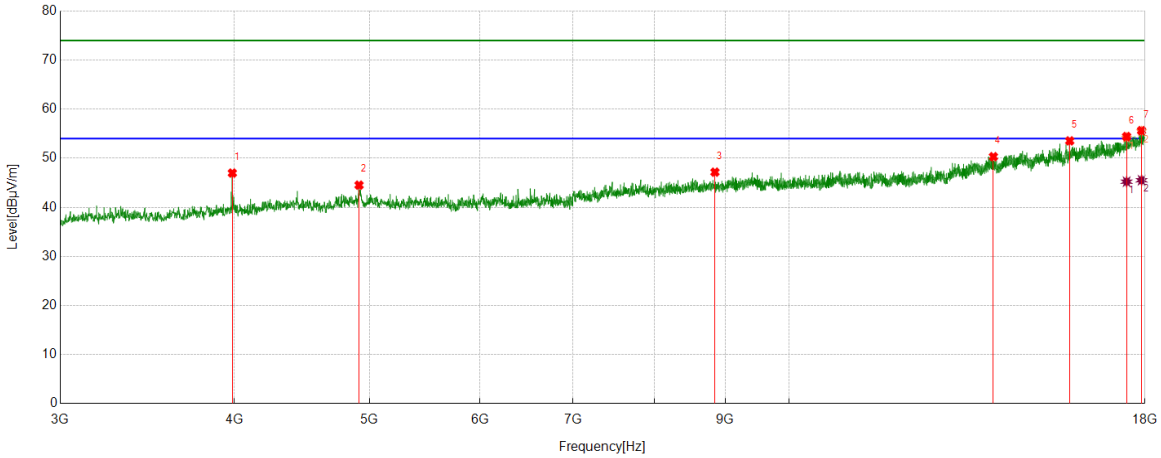
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4203.9005	47.91	-5.99	41.92	74.00	-32.08	Horizontal
2	5051.5064	46.34	-3.07	43.27	74.00	-30.73	Horizontal
3	9304.5381	44.82	2.97	47.79	74.00	-26.21	Horizontal
4	12044.2555	41.91	6.95	48.86	74.00	-25.14	Horizontal
5	15609.0761	39.11	13.42	52.53	74.00	-21.47	Horizontal
6	17647.4559	36.60	17.76	54.36	74.00	-19.64	Horizontal
7	17994.3743	36.73	18.66	55.39	74.00	-18.61	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17647.4559	28.32	17.76	46.08	54.00	-7.92	Horizontal
2	17994.3743	27.27	18.66	45.93	54.00	-8.07	Horizontal

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3986.3733	53.96	-6.98	46.98	74.00	-27.02	Vertical
2	4914.6143	48.37	-3.85	44.52	74.00	-29.48	Vertical
3	8846.9809	44.42	2.75	47.17	74.00	-26.83	Vertical
4	14013.2517	39.80	10.52	50.32	74.00	-23.68	Vertical
5	15895.987	39.94	13.60	53.54	74.00	-20.46	Vertical
6	17461.8077	37.02	17.40	54.42	74.00	-19.58	Vertical
7	17898.7373	36.34	19.29	55.63	74.00	-18.37	Vertical

AV Result:

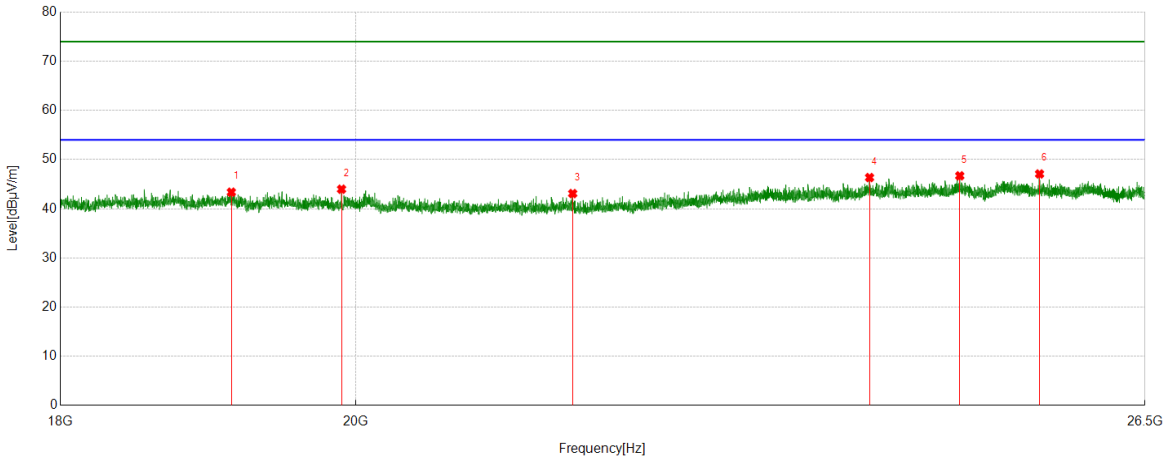
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17461.8077	27.82	17.40	45.22	54.00	-8.78	Vertical
2	17898.7373	26.23	19.29	45.52	54.00	-8.48	Vertical

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 3: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

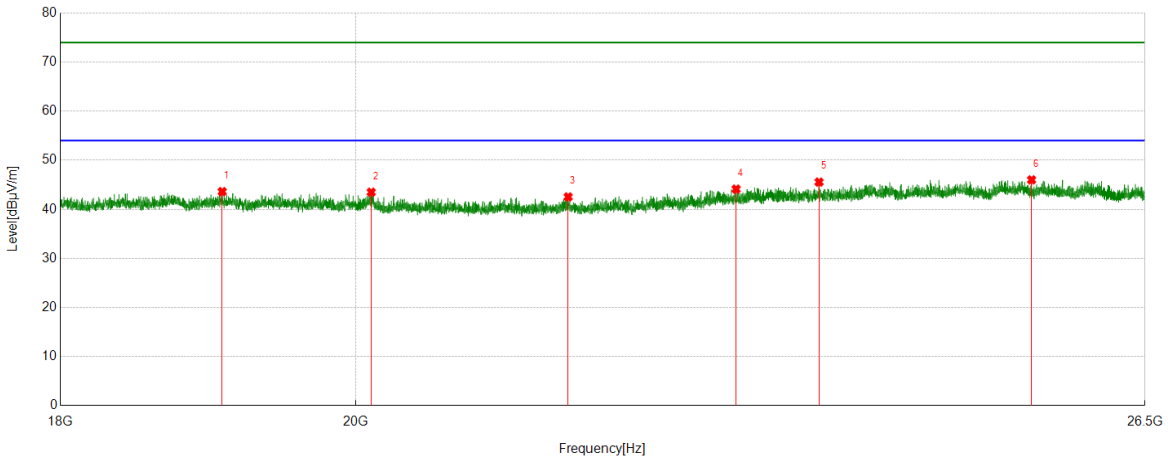


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	19132.3132	49.23	-5.86	43.37	74.00	-30.63	Horizontal
2	19899.0899	49.17	-5.19	43.98	74.00	-30.02	Horizontal
3	21608.6109	48.88	-5.79	43.09	74.00	-30.91	Horizontal
4	24021.1521	48.98	-2.63	46.35	74.00	-27.65	Horizontal
5	24806.6307	50.04	-3.34	46.70	74.00	-27.30	Horizontal
6	25522.4022	50.24	-3.16	47.08	74.00	-26.92	Horizontal

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,
Correct Factor = Antenna Factor + Loss (Cable) – Amplifier Gain.
4. 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



PK Result:

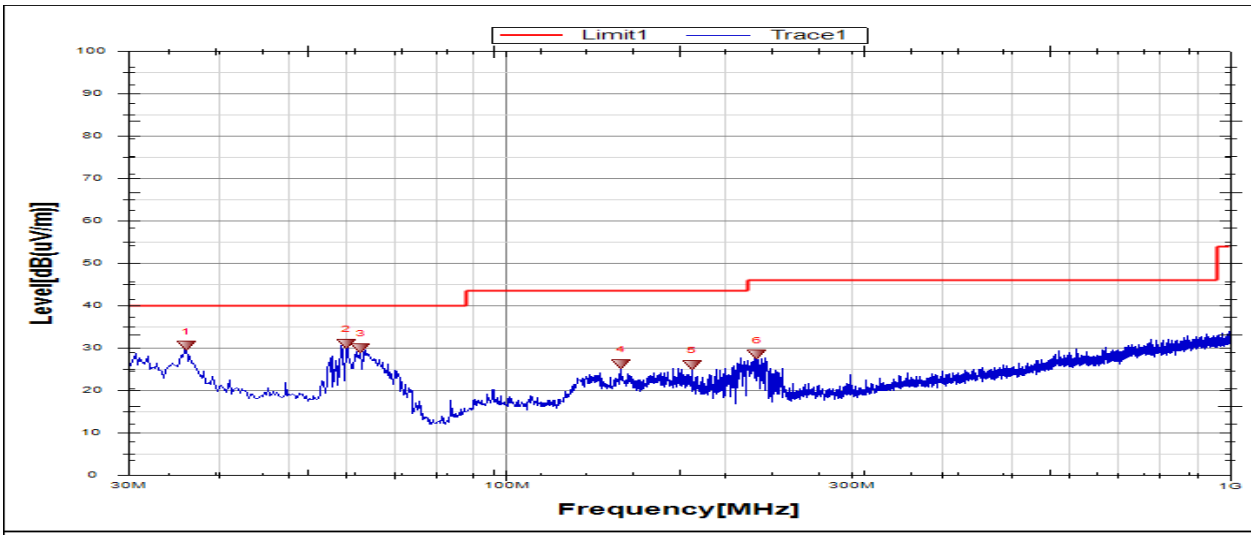
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	19070.257	49.57	-5.96	43.61	74.00	-30.39	Vertical
2	20110.7611	48.67	-5.18	43.49	74.00	-30.51	Vertical
3	21573.7574	48.34	-5.81	42.53	74.00	-31.47	Vertical
4	22904.9905	47.84	-3.72	44.12	74.00	-29.88	Vertical
5	23592.7093	48.65	-3.10	45.55	74.00	-28.45	Vertical
6	25450.145	49.22	-3.22	46.00	74.00	-28.00	Vertical

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,
Correct Factor = Antenna Factor + Loss (Cable) – Amplifier Gain.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 4: 30MHz~1GHz

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

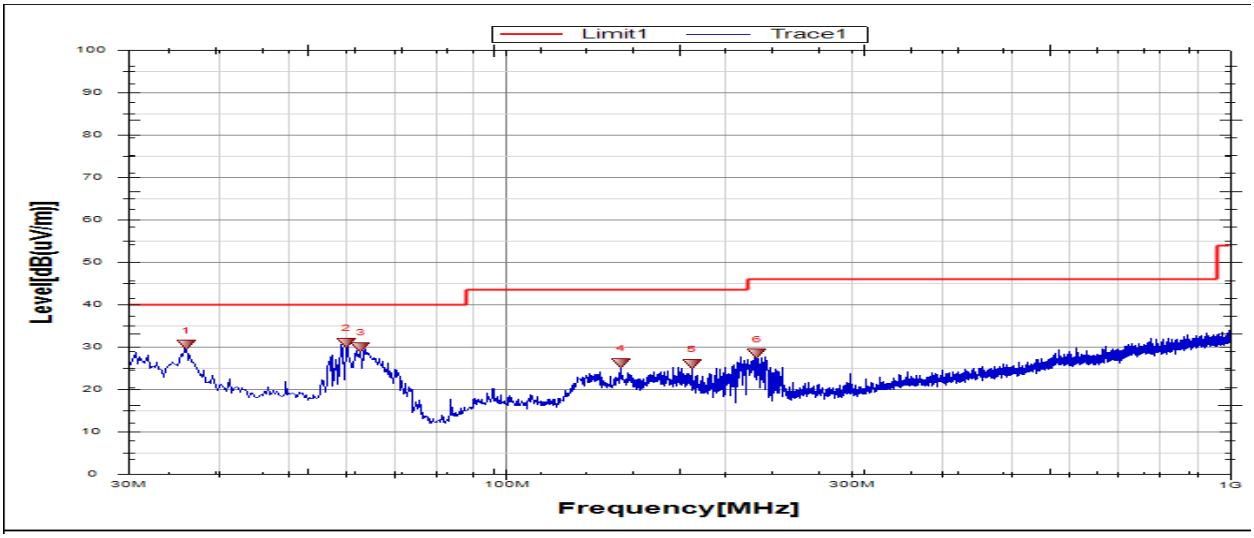
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	30.9702	5.52	17.35	22.87	40.0	-17.13	Horizontal
2	35.8215	4.89	18.75	23.64	40.0	-16.36	Horizontal
3	68.0821	5.10	16.94	22.04	40.0	-17.96	Horizontal
4	70.2651	5.79	16.23	22.02	40.0	-17.98	Horizontal
5	143.7611	7.41	15.33	22.74	43.5	-20.76	Horizontal
6	213.6187	5.45	19.22	24.67	43.5	-18.83	Horizontal

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,
Correct Factor = Antenna Factor + Loss (Cable).

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



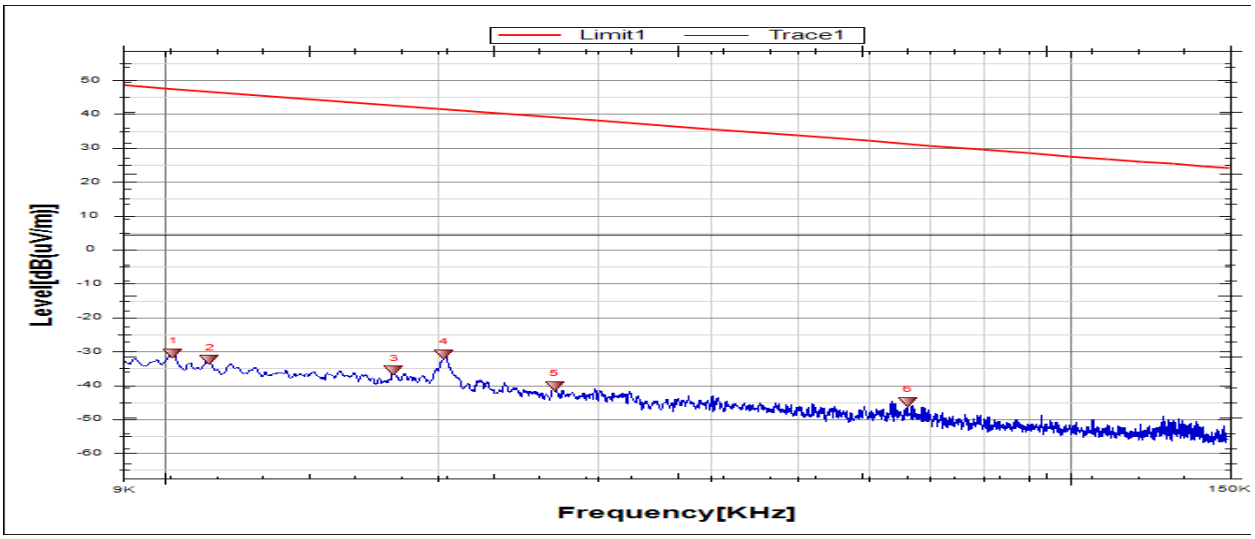
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	36.064	11.73	18.82	30.55	40.0	-9.45	Vertical
2	60.0776	11.46	19.61	31.07	40.0	-8.93	Vertical
3	62.9883	11.35	18.64	29.99	40.0	-10.01	Vertical
4	144.0037	10.98	15.33	26.31	43.5	-17.19	Vertical
5	180.3878	9.25	16.86	26.11	43.5	-17.39	Vertical
6	222.1083	8.98	19.49	28.47	46.0	-17.53	Vertical

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,
Correct Factor = Antenna Factor + Loss (Cable).

Part 5: 9kHz~30MHz

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

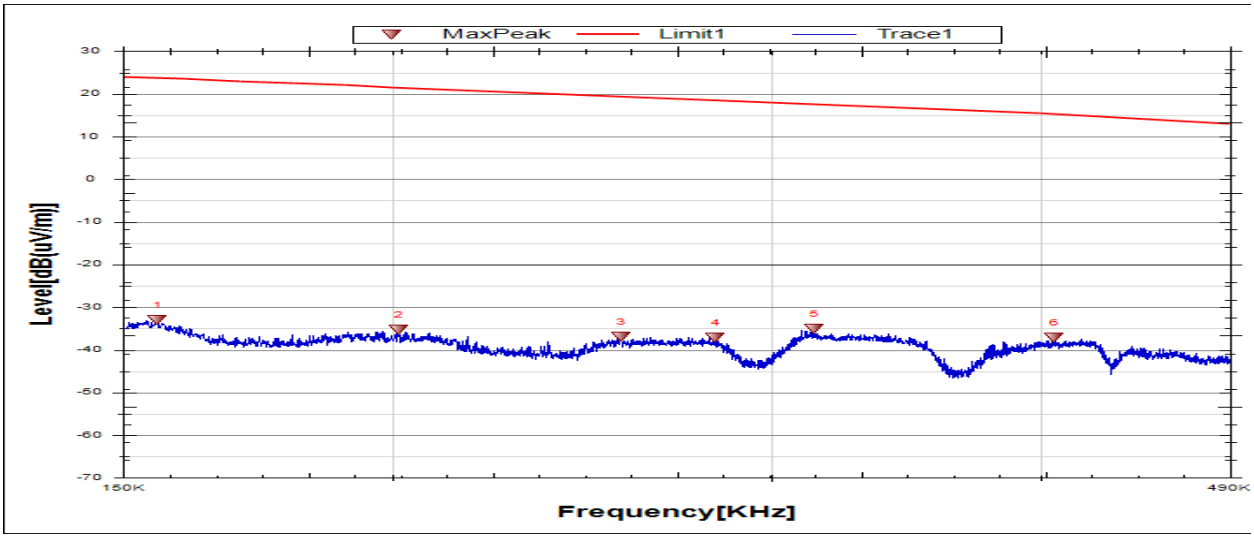
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.0102	31.30	-61.91	-30.61	47.48	-82.11	-4.02	-78.09	Peak
2	0.0112	29.35	-61.90	-32.55	46.88	-84.05	-4.62	-79.43	Peak
3	0.0179	26.17	-61.83	-35.66	42.84	-87.16	-8.66	-78.50	Peak
4	0.0203	31.05	-61.81	-30.76	41.47	-82.26	-10.03	-72.23	Peak
5	0.0269	21.57	-61.74	-40.17	39.15	-91.67	-12.35	-79.32	Peak
6	0.0661	16.74	-61.76	-45.02	31.23	-96.52	-20.27	-76.25	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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.

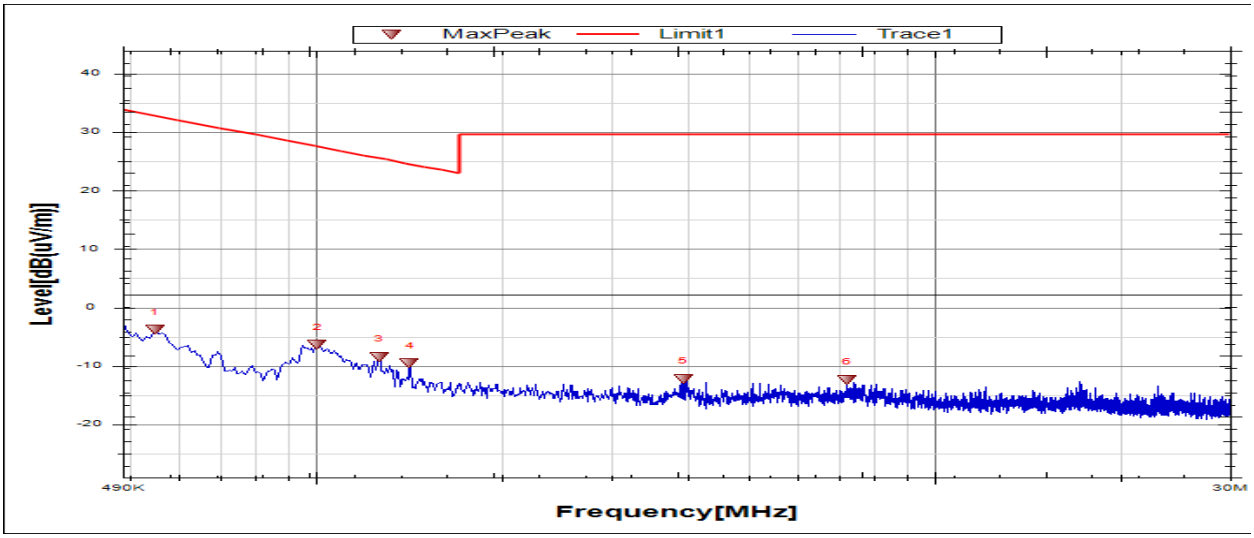
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.1555	28.9	-61.84	-32.94	23.77	-84.44	-27.73	-56.71	Peak
2	0.2013	26.67	-61.86	-35.19	21.53	-86.69	-29.97	-56.72	Peak
3	0.2555	25.04	-61.89	-36.85	19.63	-88.35	-31.87	-56.48	Peak
4	0.2826	24.75	-61.9	-37.15	18.67	-88.65	-32.83	-55.82	Peak
5	0.3141	26.85	-61.91	-35.06	17.71	-86.56	-33.79	-52.77	Peak
6	0.4061	24.74	-61.88	-37.14	15.39	-88.64	-36.11	-52.53	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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.

Test Mode	Channel	Frequency Range	Verdict
11B	MCH	490kHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.549	18.07	-21.87	-3.8	32.86	-55.30	-18.64	-36.66	Peak
2	1.0065	15.51	-21.85	-6.34	27.55	-57.84	-23.95	-33.89	Peak
3	1.2648	13.42	-21.84	-8.42	25.57	-59.92	-25.93	-33.99	Peak
4	1.4198	12.32	-21.83	-9.51	24.56	-61.01	-26.94	-34.07	Peak
5	3.9212	9.55	-21.74	-12.19	29.54	-63.69	-21.96	-41.73	Peak
6	7.2123	9.41	-21.72	-12.31	29.54	-63.81	-21.96	-41.85	Peak

Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. 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.

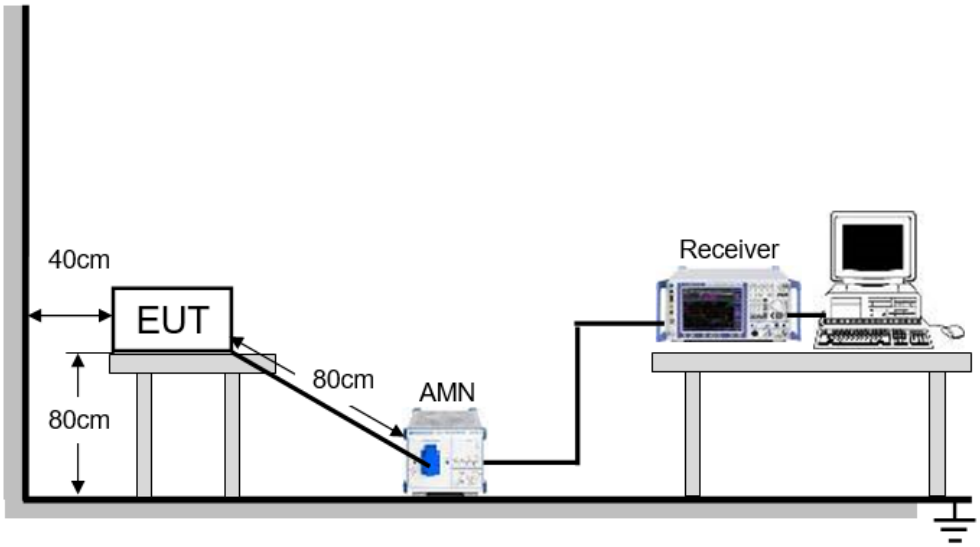
9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

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



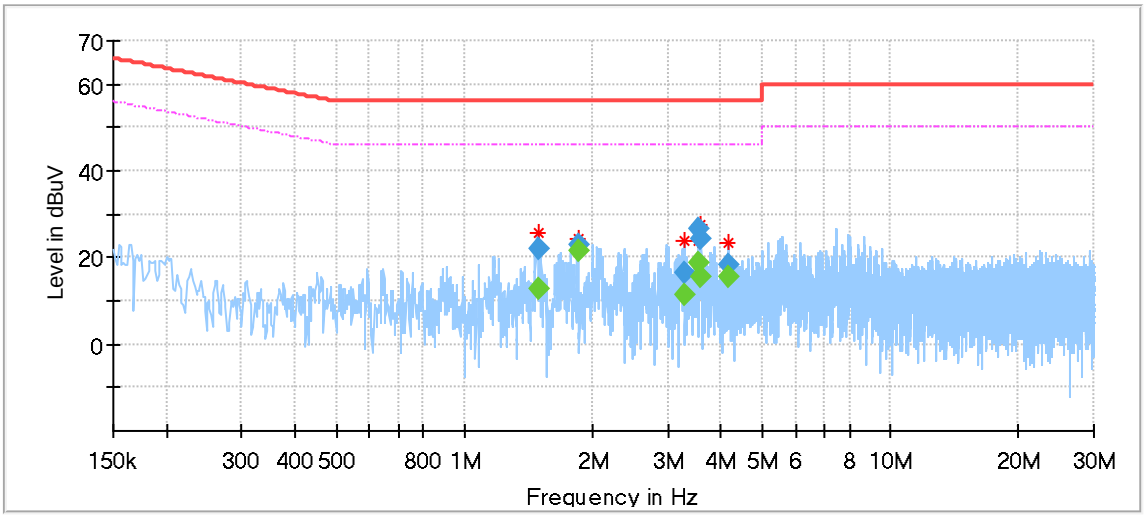
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver 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

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

LINE L RESULTS (WORST-CASE CONFIGURATION)

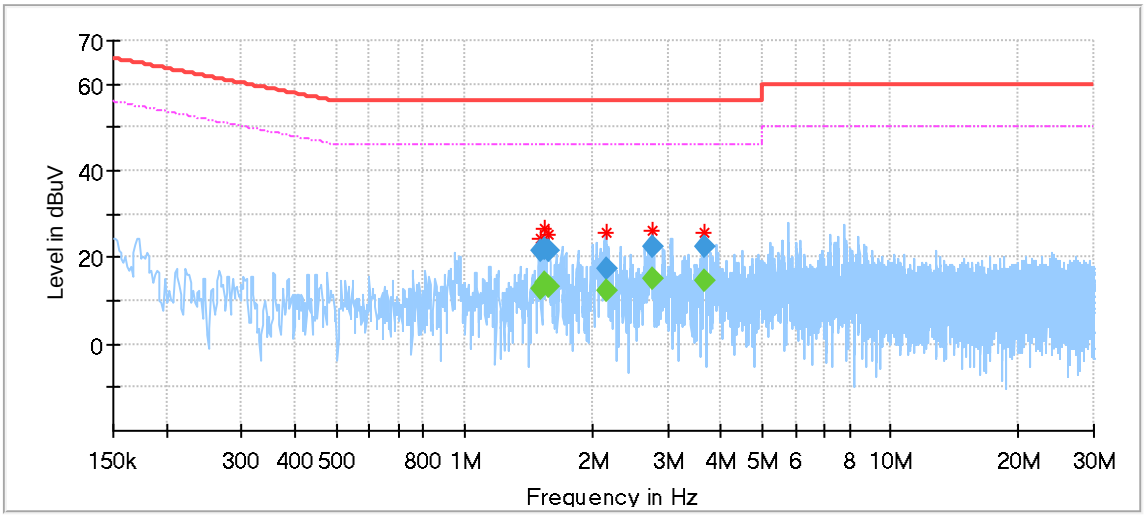


Final_Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
1.490265	---	12.80	46.00	33.20	1000.0	9.000	L1	OFF	9.6
1.490265	22.10	---	56.00	33.90	1000.0	9.000	L1	OFF	9.6
1.845480	---	21.36	46.00	24.64	1000.0	9.000	L1	OFF	9.6
1.845480	22.91	---	56.00	33.09	1000.0	9.000	L1	OFF	9.6
3.270818	---	11.42	46.00	34.58	1000.0	9.000	L1	OFF	9.6
3.270818	16.58	---	56.00	39.42	1000.0	9.000	L1	OFF	9.6
3.557378	---	18.94	46.00	27.06	1000.0	9.000	L1	OFF	9.6
3.557378	26.57	---	56.00	29.43	1000.0	9.000	L1	OFF	9.6
3.593198	---	15.44	46.00	30.56	1000.0	9.000	L1	OFF	9.6
3.593198	24.32	---	56.00	31.68	1000.0	9.000	L1	OFF	9.6
4.154378	---	15.40	46.00	30.60	1000.0	9.000	L1	OFF	9.6
4.154378	18.46	---	56.00	37.54	1000.0	9.000	L1	OFF	9.6

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 MCH of 11B which is the worst case, so only the worst case is included in this test report.

LINE N 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]
1.503698	---	12.90	46.00	33.10	1000.0	9.000	N	OFF	9.6
1.503698	21.36	---	56.00	34.64	1000.0	9.000	N	OFF	9.6
1.543995	---	14.24	46.00	31.76	1000.0	9.000	N	OFF	9.6
1.543995	22.16	---	56.00	33.84	1000.0	9.000	N	OFF	9.6
1.569368	---	13.04	46.00	32.96	1000.0	9.000	N	OFF	9.6
1.569368	21.43	---	56.00	34.57	1000.0	9.000	N	OFF	9.6
2.145473	---	12.13	46.00	33.87	1000.0	9.000	N	OFF	9.6
2.145473	17.54	---	56.00	38.46	1000.0	9.000	N	OFF	9.6
2.761875	---	14.92	46.00	31.08	1000.0	9.000	N	OFF	9.6
2.761875	22.66	---	56.00	33.34	1000.0	9.000	N	OFF	9.6
3.667823	---	14.78	46.00	31.22	1000.0	9.000	N	OFF	9.6
3.667823	22.64	---	56.00	33.36	1000.0	9.000	N	OFF	9.6

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 MCH of 11B which is the worst case, so only the worst case is included in this test report.

10. 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 GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT