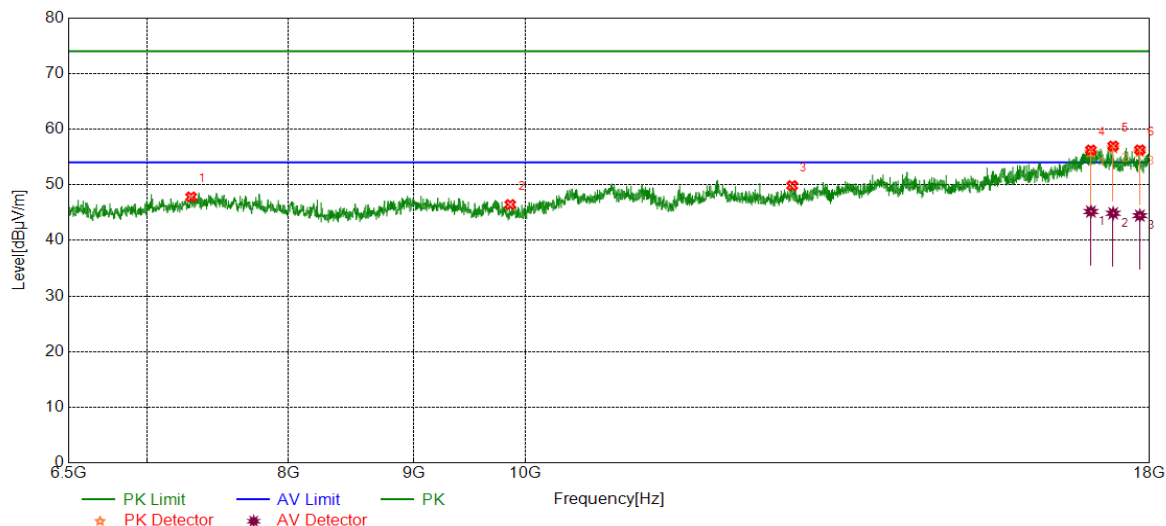




Test Mode	Channel	Polarization	Verdict
11AC 20	5785	Horizontal	PASS

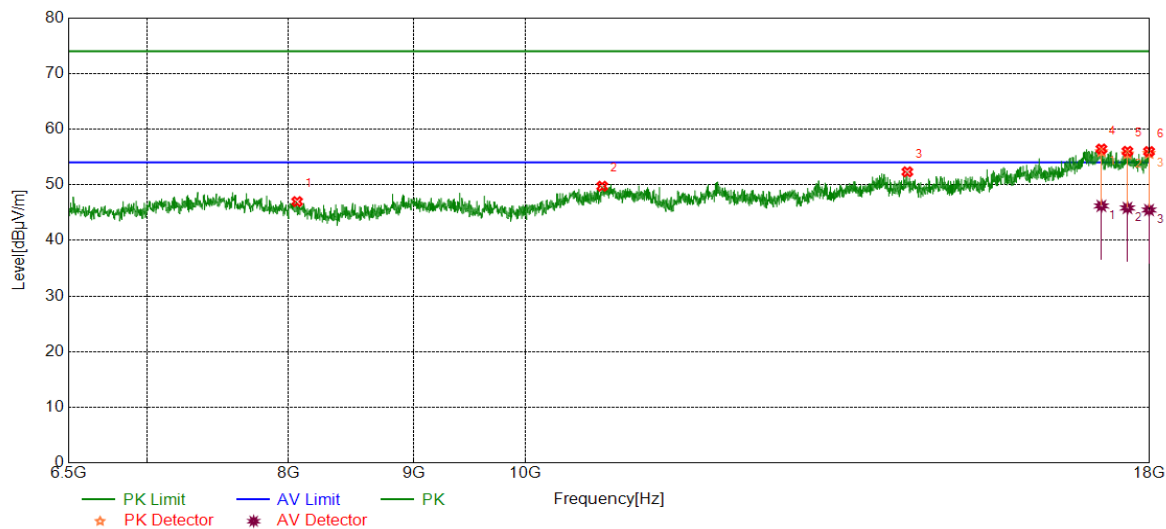


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7297.4662	38.30	9.51	47.81	74.00	-26.19	peak
2	9856.6428	37.13	9.31	46.44	74.00	-27.56	peak
3	12854.8091	37.49	12.36	49.85	74.00	-24.15	peak
4	17031.9220	36.78	19.46	56.24	74.00	-17.76	peak
		25.72	19.46	45.18	54.00	-8.82	average
5	17392.3154	37.87	19.08	56.95	74.00	-17.05	peak
		25.79	19.08	44.87	54.00	-9.13	average
6	17835.1392	37.12	19.14	56.26	74.00	-17.74	peak
		25.31	19.14	44.45	54.00	-9.55	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 20	5785	Vertical	PASS

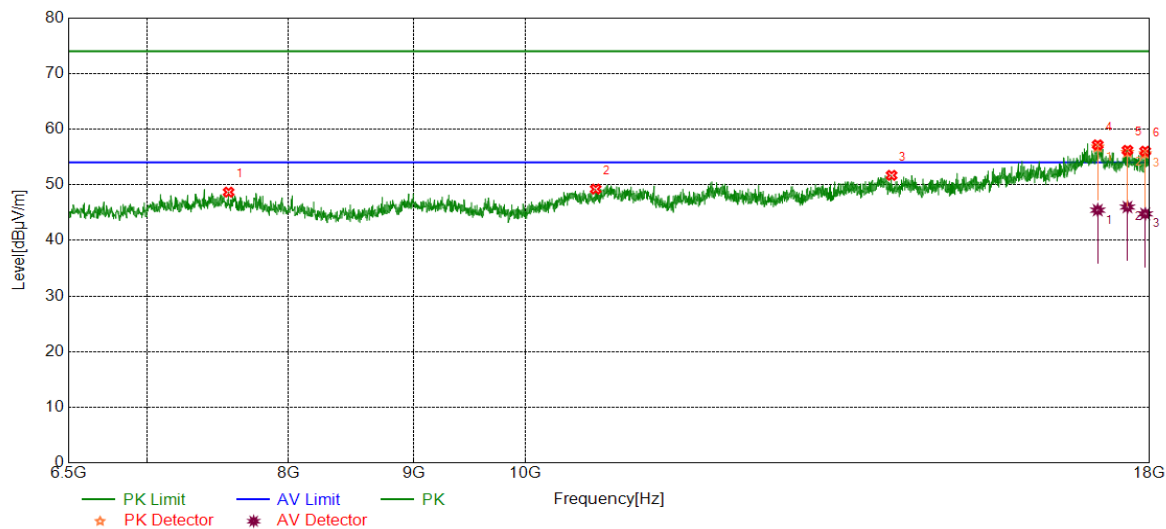


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	8064.2607	38.42	8.55	46.97	74.00	-27.03	peak
2	10748.0413	37.18	12.55	49.73	74.00	-24.27	peak
3	14327.0545	37.59	14.73	52.32	74.00	-21.68	peak
4	17200.6168	36.62	19.80	56.42	74.00	-17.58	peak
		26.40	19.80	46.20	54.00	-7.80	average
5	17628.1047	37.12	18.89	56.01	74.00	-17.99	peak
		26.94	18.89	45.83	54.00	-8.17	average
6	17990.4151	36.89	19.08	55.97	74.00	-18.03	peak
		26.38	19.08	45.46	54.00	-8.54	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 20	5825	Horizontal	PASS

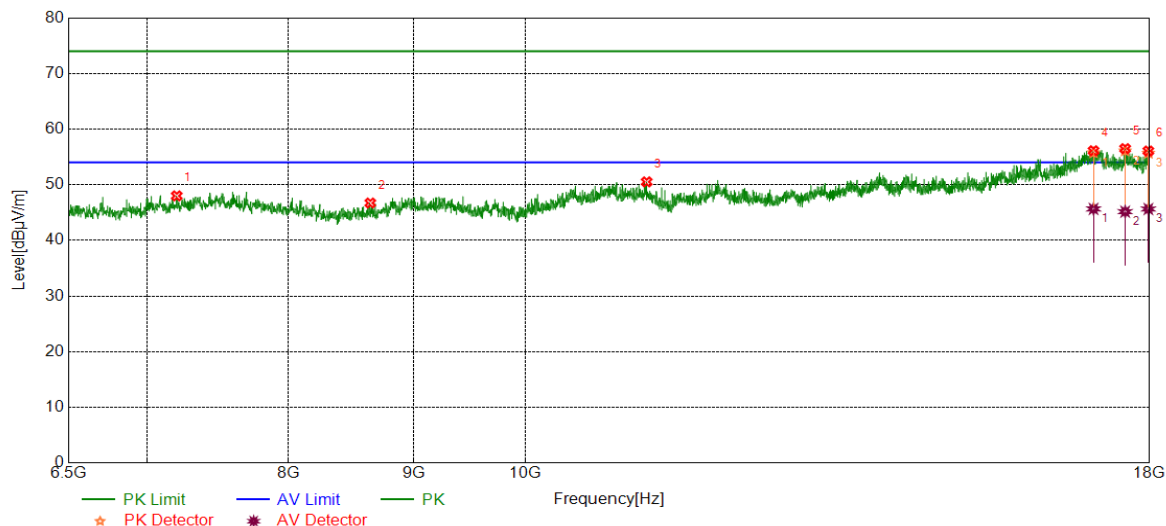


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7560.0933	39.14	9.53	48.67	74.00	-25.33	peak
2	10682.8638	36.53	12.69	49.22	74.00	-24.78	peak
3	14116.1860	37.07	14.62	51.69	74.00	-22.31	peak
4	17141.1902	37.91	19.26	57.17	74.00	-16.83	peak
		26.17	19.26	45.43	54.00	-8.57	average
5	17628.1047	37.30	18.89	56.19	74.00	-17.81	peak
		27.10	18.89	45.99	54.00	-8.01	average
6	17925.2375	37.40	18.63	56.03	74.00	-17.97	peak
		26.14	18.63	44.77	54.00	-9.23	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 20	5825	Vertical	PASS

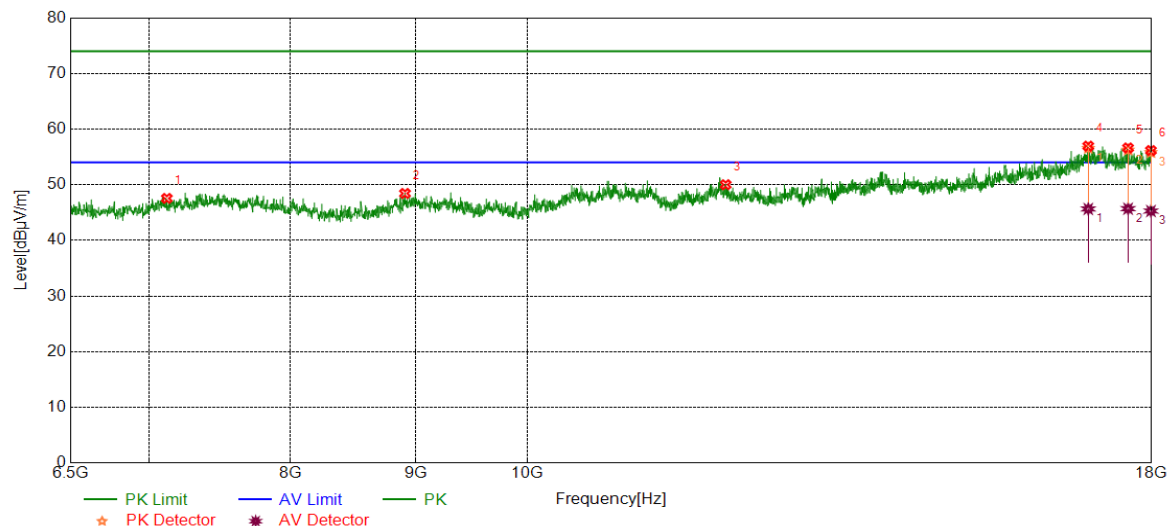


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7199.7000	38.31	9.69	48.00	74.00	-26.00	peak
2	8639.3566	38.90	7.82	46.72	74.00	-27.28	peak
3	11208.1180	38.33	12.19	50.52	74.00	-23.48	peak
4	17074.0957	36.14	19.97	56.11	74.00	-17.89	peak
		25.69	19.97	45.66	54.00	-8.34	average
5	17589.7650	37.80	18.69	56.49	74.00	-17.51	peak
		26.47	18.69	45.16	54.00	-8.84	average
6	17978.9132	37.11	18.96	56.07	74.00	-17.93	peak
		26.68	18.96	45.64	54.00	-8.36	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5190	Horizontal	PASS

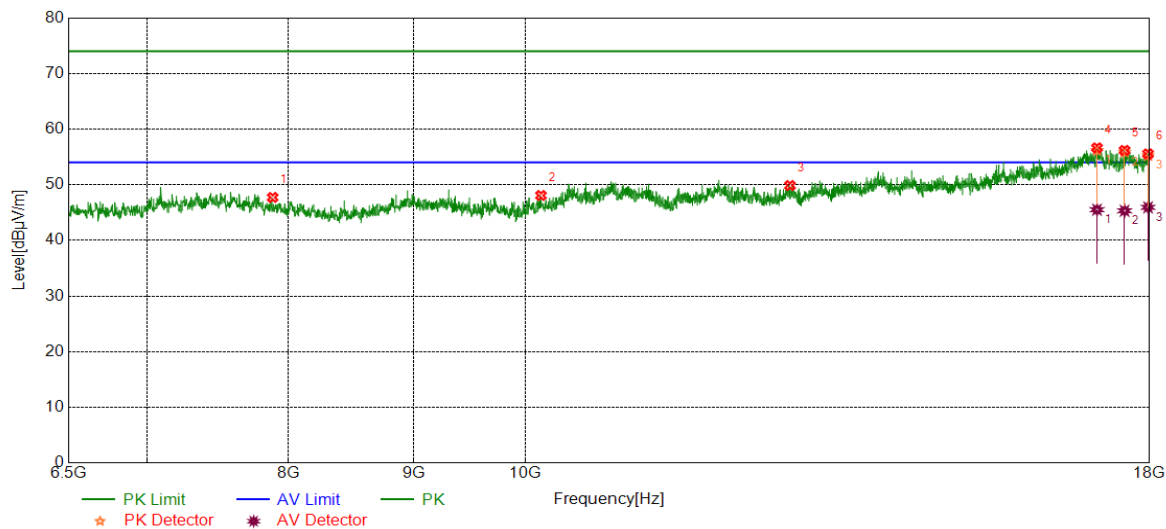


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7119.1865	38.07	9.48	47.55	74.00	-26.45	peak
2	8909.6516	39.13	9.31	48.44	74.00	-25.56	peak
3	12051.5919	36.91	13.10	50.01	74.00	-23.99	peak
4	16957.1595	37.38	19.56	56.94	74.00	-17.06	peak
		26.09	19.56	45.65	54.00	-8.35	average
5	17605.1009	38.02	18.59	56.61	74.00	-17.39	peak
		27.11	18.59	45.70	54.00	-8.30	average
6	17988.4981	37.07	19.08	56.15	74.00	-17.85	peak
		26.20	19.08	45.28	54.00	-8.72	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5190	Vertical	PASS

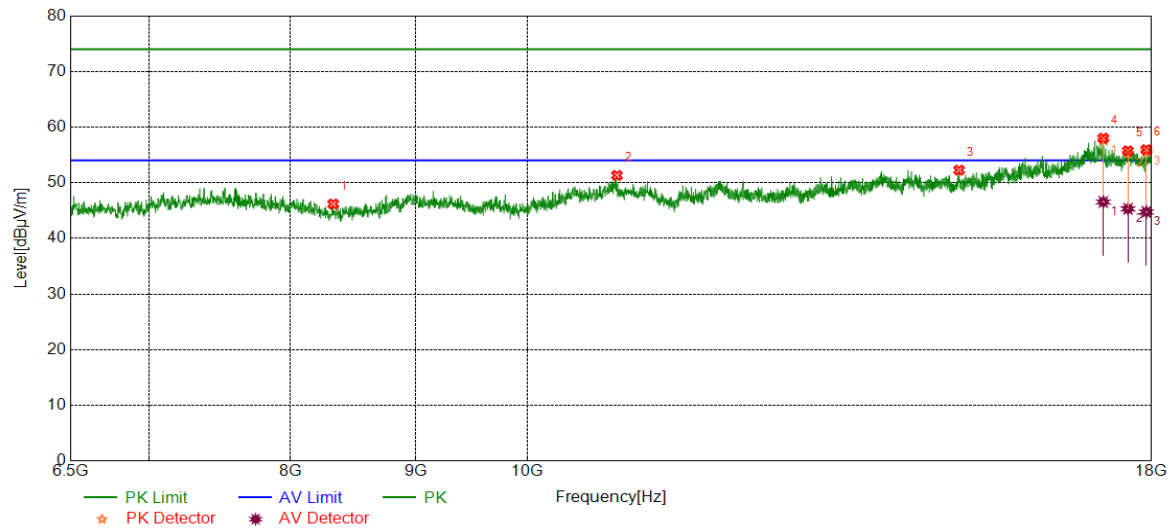


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7880.2300	39.15	8.57	47.72	74.00	-26.28	peak
2	10146.1077	37.97	10.10	48.07	74.00	-25.93	peak
3	12827.9713	37.82	12.04	49.86	74.00	-24.14	peak
4	17129.6883	37.63	19.00	56.63	74.00	-17.37	peak
		26.51	19.00	45.51	54.00	-8.49	average
5	17580.1800	37.58	18.59	56.17	74.00	-17.83	peak
		26.73	18.59	45.32	54.00	-8.68	average
6	17973.1622	36.70	18.85	55.55	74.00	-18.45	peak
		27.09	18.85	45.94	54.00	-8.06	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5230	Horizontal	PASS

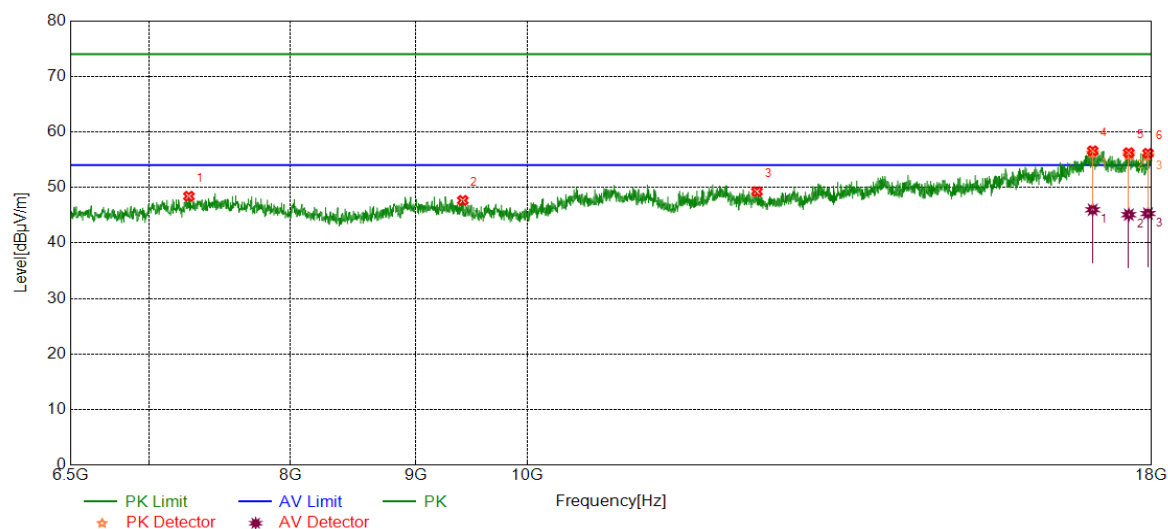


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	8326.8878	38.67	7.51	46.18	74.00	-27.82	peak
2	10878.3964	38.66	12.66	51.32	74.00	-22.68	peak
3	15015.2525	37.71	14.56	52.27	74.00	-21.73	peak
4	17198.6998	38.23	19.77	58.00	74.00	-16.00	peak
		26.78	19.77	46.55	54.00	-7.45	average
5	17603.1839	37.18	18.56	55.74	74.00	-18.26	peak
		26.75	18.56	45.31	54.00	-8.69	average
6	17909.9017	37.54	18.40	55.94	74.00	-18.06	peak
		26.35	18.40	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5230	Vertical	PASS

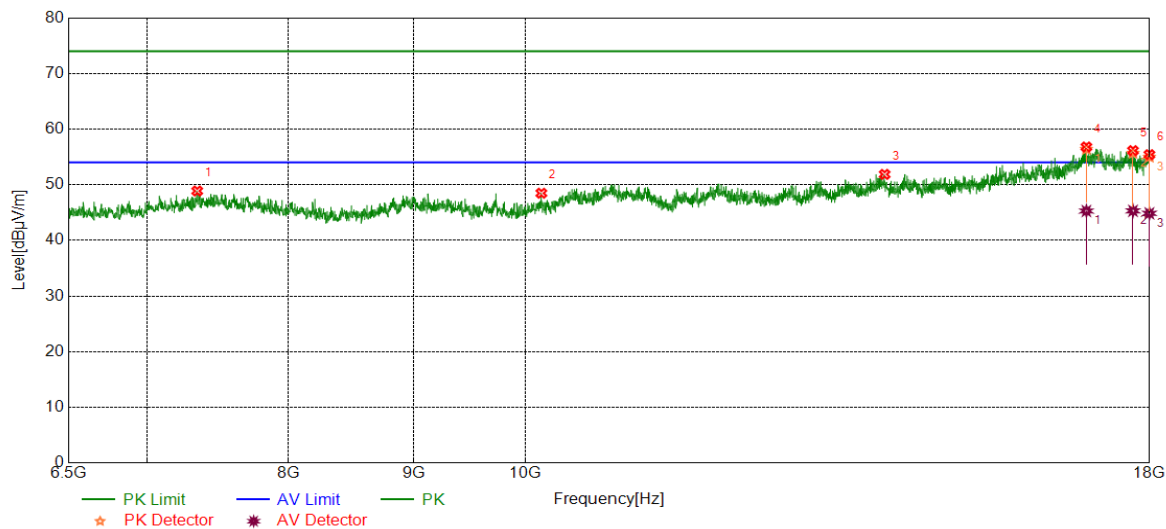


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7268.7115	38.80	9.60	48.40	74.00	-25.60	peak
2	9408.0680	38.68	8.98	47.66	74.00	-26.34	peak
3	12411.9853	37.13	12.12	49.25	74.00	-24.75	peak
4	17028.0880	37.14	19.46	56.60	74.00	-17.40	peak
		26.52	19.46	45.98	54.00	-8.02	average
5	17616.6028	37.80	18.44	56.24	74.00	-17.76	peak
		26.65	18.44	45.09	54.00	-8.91	average
6	17938.6564	37.75	18.40	56.15	74.00	-17.85	peak
		26.90	18.40	45.30	54.00	-8.70	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5270	Horizontal	PASS

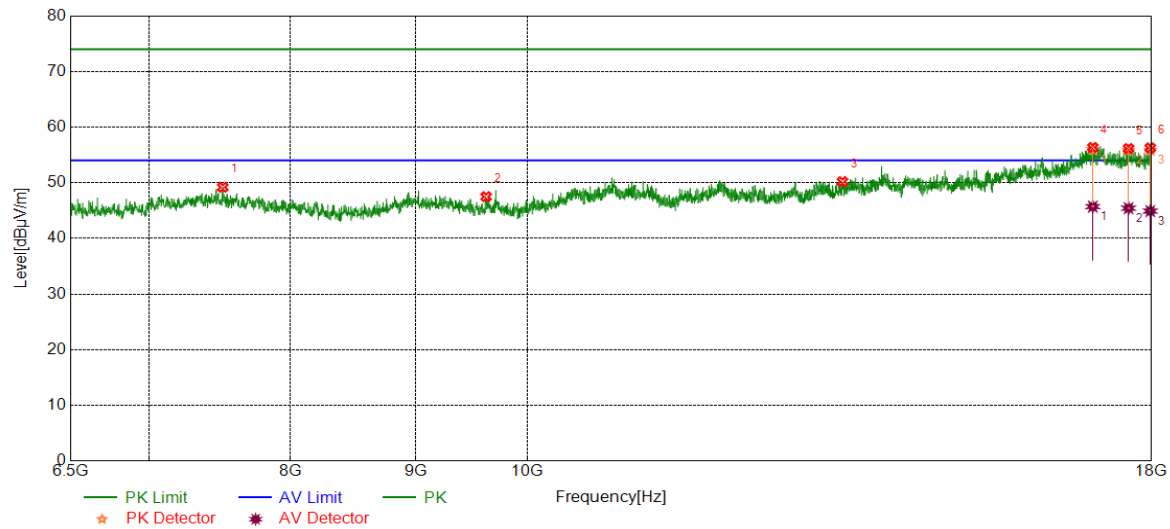


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7339.6399	39.32	9.56	48.88	74.00	-25.12	peak
2	10149.9417	38.24	10.24	48.48	74.00	-25.52	peak
3	14024.1707	36.86	15.01	51.87	74.00	-22.13	peak
4	16959.0765	37.20	19.59	56.79	74.00	-17.21	peak
		25.69	19.59	45.28	54.00	-8.72	average
5	17720.1200	37.02	19.11	56.13	74.00	-17.87	peak
		26.20	19.11	45.31	54.00	-8.69	average
6	17996.1660	36.63	18.78	55.41	74.00	-18.59	peak
		26.08	18.78	44.86	54.00	-9.14	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5270	Vertical	PASS

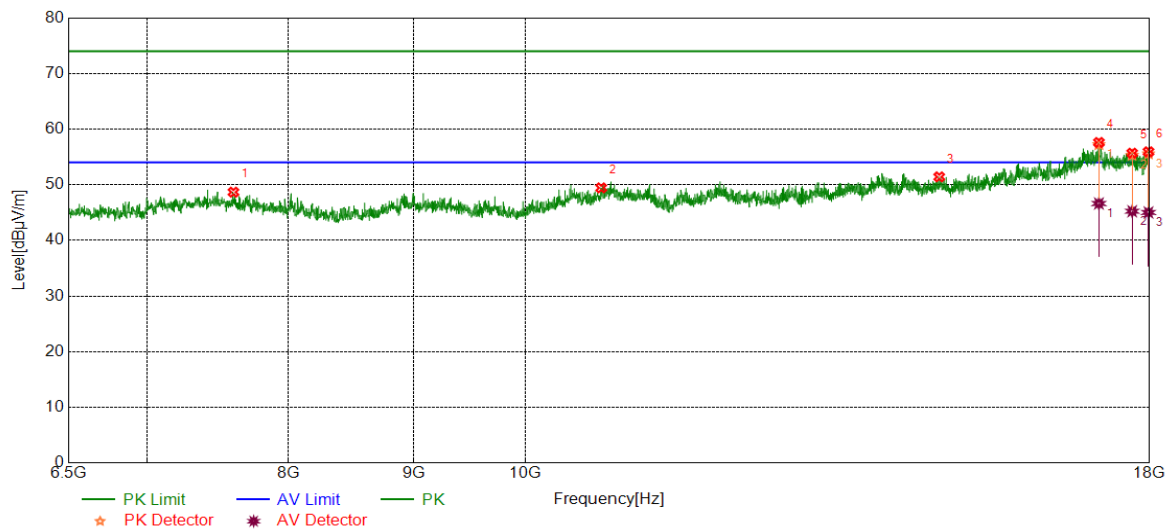


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7504.5008	39.75	9.44	49.19	74.00	-24.81	peak
2	9617.0195	38.37	9.13	47.50	74.00	-26.50	peak
3	13452.9088	37.22	12.99	50.21	74.00	-23.79	peak
4	17030.0050	36.90	19.44	56.34	74.00	-17.66	peak
		26.27	19.44	45.71	54.00	-8.29	average
5	17612.7688	37.58	18.57	56.15	74.00	-17.85	peak
		26.86	18.57	45.43	54.00	-8.57	average
6	17976.9962	37.33	18.93	56.26	74.00	-17.74	peak
		25.98	18.93	44.91	54.00	-9.09	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5310	Horizontal	PASS

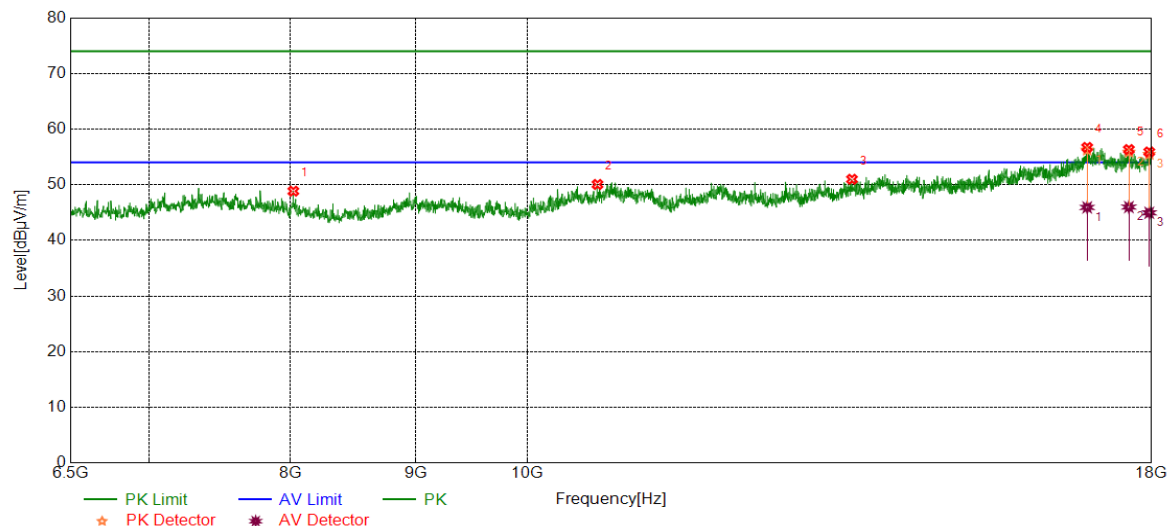


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7594.5991	38.97	9.70	48.67	74.00	-25.33	peak
2	10738.4564	37.09	12.35	49.44	74.00	-24.56	peak
3	14764.1274	36.99	14.43	51.42	74.00	-22.58	peak
4	17160.3601	37.66	19.94	57.60	74.00	-16.40	peak
		26.69	19.94	46.63	54.00	-7.37	average
5	17706.7011	36.92	18.76	55.68	74.00	-18.32	peak
		26.48	18.76	45.24	54.00	-8.76	average
6	17980.8301	36.94	18.99	55.93	74.00	-18.07	peak
		26.03	18.99	45.02	54.00	-8.98	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5310	Vertical	PASS

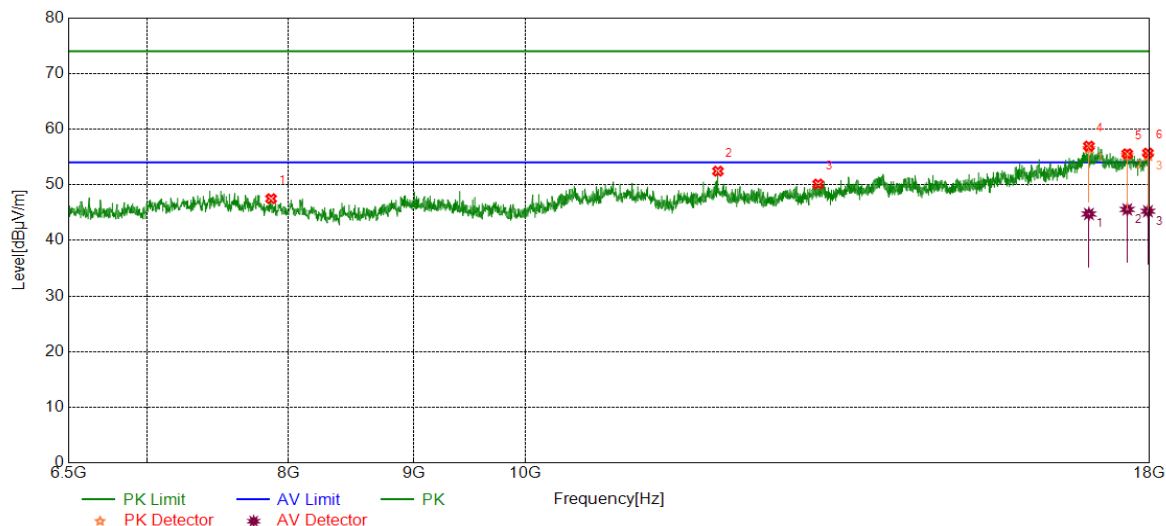


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	8020.1700	39.99	8.86	48.85	74.00	-25.15	peak
2	10680.9468	37.30	12.76	50.06	74.00	-23.94	peak
3	13573.6789	37.56	13.43	50.99	74.00	-23.01	peak
4	16939.9067	37.16	19.55	56.71	74.00	-17.29	peak
		26.38	19.55	45.93	54.00	-8.07	average
5	17618.5198	37.96	18.37	56.33	74.00	-17.67	peak
		27.62	18.37	45.99	54.00	-8.01	average
6	17959.7433	37.21	18.69	55.90	74.00	-18.10	peak
		26.27	18.69	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5510	Horizontal	PASS

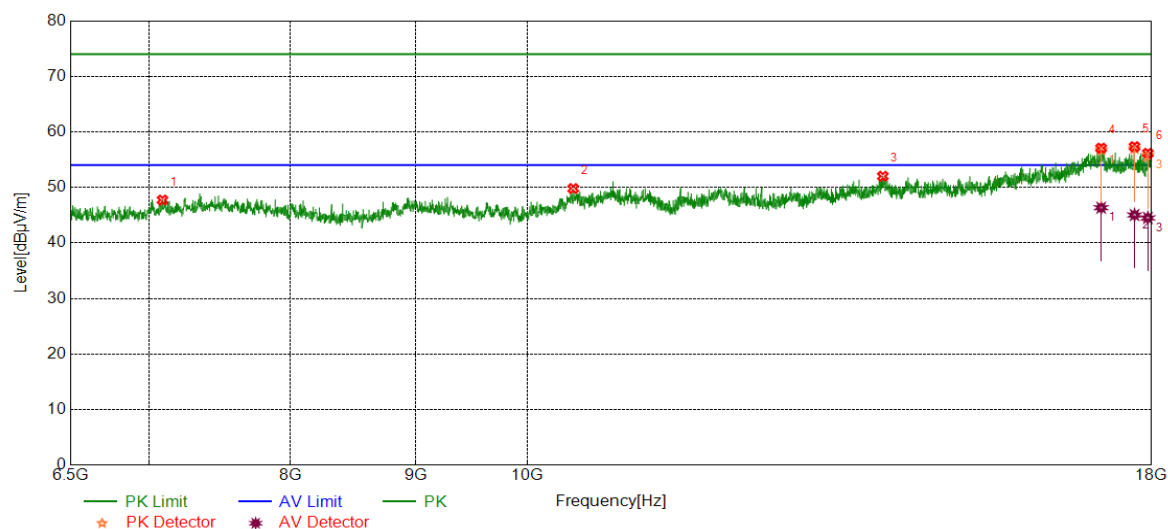


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7868.7281	38.89	8.60	47.49	74.00	-26.51	peak
2	11986.4144	38.88	13.56	52.44	74.00	-21.56	peak
3	13173.0288	37.28	12.85	50.13	74.00	-23.87	peak
4	16999.3332	37.75	19.19	56.94	74.00	-17.06	peak
		25.56	19.19	44.75	54.00	-9.25	average
5	17624.2707	36.95	18.62	55.57	74.00	-18.43	peak
		26.94	18.62	45.56	54.00	-8.44	average
6	17971.2452	36.88	18.81	55.69	74.00	-18.31	peak
		26.43	18.81	45.24	54.00	-8.76	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5510	Vertical	PASS

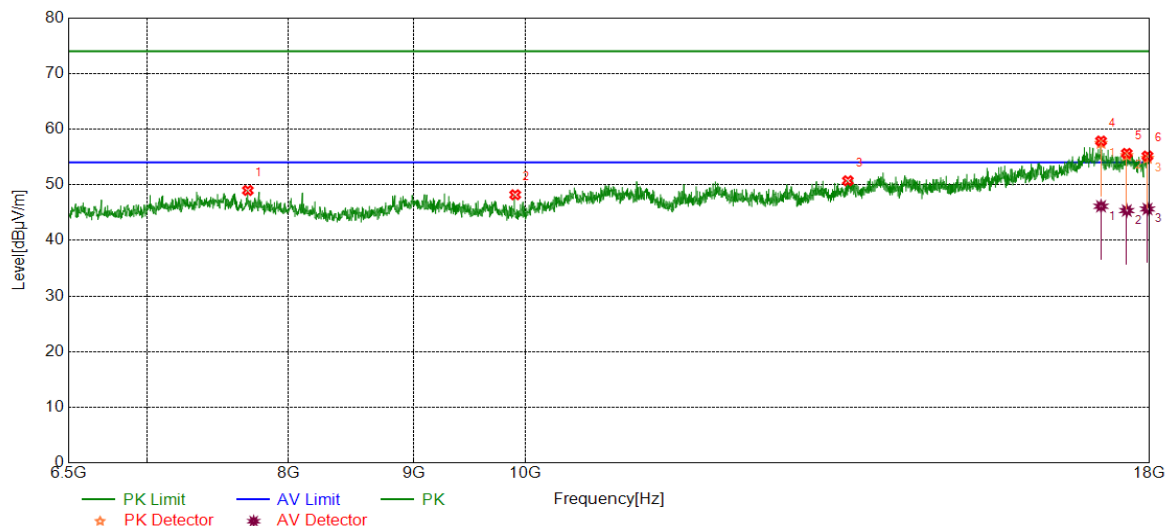


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7090.4317	37.85	9.88	47.73	74.00	-26.27	peak
2	10439.4066	38.08	11.72	49.80	74.00	-24.20	peak
3	13974.3291	37.39	14.62	52.01	74.00	-21.99	peak
4	17164.1940	37.33	19.74	57.07	74.00	-16.93	peak
		26.60	19.74	46.34	54.00	-7.66	average
5	17712.4521	38.44	18.90	57.34	74.00	-16.66	peak
		26.13	18.90	45.03	54.00	-8.97	average
6	17936.7395	37.64	18.50	56.14	74.00	-17.86	peak
		26.01	18.50	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5550	Horizontal	PASS

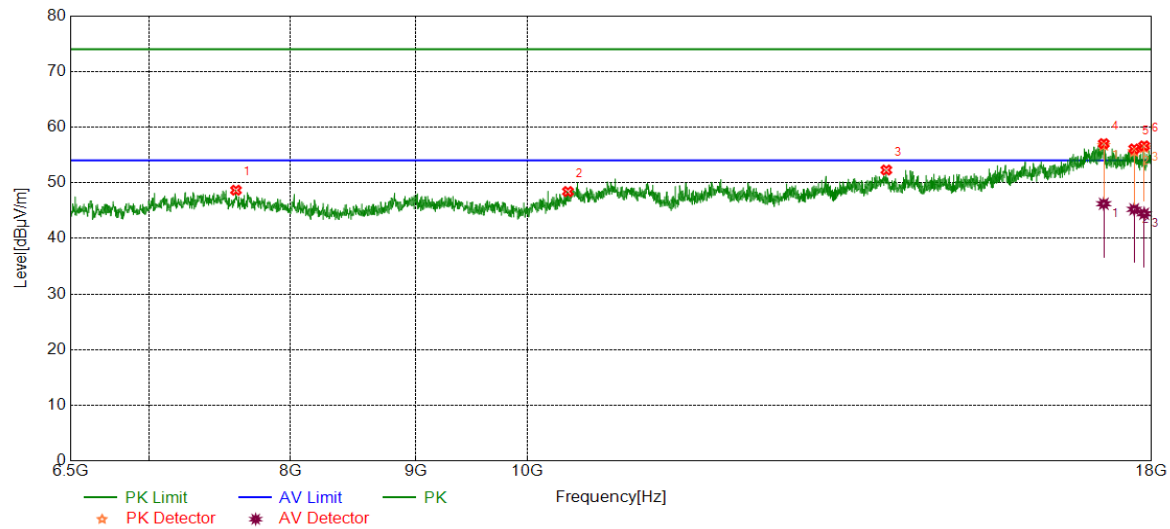


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7698.1164	39.55	9.43	48.98	74.00	-25.02	peak
2	9902.6504	39.25	8.95	48.20	74.00	-25.80	peak
3	13546.8411	37.29	13.43	50.72	74.00	-23.28	peak
4	17194.8658	38.33	19.53	57.86	74.00	-16.14	peak
		26.60	19.53	46.13	54.00	-7.87	average
5	17616.6028	37.20	18.44	55.64	74.00	-18.36	peak
		26.92	18.44	45.36	54.00	-8.64	average
6	17963.5773	36.43	18.73	55.16	74.00	-18.84	peak
		26.91	18.73	45.64	54.00	-8.36	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5550	Vertical	PASS

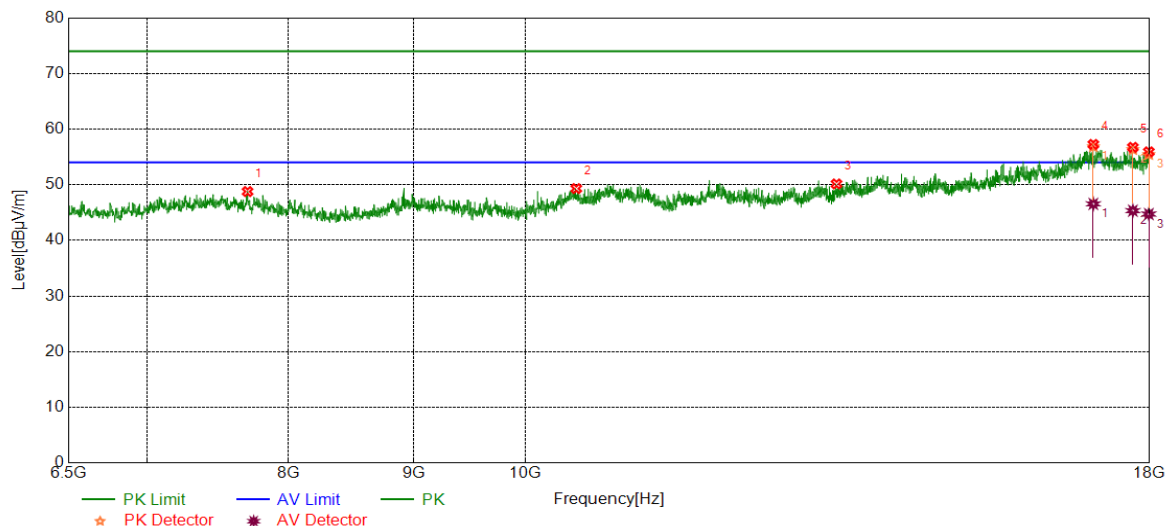


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7598.4331	38.99	9.67	48.66	74.00	-25.34	peak
2	10387.6479	37.04	11.38	48.42	74.00	-25.58	peak
3	14020.3367	37.27	15.02	52.29	74.00	-21.71	peak
4	17206.3677	37.70	19.33	57.03	74.00	-16.97	peak
		26.89	19.33	46.22	54.00	-7.78	average
5	17706.7011	37.32	18.76	56.08	74.00	-17.92	peak
		26.47	18.76	45.23	54.00	-8.77	average
6	17873.4789	38.17	18.45	56.62	74.00	-17.38	peak
		25.98	18.45	44.43	54.00	-9.57	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5670	Horizontal	PASS

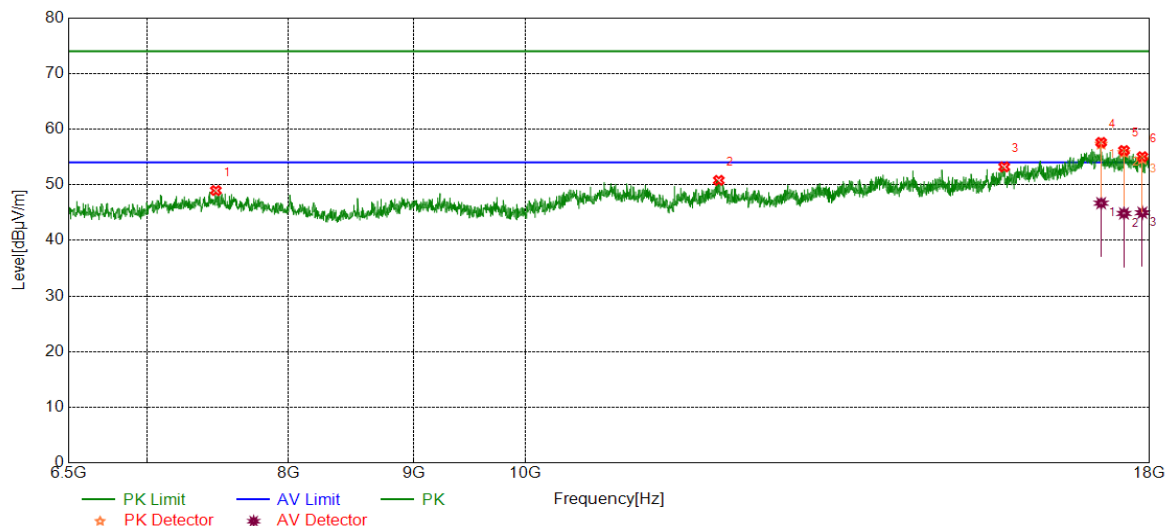


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7696.1994	39.26	9.52	48.78	74.00	-25.22	peak
2	10489.2482	37.23	12.08	49.31	74.00	-24.69	peak
3	13403.0672	37.16	12.99	50.15	74.00	-23.85	peak
4	17070.2617	36.79	20.46	57.25	74.00	-16.75	peak
		26.10	20.46	46.56	54.00	-7.44	average
5	17718.2030	37.66	19.06	56.72	74.00	-17.28	peak
		26.28	19.06	45.34	54.00	-8.66	average
6	17986.5811	36.86	19.06	55.92	74.00	-18.08	peak
		25.67	19.06	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5670	Vertical	PASS

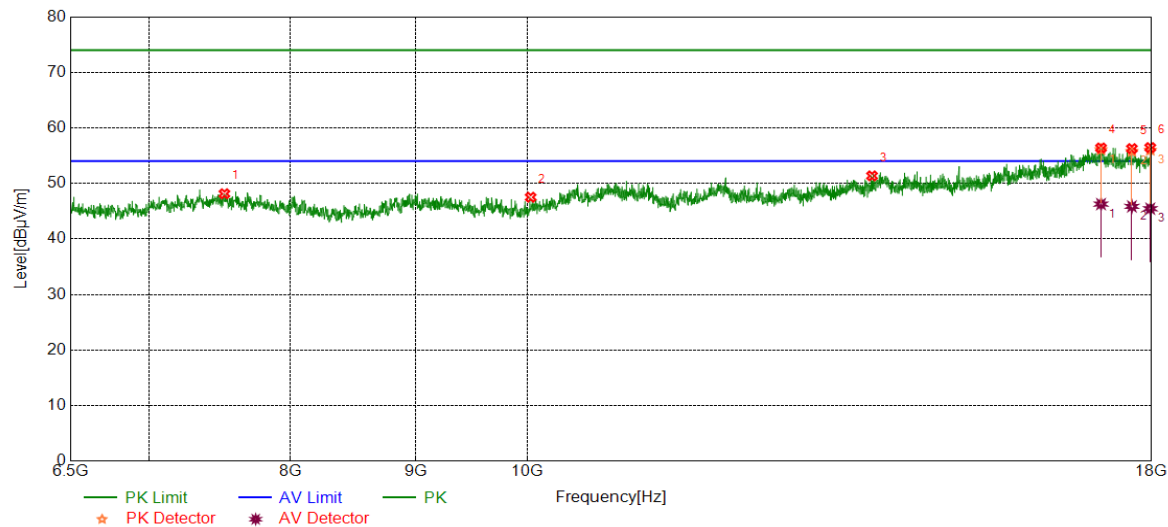


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7469.9950	39.28	9.68	48.96	74.00	-25.04	peak
2	11995.9993	37.29	13.50	50.79	74.00	-23.21	peak
3	15695.7826	36.81	16.40	53.21	74.00	-20.79	peak
4	17196.7828	37.96	19.65	57.61	74.00	-16.39	peak
		27.04	19.65	46.69	54.00	-7.31	average
5	17570.5951	37.47	18.68	56.15	74.00	-17.85	peak
		26.16	18.68	44.84	54.00	-9.16	average
6	17877.3129	36.36	18.68	55.04	74.00	-18.96	peak
		26.29	18.68	44.97	54.00	-9.03	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5710	Horizontal	PASS

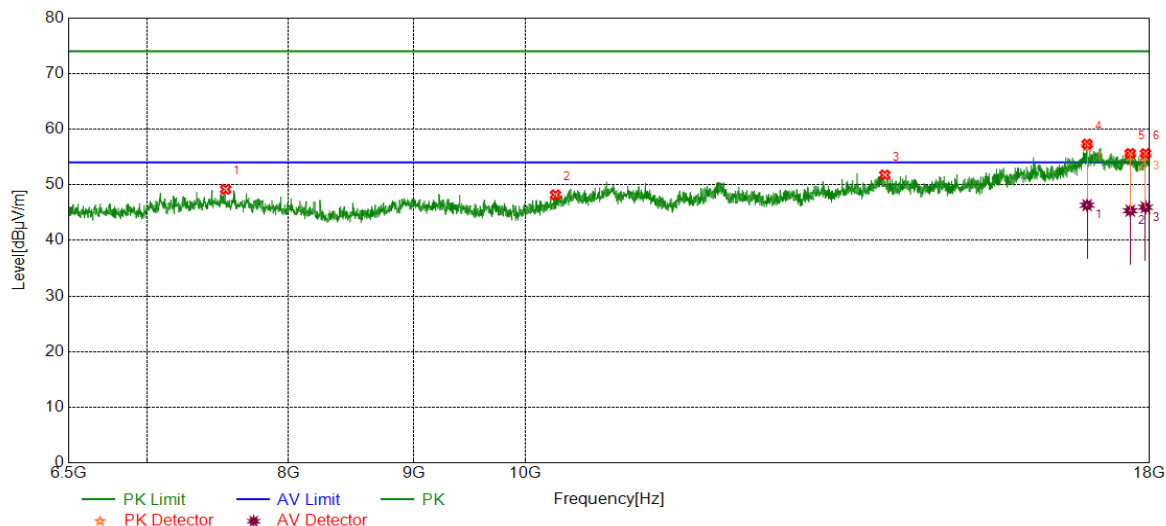


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7516.0027	38.74	9.40	48.14	74.00	-25.86	peak
2	10029.1715	38.52	8.99	47.51	74.00	-26.49	peak
3	13832.4721	37.18	14.18	51.36	74.00	-22.64	peak
4	17162.2770	36.55	19.84	56.39	74.00	-17.61	peak
		26.44	19.84	46.28	54.00	-7.72	average
5	17668.3614	37.07	19.19	56.26	74.00	-17.74	peak
		26.67	19.19	45.86	54.00	-8.14	average
6	17976.9962	37.52	18.93	56.45	74.00	-17.55	peak
		26.52	18.93	45.45	54.00	-8.55	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5710	Vertical	PASS

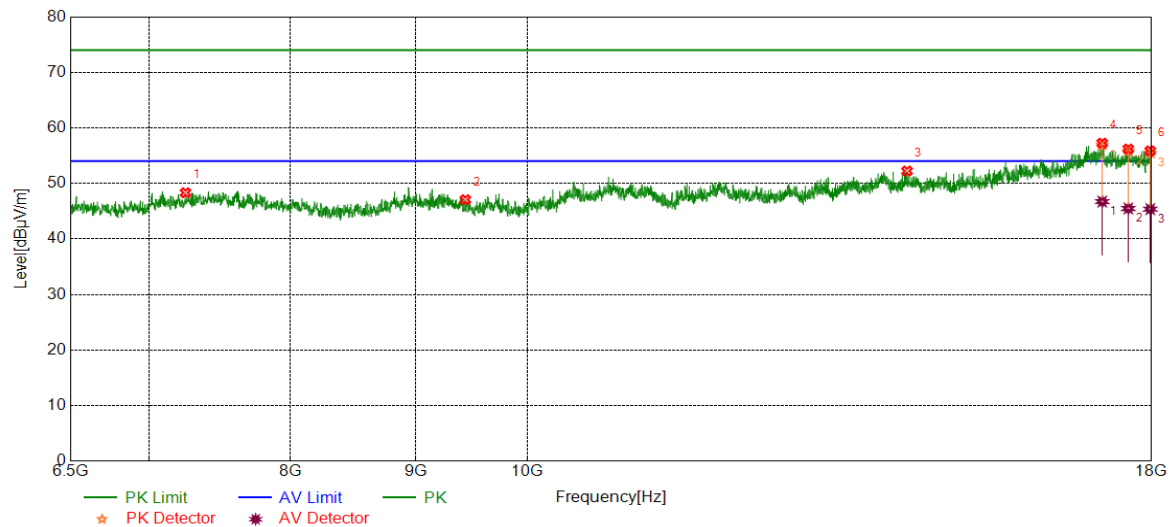


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7539.0065	39.55	9.63	49.18	74.00	-24.82	peak
2	10286.0477	37.49	10.71	48.20	74.00	-25.80	peak
3	14026.0877	36.75	15.01	51.76	74.00	-22.24	peak
4	16970.5784	36.74	20.57	57.31	74.00	-16.69	peak
		25.76	20.57	46.33	54.00	-7.67	average
5	17674.1124	36.62	19.00	55.62	74.00	-18.38	peak
		26.34	19.00	45.34	54.00	-8.66	average
6	17930.9885	36.79	18.81	55.60	74.00	-18.40	peak
		27.14	18.81	45.95	54.00	-8.05	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5755	Horizontal	PASS

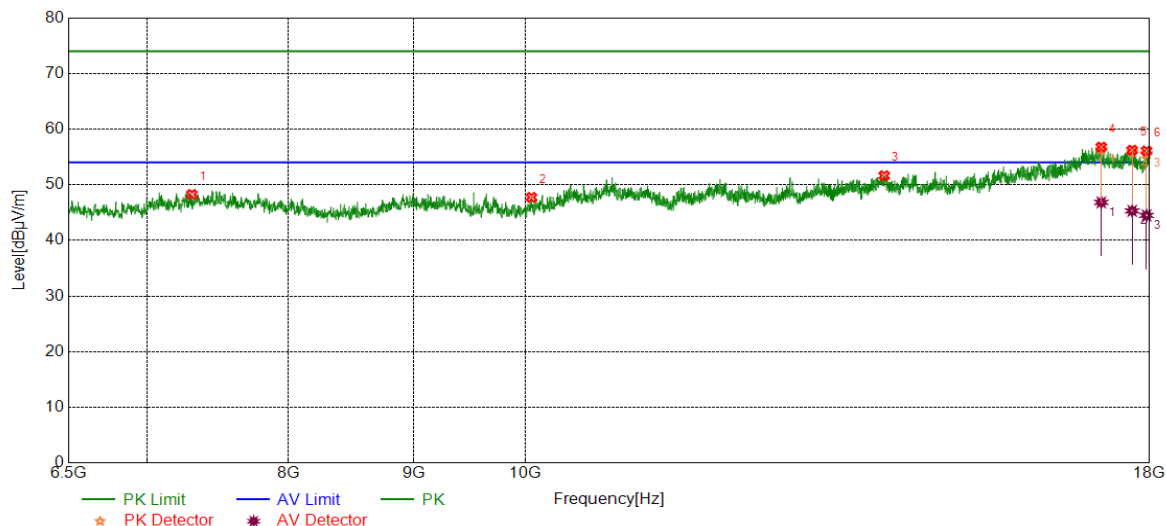


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7245.7076	38.59	9.73	48.32	74.00	-25.68	peak
2	9431.0718	38.06	9.01	47.07	74.00	-26.93	peak
3	14296.3827	37.64	14.59	52.23	74.00	-21.77	peak
4	17181.4469	38.10	19.15	57.25	74.00	-16.75	peak
		27.58	19.15	46.73	54.00	-7.27	average
5	17608.9348	37.54	18.65	56.19	74.00	-17.81	peak
		26.84	18.65	45.49	54.00	-8.51	average
6	17976.9962	36.93	18.93	55.86	74.00	-18.14	peak
		26.44	18.93	45.37	54.00	-8.63	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5755	Vertical	PASS

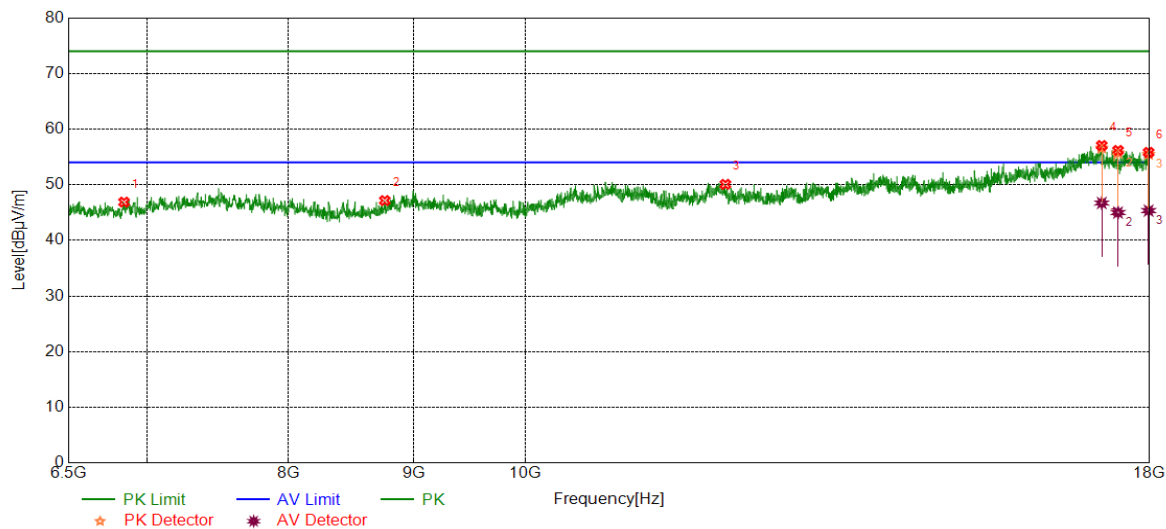


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7303.2172	38.83	9.42	48.25	74.00	-25.75	peak
2	10056.0093	38.26	9.47	47.73	74.00	-26.27	peak
3	14018.4197	36.59	15.04	51.63	74.00	-22.37	peak
4	17198.6998	37.00	19.77	56.77	74.00	-17.23	peak
		27.06	19.77	46.83	54.00	-7.17	average
5	17706.7011	37.45	18.76	56.21	74.00	-17.79	peak
		26.54	18.76	45.30	54.00	-8.70	average
6	17948.2414	37.59	18.49	56.08	74.00	-17.92	peak
		26.00	18.49	44.49	54.00	-9.51	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5795	Horizontal	PASS

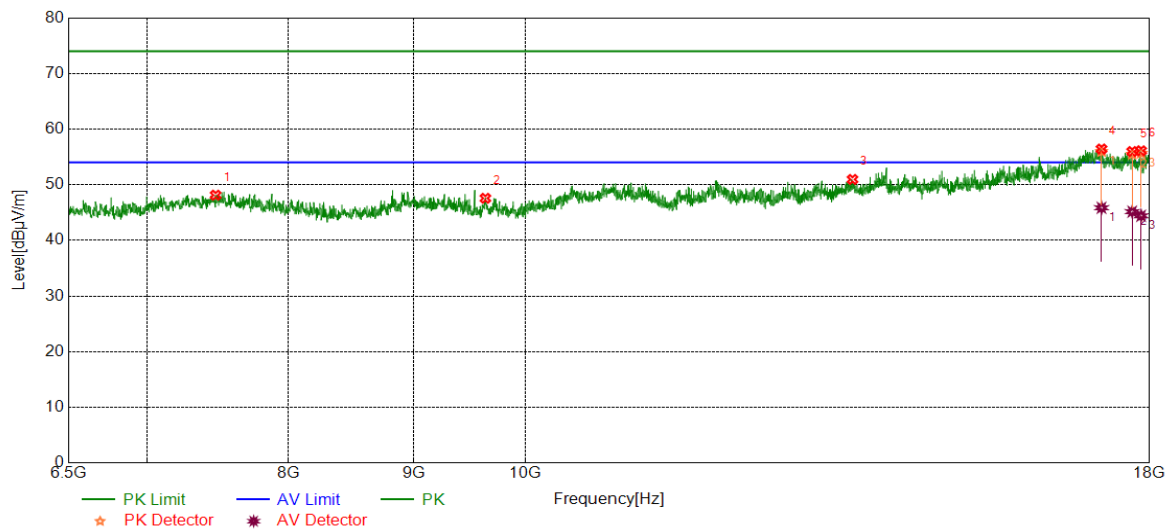


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	6850.8085	37.97	8.91	46.88	74.00	-27.12	peak
2	8758.2097	38.75	8.41	47.16	74.00	-26.84	peak
3	12070.7618	36.82	13.26	50.08	74.00	-23.92	peak
4	17206.3677	37.72	19.33	57.05	74.00	-16.95	peak
		27.39	19.33	46.72	54.00	-7.28	average
5	17472.8288	37.56	18.61	56.17	74.00	-17.83	peak
		26.39	18.61	45.00	54.00	-9.00	average
6	17982.7471	36.81	19.01	55.82	74.00	-18.18	peak
		26.34	19.01	45.35	54.00	-8.65	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 40	5795	Vertical	PASS

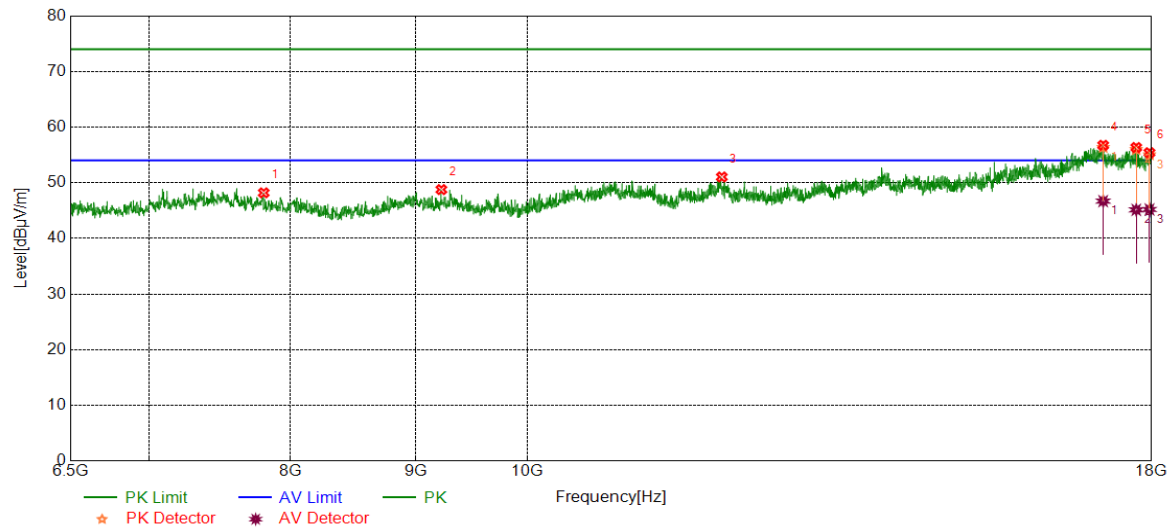


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7468.0780	38.49	9.64	48.13	74.00	-25.87	peak
2	9628.5214	38.61	8.96	47.57	74.00	-26.43	peak
3	13606.2677	37.33	13.63	50.96	74.00	-23.04	peak
4	17202.5338	36.78	19.64	56.42	74.00	-17.58	peak
		26.22	19.64	45.86	54.00	-8.14	average
5	17706.7011	37.21	18.76	55.97	74.00	-18.03	peak
		26.40	18.76	45.16	54.00	-8.84	average
6	17856.2260	37.46	18.65	56.11	74.00	-17.89	peak
		25.77	18.65	44.42	54.00	-9.58	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5210	Horizontal	PASS

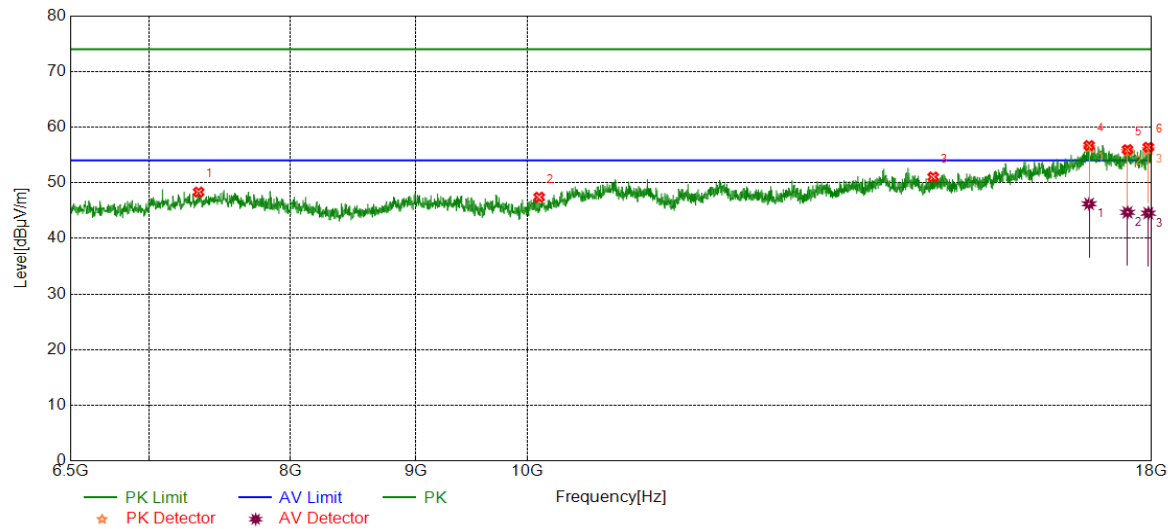


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7799.7166	39.46	8.73	48.19	74.00	-25.81	peak
2	9220.2034	39.72	9.05	48.77	74.00	-25.23	peak
3	12007.5013	37.68	13.36	51.04	74.00	-22.96	peak
4	17196.7828	37.08	19.65	56.73	74.00	-17.27	peak
		27.05	19.65	46.70	54.00	-7.30	average
5	17741.2069	37.31	19.03	56.34	74.00	-17.66	peak
		26.10	19.03	45.13	54.00	-8.87	average
6	17963.5773	36.67	18.73	55.40	74.00	-18.60	peak
		26.47	18.73	45.20	54.00	-8.80	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5210	Vertical	PASS

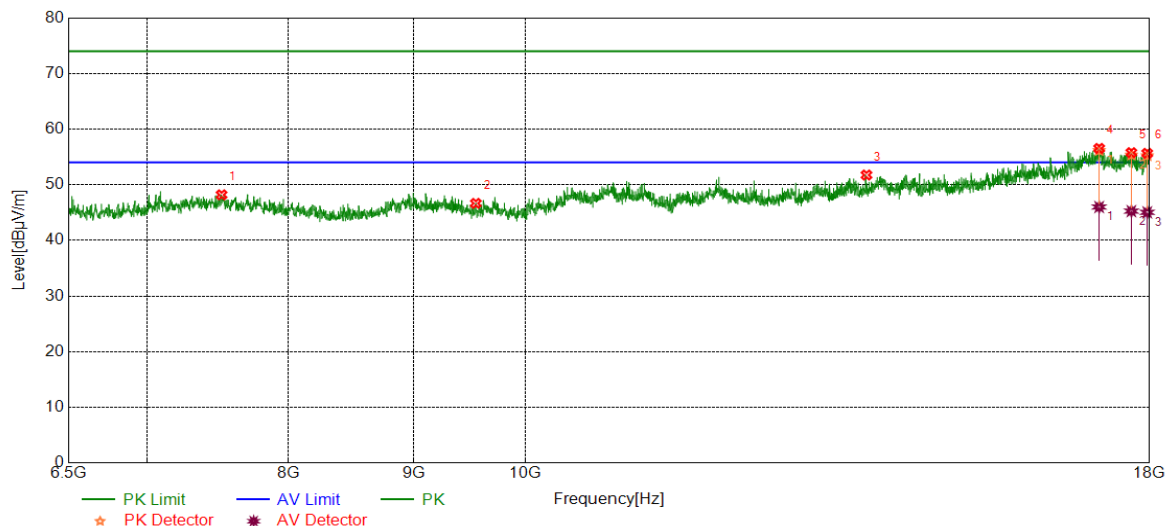


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7335.8060	38.74	9.59	48.33	74.00	-25.67	peak
2	10109.6849	37.77	9.64	47.41	74.00	-26.59	peak
3	14652.9422	36.97	14.07	51.04	74.00	-22.96	peak
4	16970.5784	36.12	20.57	56.69	74.00	-17.31	peak
		25.64	20.57	46.21	54.00	-7.79	average
5	17595.5159	37.36	18.59	55.95	74.00	-18.05	peak
		26.09	18.59	44.68	54.00	-9.32	average
6	17944.4074	37.98	18.41	56.39	74.00	-17.61	peak
		26.12	18.41	44.53	54.00	-9.47	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5290	Horizontal	PASS

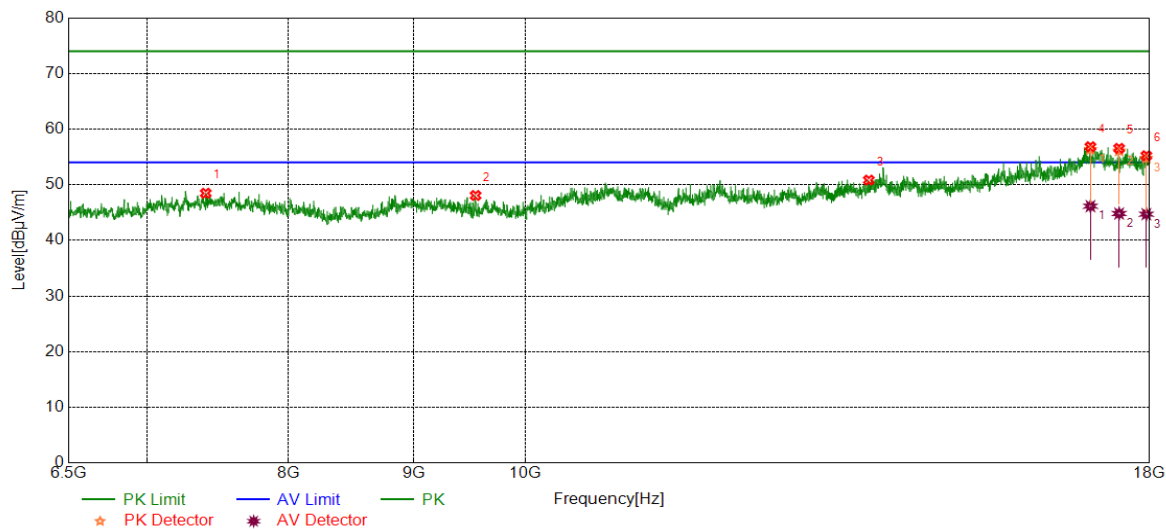


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7510.2517	38.72	9.47	48.19	74.00	-25.81	peak
2	9542.2570	37.86	8.80	46.66	74.00	-27.34	peak
3	13786.4644	37.79	13.96	51.75	74.00	-22.25	peak
4	17164.1940	36.79	19.74	56.53	74.00	-17.47	peak
		26.26	19.74	46.00	54.00	-8.00	average
5	17693.2822	37.19	18.58	55.77	74.00	-18.23	peak
		26.68	18.58	45.26	54.00	-8.74	average
6	17959.7433	36.96	18.69	55.65	74.00	-18.35	peak
		26.35	18.69	45.04	54.00	-8.96	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5290	Vertical	PASS

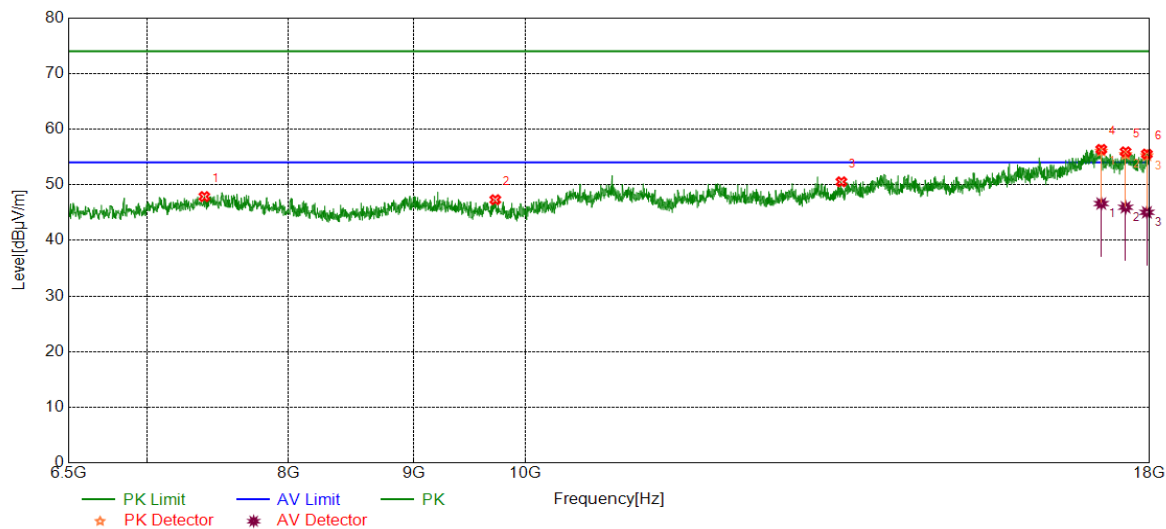


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7399.0665	39.12	9.36	48.48	74.00	-25.52	peak
2	9540.3401	39.26	8.81	48.07	74.00	-25.93	peak
3	13817.1362	36.71	14.12	50.83	74.00	-23.17	peak
4	17024.2540	37.33	19.50	56.83	74.00	-17.17	peak
		26.65	19.50	46.15	54.00	-7.85	average
5	17490.0817	38.05	18.49	56.54	74.00	-17.46	peak
		26.33	18.49	44.82	54.00	-9.18	average
6	17944.4074	36.81	18.41	55.22	74.00	-18.78	peak
		26.30	18.41	44.71	54.00	-9.29	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5530	Horizontal	PASS

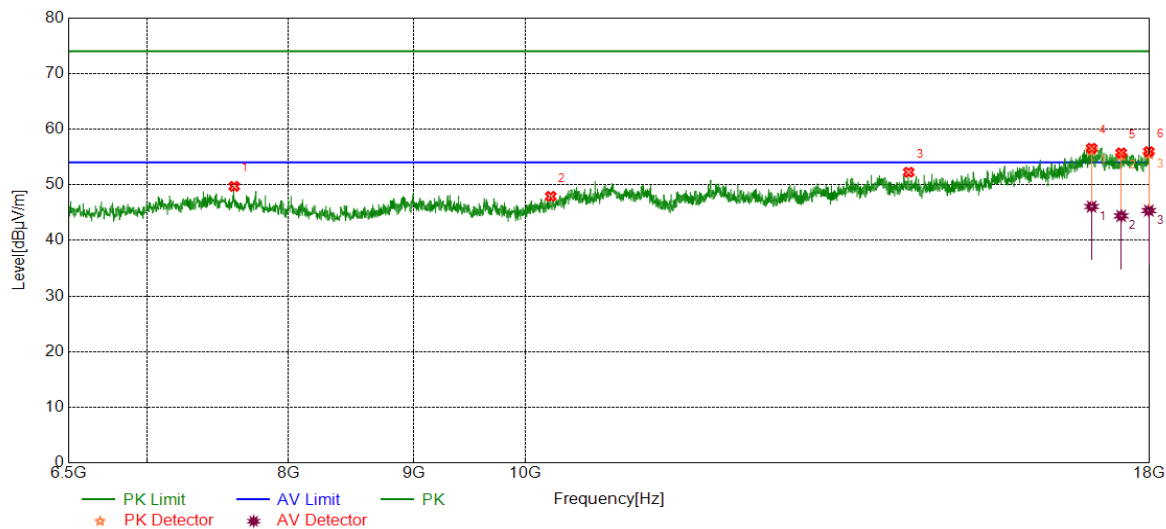


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7389.4816	38.47	9.40	47.87	74.00	-26.13	peak
2	9718.6198	38.30	9.01	47.31	74.00	-26.69	peak
3	13464.4107	37.59	12.94	50.53	74.00	-23.47	peak
4	17198.6998	36.58	19.77	56.35	74.00	-17.65	peak
		26.85	19.77	46.62	54.00	-7.38	average
5	17597.4329	37.36	18.56	55.92	74.00	-18.08	peak
		27.39	18.56	45.95	54.00	-8.05	average
6	17953.9923	36.93	18.59	55.52	74.00	-18.48	peak
		26.45	18.59	45.04	54.00	-8.96	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5530	Vertical	PASS

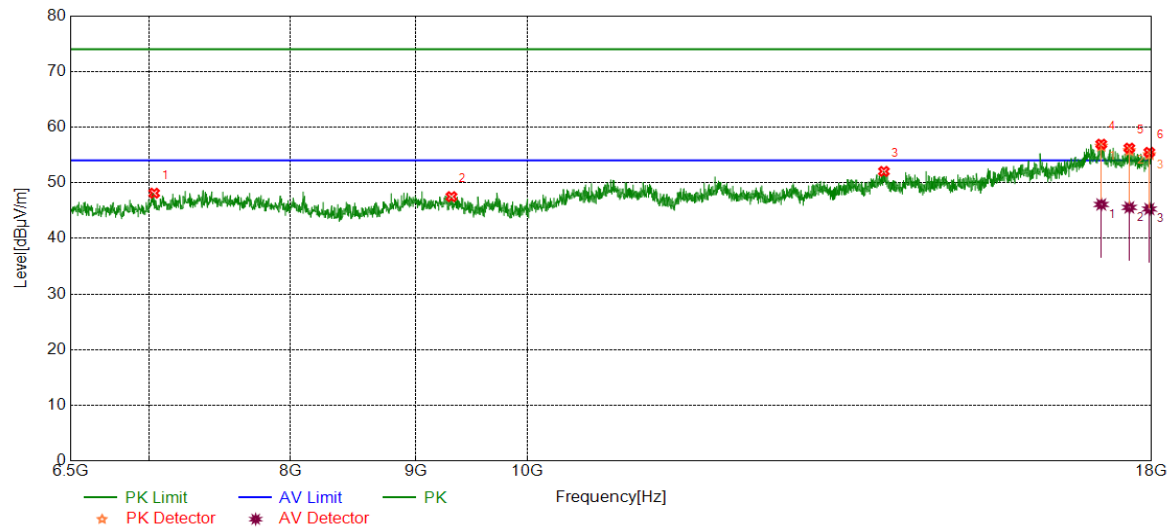


No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7600.3501	40.06	9.65	49.71	74.00	-24.29	peak
2	10240.0400	37.19	10.72	47.91	74.00	-26.09	peak
3	14346.2244	37.56	14.69	52.25	74.00	-21.75	peak
4	17043.4239	36.95	19.60	56.55	74.00	-17.45	peak
		26.48	19.60	46.08	54.00	-7.92	average
5	17524.5874	37.69	18.03	55.72	74.00	-18.28	peak
		26.37	18.03	44.40	54.00	-9.60	average
6	17986.5811	36.89	19.06	55.95	74.00	-18.05	peak
		26.30	19.06	45.36	54.00	-8.64	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5610	Horizontal	PASS

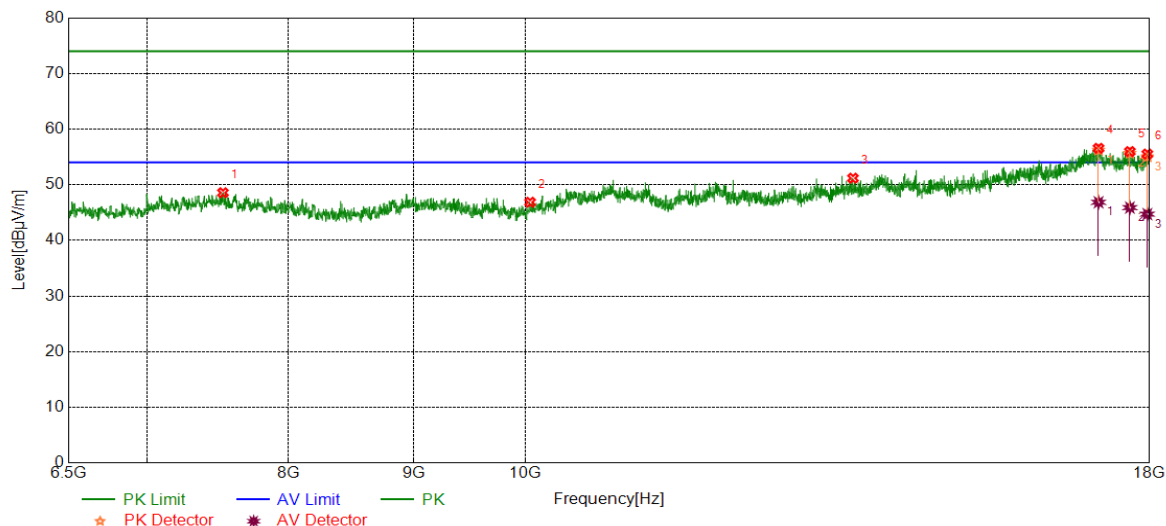


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7034.8391	38.87	9.26	48.13	74.00	-25.87	peak
2	9308.3847	38.41	9.09	47.50	74.00	-26.50	peak
3	13987.7480	37.18	14.86	52.04	74.00	-21.96	peak
4	17166.1110	37.29	19.64	56.93	74.00	-17.07	peak
		26.46	19.64	46.10	54.00	-7.90	average
5	17626.1877	37.46	18.76	56.22	74.00	-17.78	peak
		26.81	18.76	45.57	54.00	-8.43	average
6	17961.6603	36.76	18.71	55.47	74.00	-18.53	peak
		26.57	18.71	45.28	54.00	-8.72	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5610	Vertical	PASS

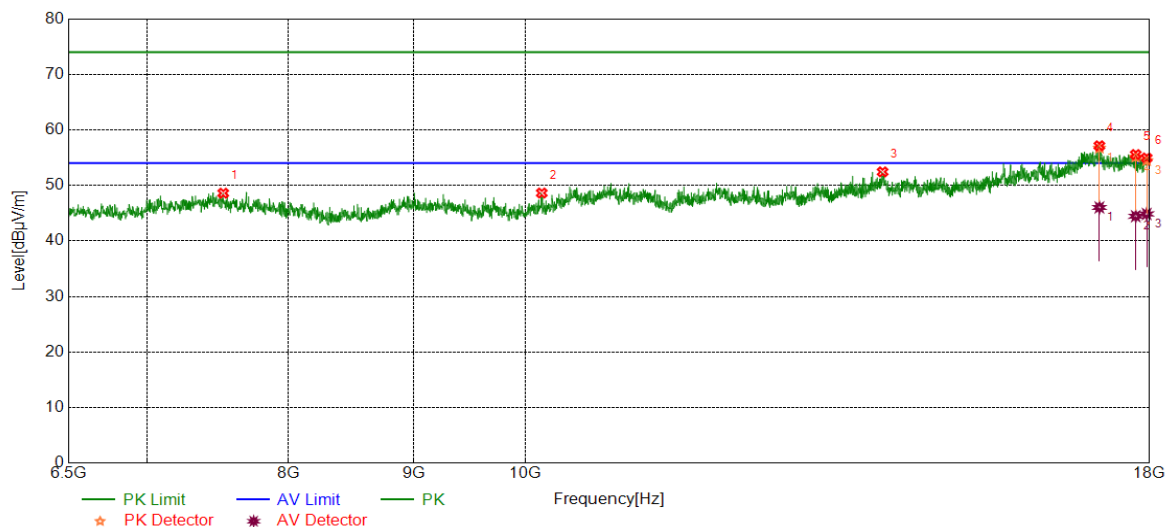


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7519.8366	39.21	9.36	48.57	74.00	-25.43	peak
2	10042.5904	37.62	9.24	46.86	74.00	-27.14	peak
3	13612.0187	37.60	13.58	51.18	74.00	-22.82	peak
4	17154.6091	36.92	19.63	56.55	74.00	-17.45	peak
		27.22	19.63	46.85	54.00	-7.15	average
5	17668.3614	36.78	19.19	55.97	74.00	-18.03	peak
		26.70	19.19	45.89	54.00	-8.11	average
6	17961.6603	36.81	18.71	55.52	74.00	-18.48	peak
		26.01	18.71	44.72	54.00	-9.28	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5690	Horizontal	PASS

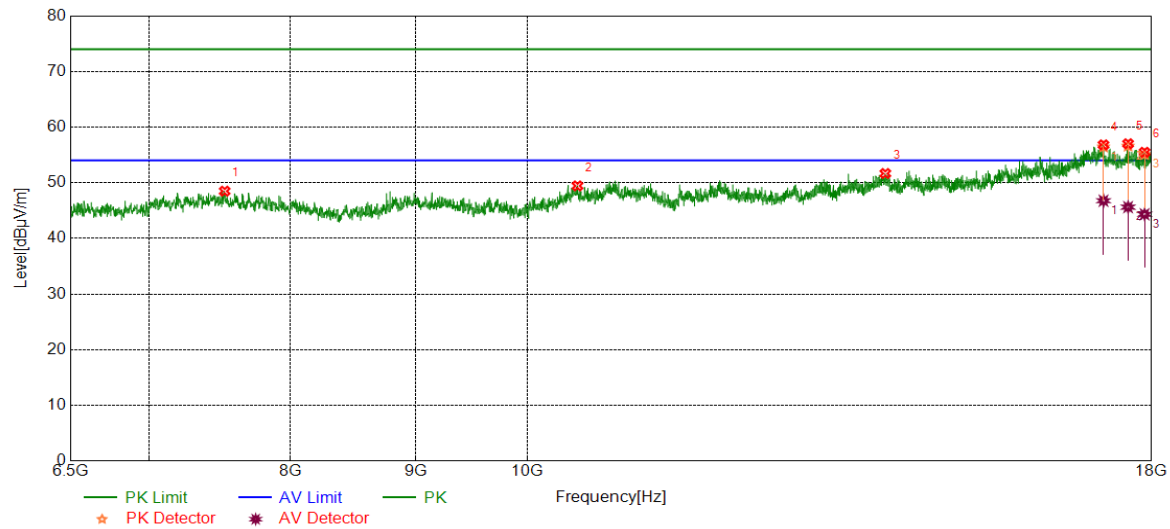


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7521.7536	39.20	9.40	48.60	74.00	-25.40	peak
2	10153.7756	38.41	10.22	48.63	74.00	-25.37	peak
3	13997.3329	37.30	15.14	52.44	74.00	-21.56	peak
4	17168.0280	37.60	19.54	57.14	74.00	-16.86	peak
		26.49	19.54	46.03	54.00	-7.97	average
5	17766.1277	36.88	18.68	55.56	74.00	-18.44	peak
		25.77	18.68	44.45	54.00	-9.55	average
6	17950.1584	36.41	18.53	54.94	74.00	-19.06	peak
		26.33	18.53	44.86	54.00	-9.14	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5690	Vertical	PASS

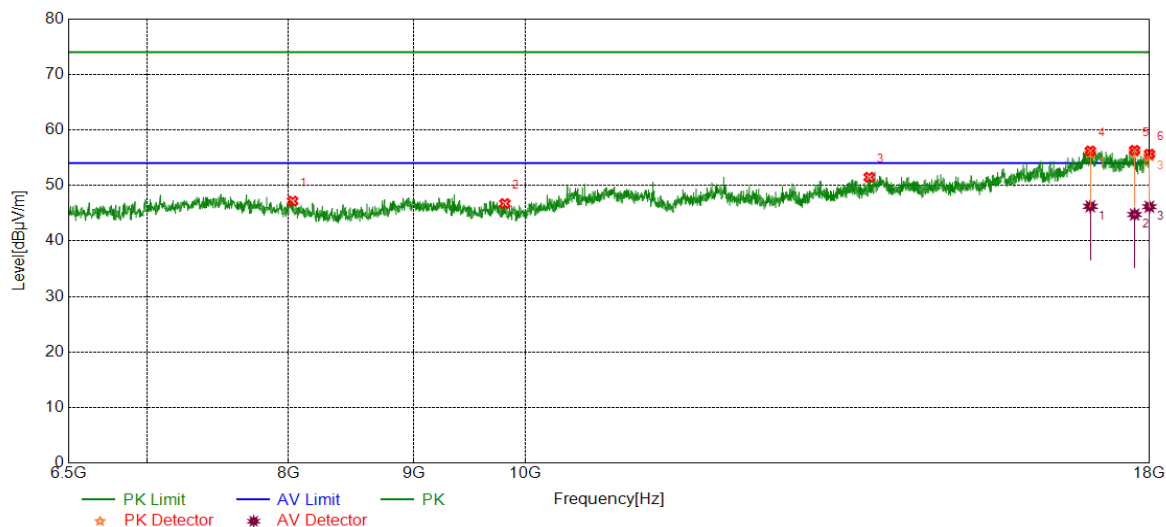


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7517.9197	39.11	9.38	48.49	74.00	-25.51	peak
2	10481.5803	37.27	12.17	49.44	74.00	-24.56	peak
3	14006.9178	36.51	15.15	51.66	74.00	-22.34	peak
4	17202.5338	37.17	19.64	56.81	74.00	-17.19	peak
		27.13	19.64	46.77	54.00	-7.23	average
5	17605.1009	38.42	18.59	57.01	74.00	-16.99	peak
		27.03	18.59	45.62	54.00	-8.38	average
6	17881.1469	36.75	18.73	55.48	74.00	-18.52	peak
		25.60	18.73	44.33	54.00	-9.67	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5775	Horizontal	PASS

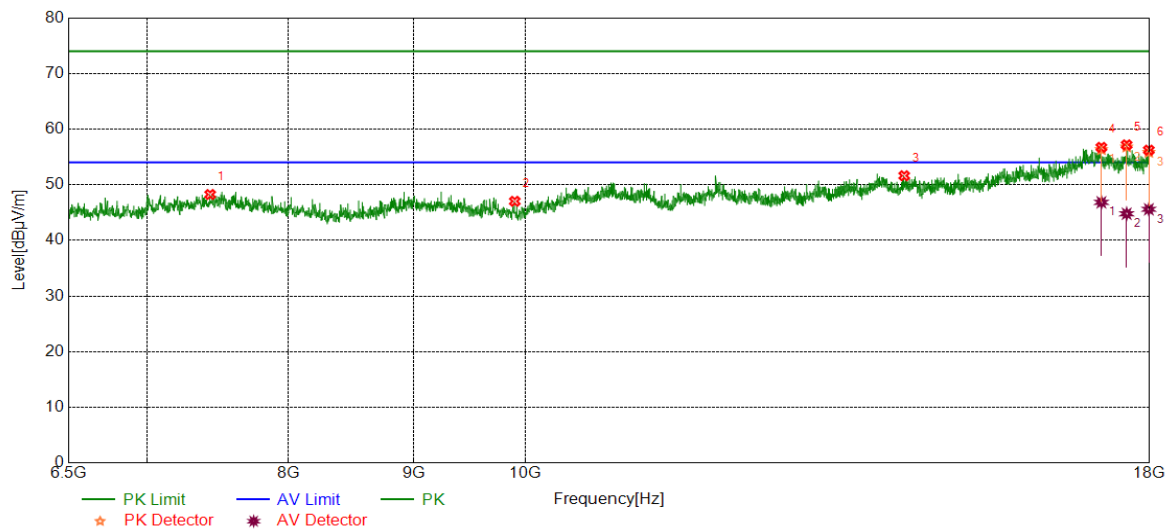


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	8029.7550	38.42	8.76	47.18	74.00	-26.82	peak
2	9806.8011	37.68	9.06	46.74	74.00	-27.26	peak
3	13822.8871	37.30	14.17	51.47	74.00	-22.53	peak
4	17022.3371	36.69	19.52	56.21	74.00	-17.79	peak
		26.71	19.52	46.23	54.00	-7.77	average
5	17746.9578	37.34	18.98	56.32	74.00	-17.68	peak
		25.78	18.98	44.76	54.00	-9.24	average
6	17996.1660	36.85	18.78	55.63	74.00	-18.37	peak
		27.38	18.78	46.16	54.00	-7.84	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 6.2.
6. For above 6.5GHz 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Test Mode	Channel	Polarization	Verdict
11AC 80	5775	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	7429.7383	38.77	9.48	48.25	74.00	-25.75	peak
2	9898.8165	38.02	9.01	47.03	74.00	-26.97	peak
3	14284.8808	37.10	14.52	51.62	74.00	-22.38	peak
4	17200.6168	36.92	19.80	56.72	74.00	-17.28	peak
		27.04	19.80	46.84	54.00	-7.16	average
5	17614.6858	38.67	18.50	57.17	74.00	-16.83	peak
		26.29	18.50	44.79	54.00	-9.21	average
6	17986.5811	37.16	19.06	56.22	74.00	-17.78	peak
		26.53	19.06	45.59	54.00	-8.41	average

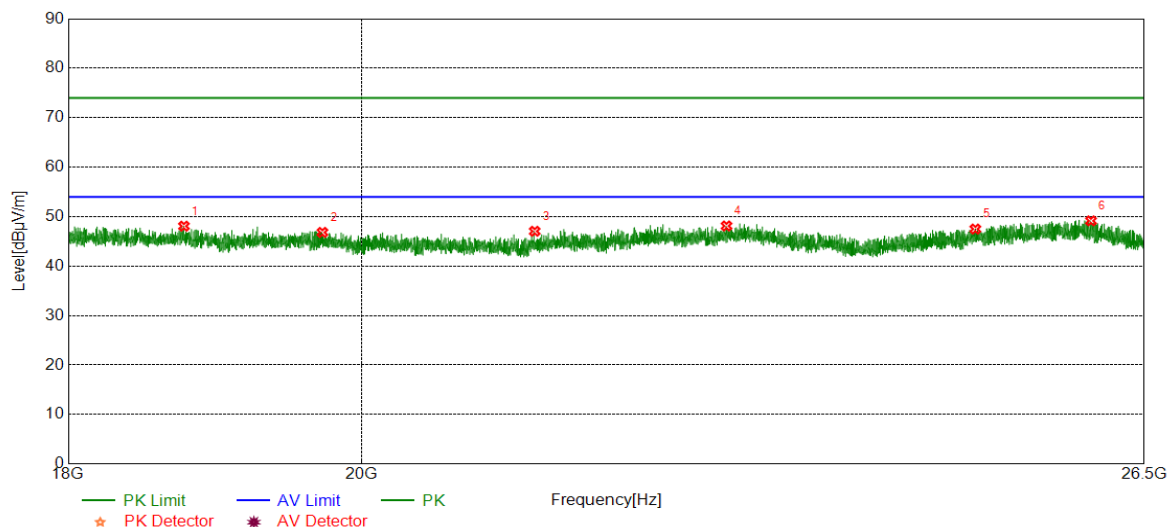
- Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
4. Peak: Peak detector.
5. AVG: VBW refer to section 6.2.
6. For above 6.5GHz part, filter losses were 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.
8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



Part III: 18GHz~26.5GHz

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

Test Mode	Channel	Polarization	Verdict
11 AC40 MIMO	5670	Horizontal	PASS

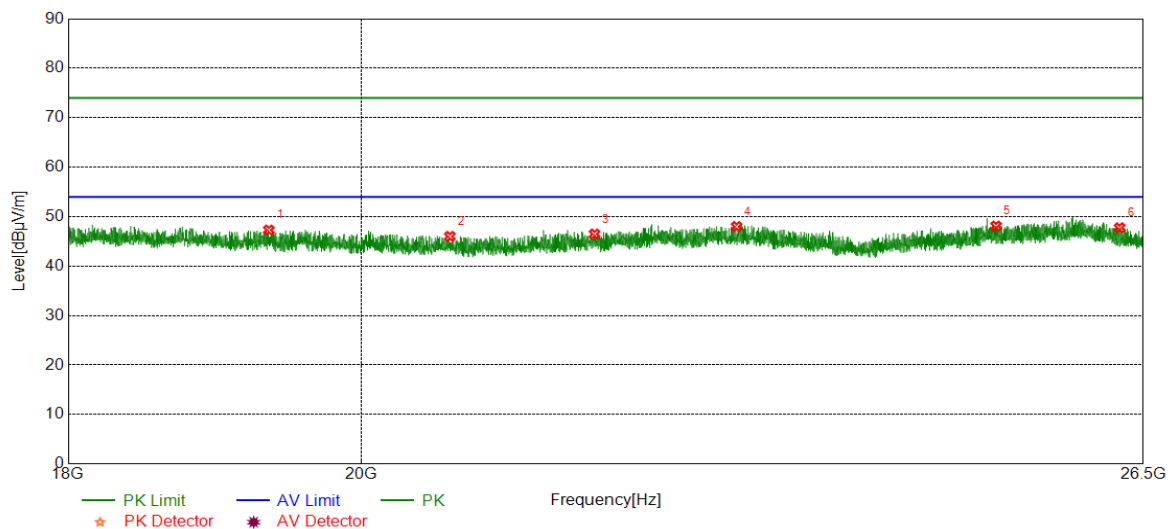


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	18764.2264	49.11	-1.03	48.08	74.00	-25.92	peak
2	19722.2722	47.47	-0.65	46.82	74.00	-27.18	peak
3	21286.4286	47.77	-0.72	47.05	74.00	-26.95	peak
4	22806.3806	47.04	1.08	48.12	74.00	-25.88	peak
5	24940.9441	47.54	-0.04	47.50	74.00	-26.50	peak
6	26000.1500	47.49	1.66	49.15	74.00	-24.85	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
11 AC40 MIMO	5670	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	19347.3847	48.14	-0.84	47.30	74.00	-26.70	peak
2	20649.7150	46.83	-0.82	46.01	74.00	-27.99	peak
3	21753.1253	46.65	-0.16	46.49	74.00	-27.51	peak
4	22893.9394	46.85	1.15	48.00	74.00	-26.00	peak
5	25134.7635	47.86	0.24	48.10	74.00	-25.90	peak
6	26277.2777	46.61	1.14	47.75	74.00	-26.25	peak

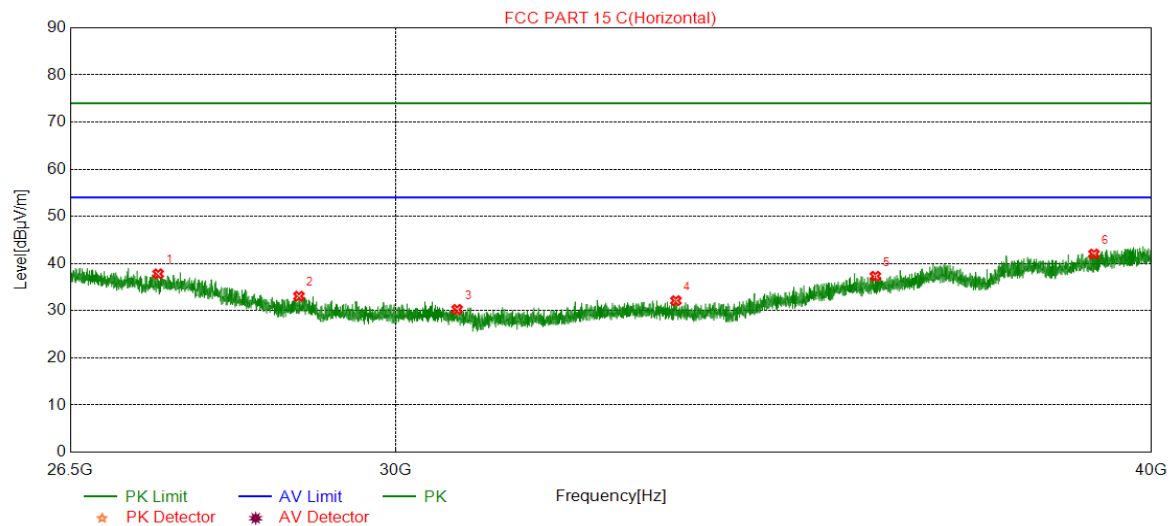
Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part IV: 26.5GHz~40GHz

SPURIOUS EMISSIONS 26.5GHz TO 40GHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11 AC40 MIMO	5670	Horizontal	PASS

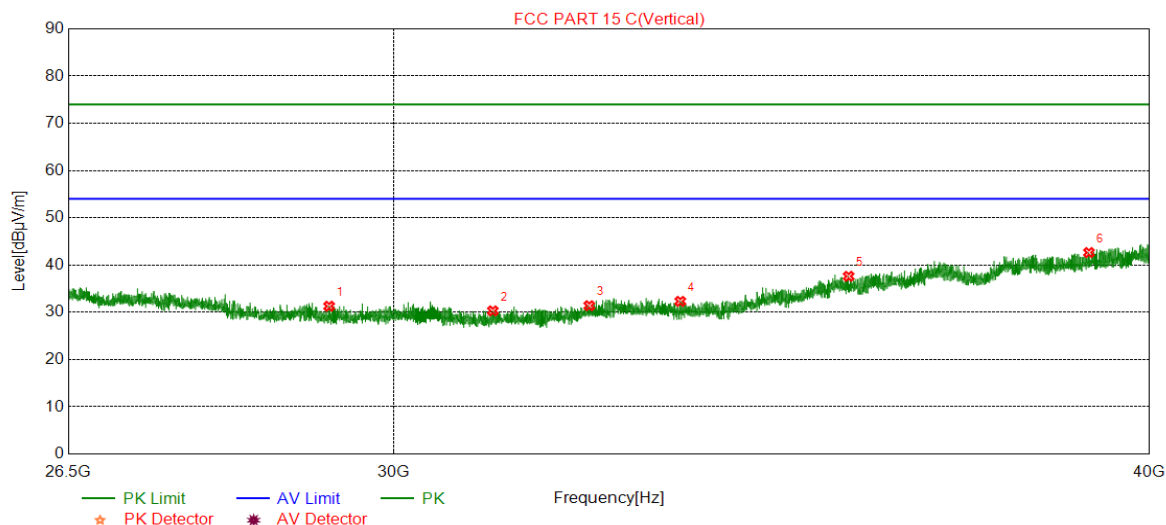


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	27401.8902	44.99	-7.18	37.81	74.00	-36.19	peak
2	28911.3411	39.79	-6.72	33.07	74.00	-40.93	peak
3	30705.6706	37.66	-7.39	30.27	74.00	-43.73	peak
4	33373.5374	38.10	-5.97	32.13	74.00	-41.87	peak
5	36006.3006	39.62	-2.31	37.31	74.00	-36.69	peak
6	39131.8632	39.35	2.68	42.03	74.00	-31.97	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
11 AC40 MIMO	5670	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	29267.7768	38.16	-6.87	31.29	74.00	-42.71	peak
2	31149.8650	38.21	-7.90	30.31	74.00	-43.69	peak
3	32315.0315	37.81	-6.41	31.40	74.00	-42.60	peak
4	33454.5455	38.37	-6.05	32.32	74.00	-41.68	peak
5	35668.7669	40.29	-2.67	37.62	74.00	-36.38	peak
6	39087.3087	40.05	2.60	42.65	74.00	-31.35	peak

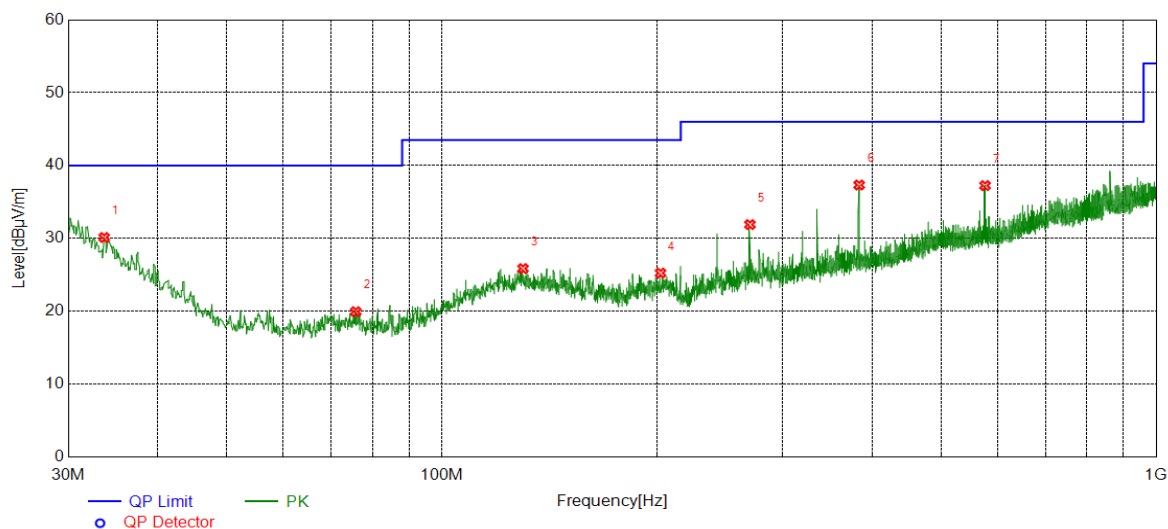
Note: 1.If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part V: 30MHz~1GHz

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

Test Mode	Channel	Polarization	Verdict
11 AC40 MIMO	5670	Horizontal	PASS

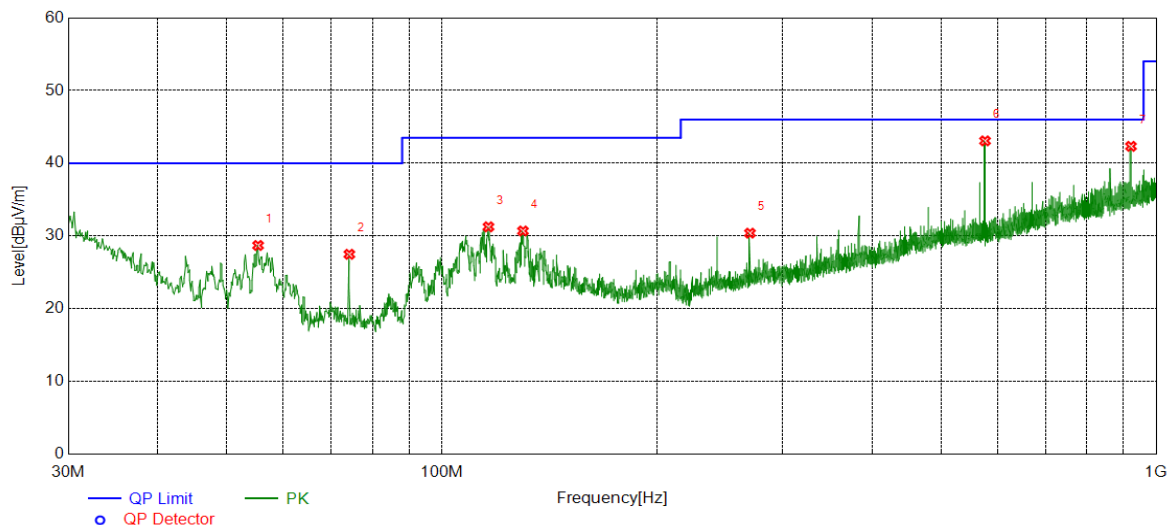


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1	33.6864	5.43	24.70	30.13	40.00	-9.87	peak
2	75.7886	5.40	14.55	19.95	40.00	-20.05	peak
3	129.9200	5.65	20.21	25.86	43.50	-17.64	peak
4	202.3862	6.26	18.99	25.25	43.50	-18.25	peak
5	270.0020	12.10	19.80	31.90	46.00	-14.10	peak
6	383.9884	14.77	22.56	37.33	46.00	-8.67	peak
7	576.0676	10.87	26.38	37.25	46.00	-8.75	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
11 AC40 MIMO	5670	Vertical	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	55.3195	14.42	14.28	28.70	40.00	-11.30	peak
2	74.2364	12.88	14.61	27.49	40.00	-12.51	peak
3	116.2416	11.53	19.73	31.26	43.50	-12.24	peak
4	129.9200	10.48	20.21	30.69	43.50	-12.81	peak
5	270.0020	10.59	19.80	30.39	46.00	-15.61	peak
6	575.9706	16.70	26.38	43.08	46.00	-2.92	peak
7	921.9072	10.94	31.39	42.33	46.00	-3.67	peak

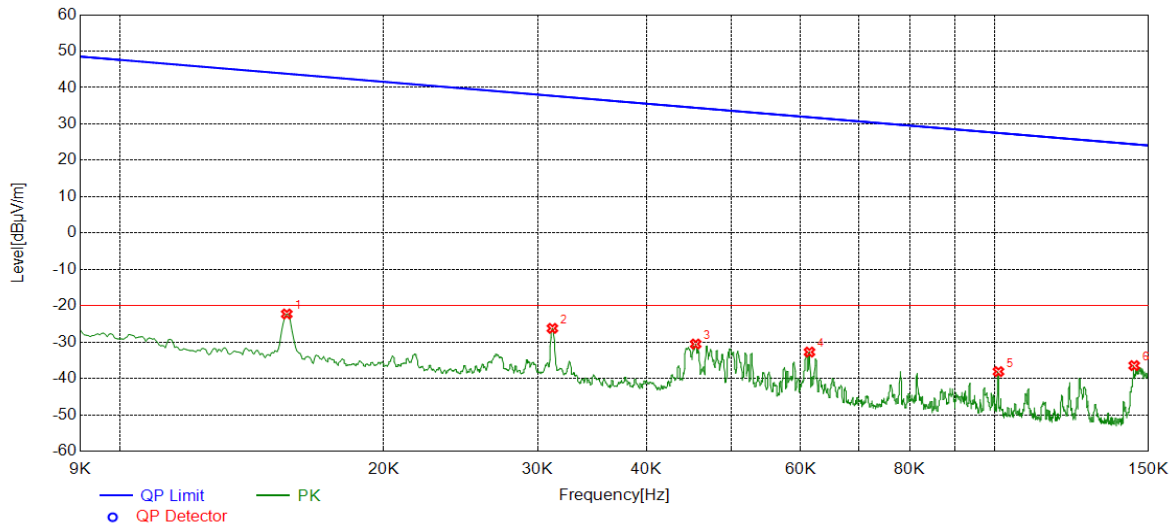
Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
3. Measurement = Reading Level + Correct Factor.



Part VI: 9KHz~30MHz

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

Test Mode	Channel	Frequency Range	Verdict
11 AC40 MIMO	5670	9KHz~150KHz	PASS

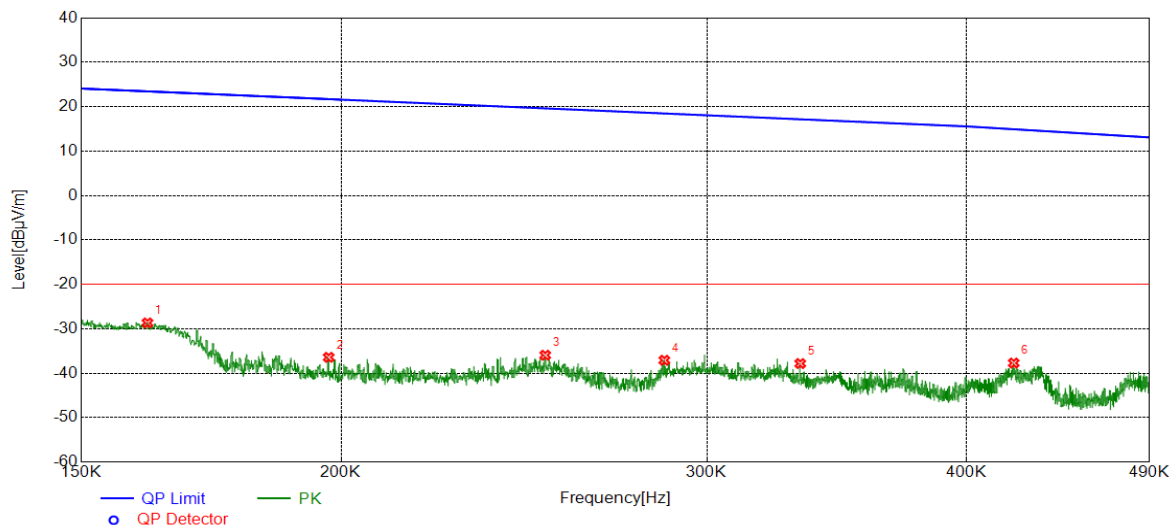


No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0155	39.62	-61.89	-22.27	43.77	-66.04	peak
2	0.0312	35.52	-61.74	-26.22	37.71	-63.93	peak
3	0.0455	31.21	-61.74	-30.53	34.43	-64.96	peak
4	0.0614	29.03	-61.77	-32.74	31.84	-64.58	peak
5	0.1010	23.71	-61.82	-38.11	27.52	-65.63	peak
6	0.1444	25.38	-61.84	-36.46	24.41	-60.87	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



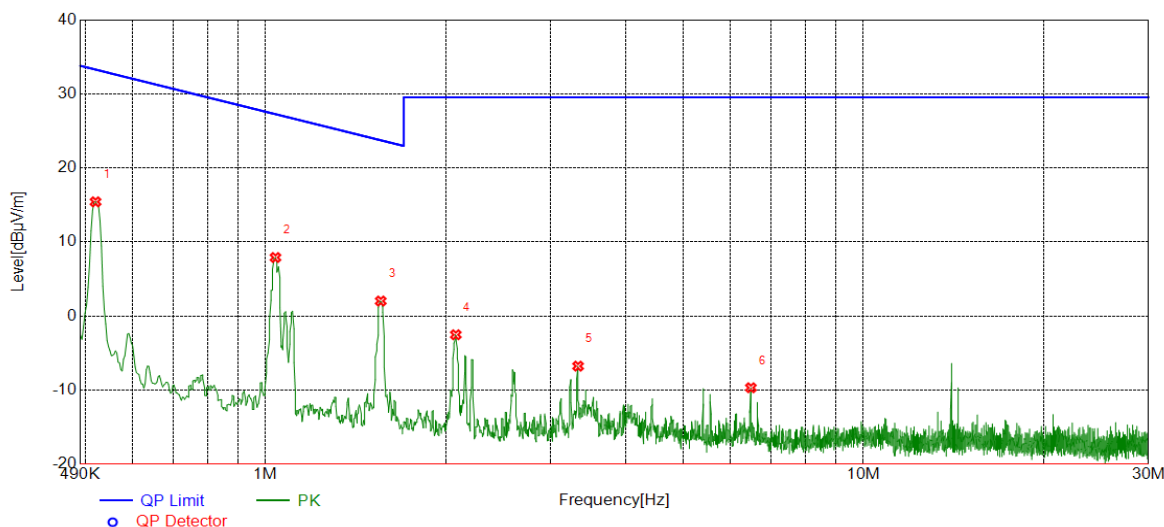
Test Mode	Channel	Frequency Range	Verdict
11 AC40 MIMO	5670	150KHz~490Hz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1614	33.18	-61.85	-28.67	23.45	-52.12	peak
2	0.1973	25.44	-61.86	-36.42	21.70	-58.12	peak
3	0.2508	25.94	-61.88	-35.94	19.61	-55.55	peak
4	0.2862	24.82	-61.90	-37.08	18.47	-55.55	peak
5	0.3327	24.08	-61.90	-37.82	17.16	-54.98	peak
6	0.4215	24.20	-61.90	-37.70	14.92	-52.62	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

Test Mode	Channel	Frequency Range	Verdict
11 AC40 MIMO	5670	490KHz~30MHz	PASS



No.	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.5195	37.31	-21.89	15.42	33.29	-17.87	peak
2	1.0389	29.76	-21.86	7.90	27.27	-19.37	peak
3	1.5584	23.85	-21.83	2.02	23.75	-21.73	peak
4	2.0807	19.27	-21.80	-2.53	29.54	-32.07	peak
5	3.3321	15.00	-21.77	-6.77	29.54	-36.31	peak
6	6.4841	12.02	-21.71	-9.69	29.54	-39.23	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



8. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation

TEST SETUP AND PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

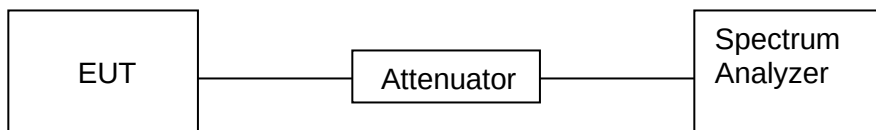
Center Frequency	The center frequency of the channel under test
Detector	PEAK
RBW	10kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is -10°C~45°C.

TEST SETUP





TEST RESULTS

Not applicable, the customer will declare the extreme used temperature and voltage in the user manual.

TEST RESULTS (WORST-CASE CONFIGURATION)

Frequency Error vs. Voltage:

Frequency Error vs. Voltage									
802.11AC80:5290MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5290.02	3.78	5290.01	1.89	5290.00	0.00	5289.97	-5.67
TN	VN	5289.96	-7.56	5290.00	0.00	5289.99	-1.89	5289.99	-1.89
TN	VH	5290.03	5.67	5289.99	-1.89	5290.00	0.00	5290.00	0.00

Frequency Error vs. Temperature									
802.11AC80:5290MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
45	VN	5290.00	0.00	5289.97	-5.67	5290.00	0.00	5289.98	-3.78
40	VN	5290.03	5.67	5290.00	0.00	5290.01	1.89	5290.00	0.00
30	VN	5289.99	-1.89	5289.99	-1.89	5289.99	-1.89	5289.98	-3.78
20	VN	5289.97	-5.67	5290.00	0.00	5290.00	0.00	5290.02	3.78
10	VN	5289.98	-3.78	5289.99	-1.89	5290.00	0.00	5290.00	0.00
0	VN	5290.04	7.56	5290.02	3.78	5289.96	-7.56	5290.01	1.89
-10	VN	5289.99	-1.89	5289.97	-5.67	5290.02	3.78	5290.00	0.00

Note 1: All the modulation and channels had been tested, but only the worst data recorded in the report.



9. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		



LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

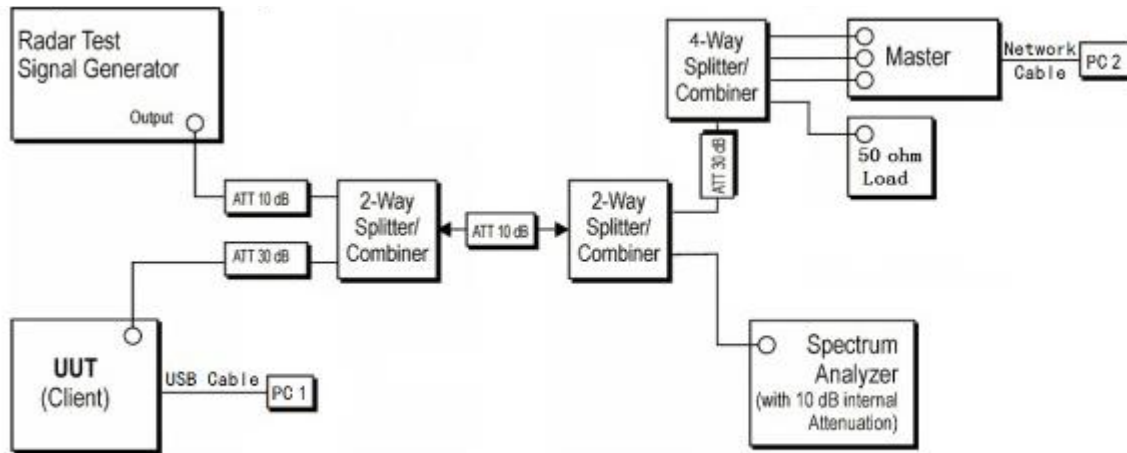
Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right)^* \right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

TEST SETUP

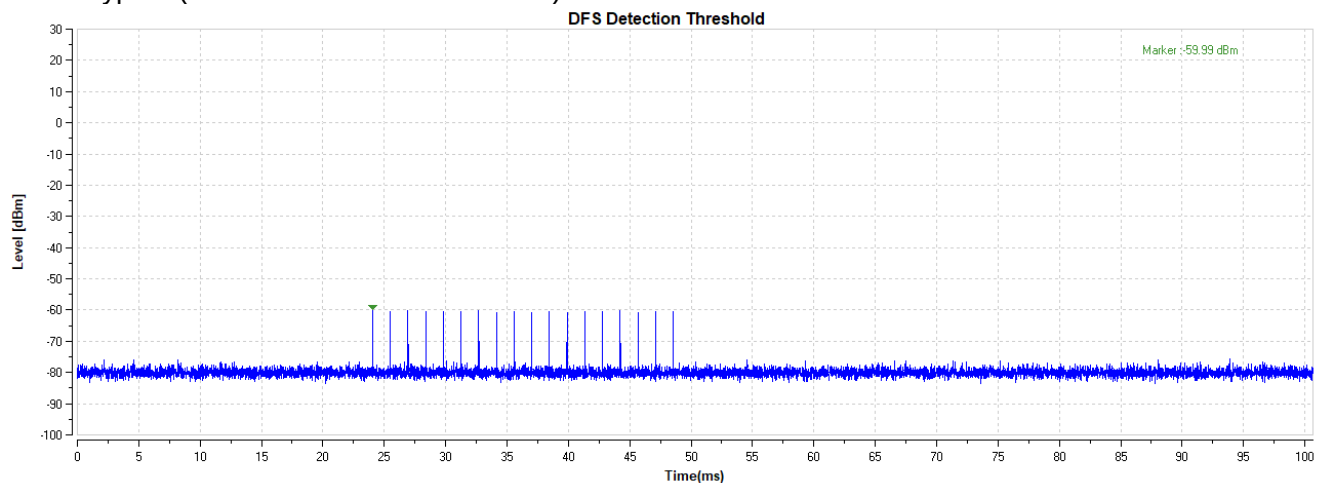
Setup for Client with injection at the Master



TEST RESULTS

DFS Detection Threshold levels
DFS Threshold Level: -58.90
The Interference Radar Detection Threshold Level is $(-60.82\text{dBm}) + (0.92 [\text{dBi}]) + \{1 \text{ dB}\} = -58.90 \text{ dBm}$. That had been taken into account the master output power range and antenna gain.

Radar Type 0 (802.11AC 80MHz / 5290MHz)

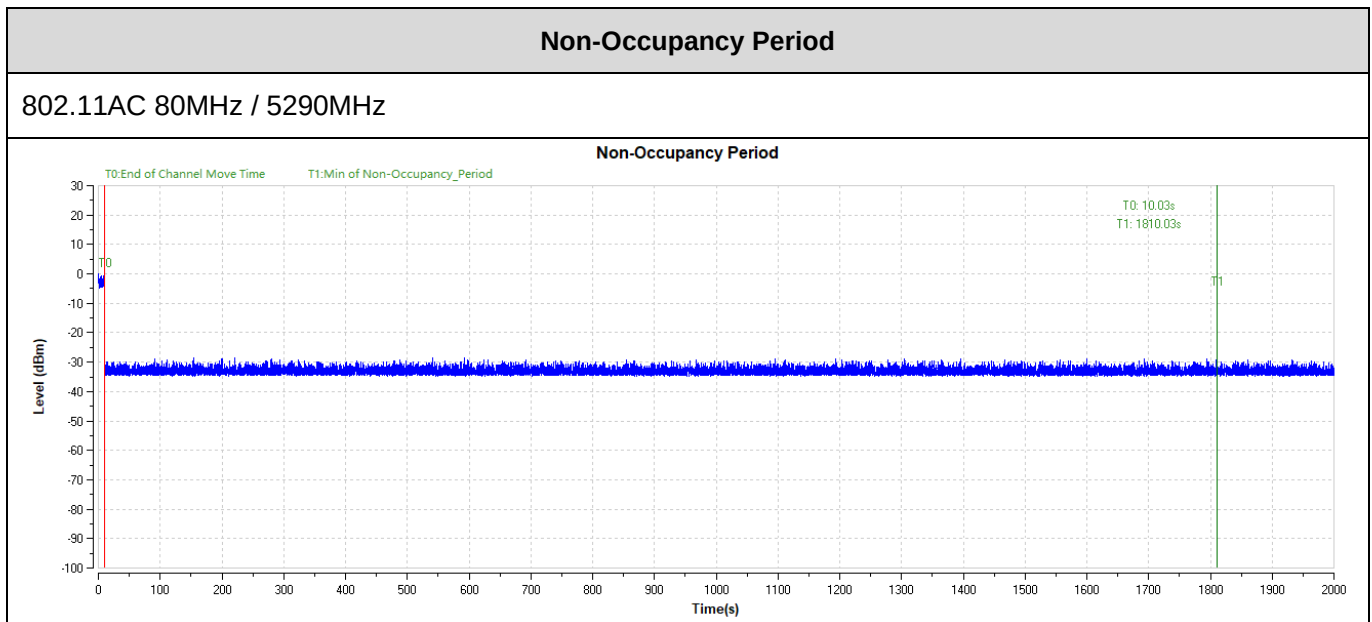
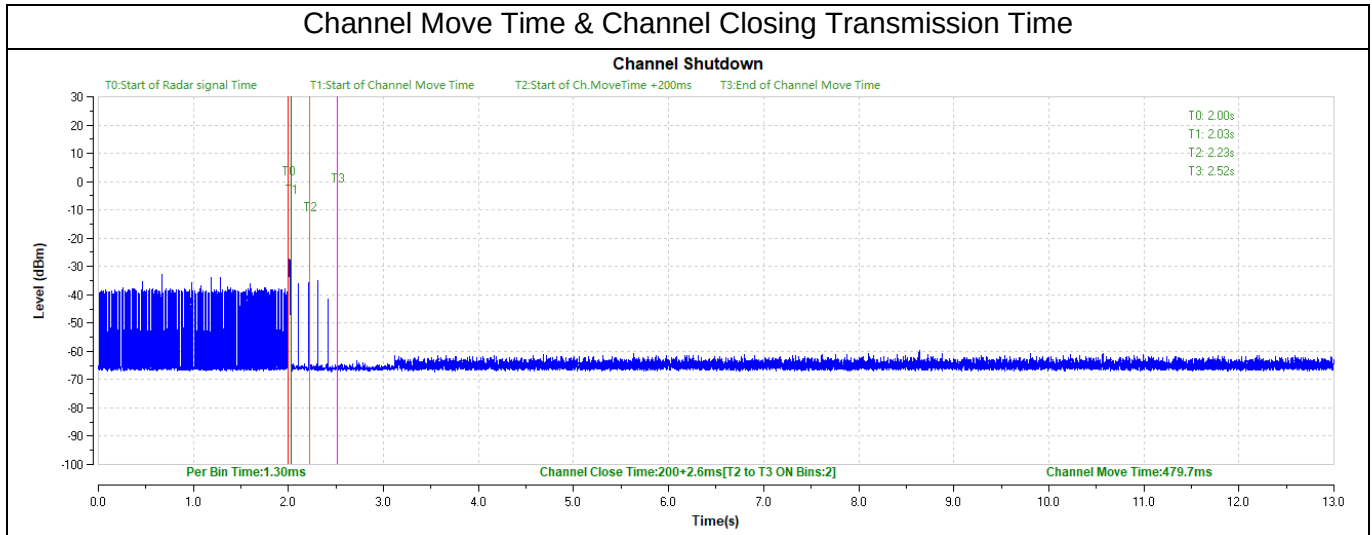




Test Data

BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5290MHz	Channel Move Time	0.4797 s	<10 s	pass
	Channel Closing Transmission Time	0.49 s	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.	pass

Test plots as follows:



Note 1: All the modulation and channels had been tested, but only the worst data recorded in the report.

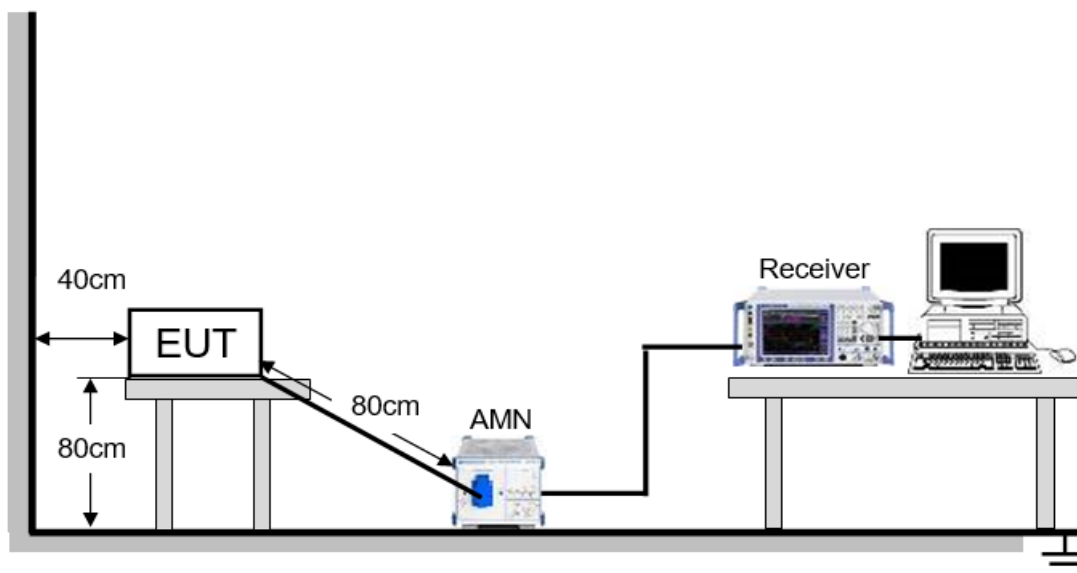
10.AC POWER LINE CONDUCTED EMISSIONS

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 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.

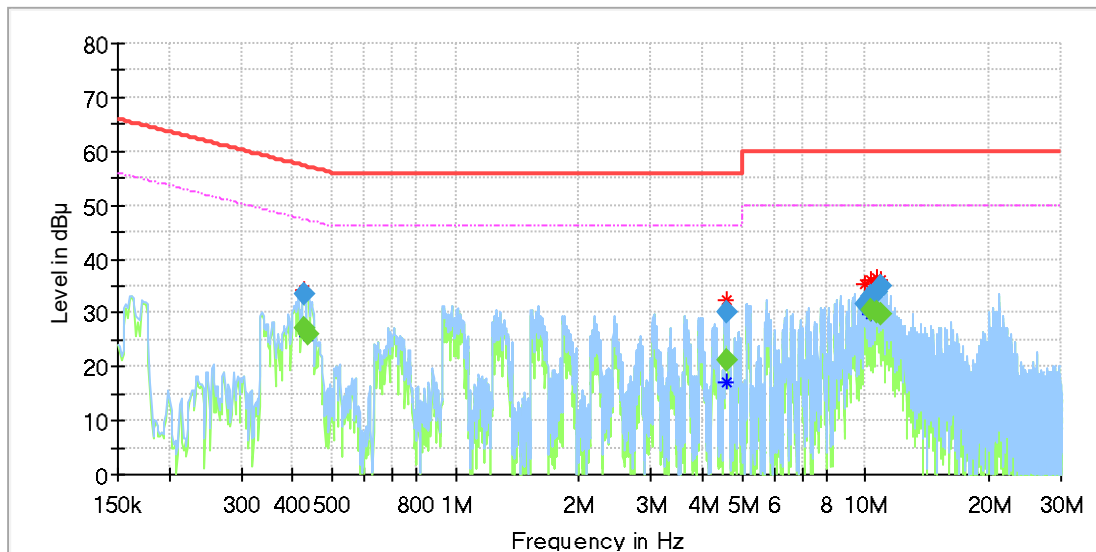


TEST ENVIRONMENT:

Environment Parameter	Selected Values During Tests
Relative Humidity	61.3%
Atmospheric Pressure:	103KPa
Temperature	19.1

TEST RESULTS (WORST CASE CONFIGURATION)

For L Line:

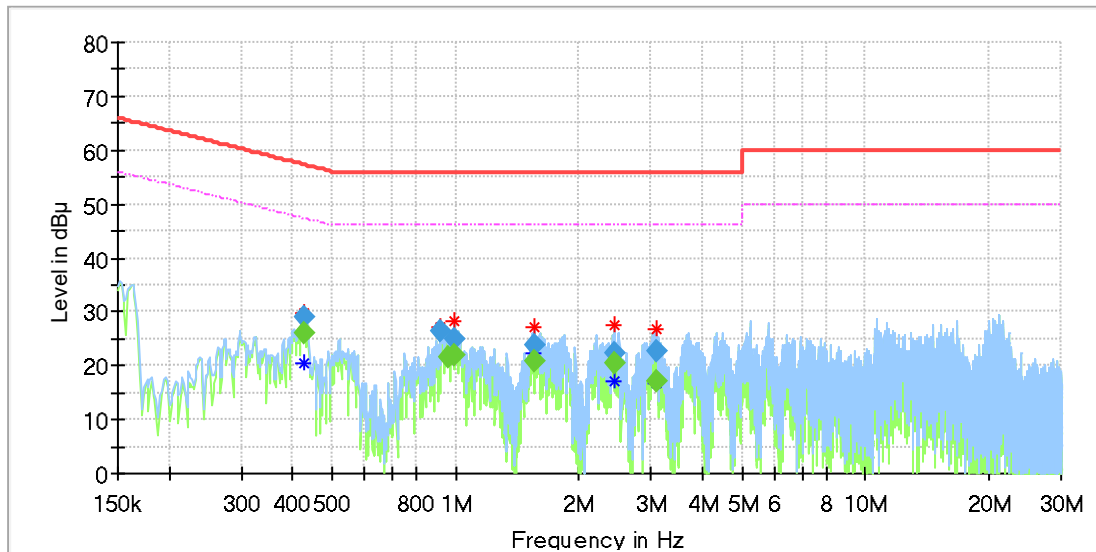


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.426113	---	27.24	47.33	20.09	1000.0	9.000	L1	OFF	9.8
0.426113	33.55	---	57.33	23.78	1000.0	9.000	L1	OFF	9.8
0.436560	---	26.17	47.13	20.96	1000.0	9.000	L1	OFF	9.7
4.564815	30.12	---	56.00	25.88	1000.0	9.000	L1	OFF	9.8
4.564815	---	21.17	46.00	24.83	1000.0	9.000	L1	OFF	9.8
10.013933	31.44	---	60.00	28.56	1000.0	9.000	L1	OFF	9.4
10.321388	33.29	---	60.00	26.71	1000.0	9.000	L1	OFF	9.4
10.321388	---	30.60	50.00	19.40	1000.0	9.000	L1	OFF	9.4
10.613918	33.70	---	60.00	26.30	1000.0	9.000	L1	OFF	9.4
10.613918	---	30.30	50.00	19.70	1000.0	9.000	L1	OFF	9.4
10.916895	---	29.78	50.00	20.22	1000.0	9.000	L1	OFF	9.4
10.916895	35.16	---	60.00	24.84	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 5670 channel of 11AC 40 MIMO 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)
0.426113	---	26.07	47.33	21.26	1000.0	9.000	N	OFF	9.5
0.426113	28.89	---	57.33	28.43	1000.0	9.000	N	OFF	9.5
0.921623	26.27	---	56.00	29.73	1000.0	9.000	N	OFF	9.5
0.960428	---	21.43	46.00	24.57	1000.0	9.000	N	OFF	9.5
0.993263	24.97	---	56.00	31.03	1000.0	9.000	N	OFF	9.6
0.993263	---	22.06	46.00	23.94	1000.0	9.000	N	OFF	9.6
1.561905	---	20.69	46.00	25.31	1000.0	9.000	N	OFF	9.5
1.563398	23.97	---	56.00	32.03	1000.0	9.000	N	OFF	9.5
2.442480	22.34	---	56.00	33.66	1000.0	9.000	N	OFF	9.6
2.442480	---	20.32	46.00	25.68	1000.0	9.000	N	OFF	9.6
3.102165	---	17.18	46.00	28.82	1000.0	9.000	N	OFF	9.7
3.102165	22.71	---	56.00	33.29	1000.0	9.000	N	OFF	9.7

- 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 5670 channel of 11AC 40 MIMO mode which is the worst case, so only the worst case is included in this test report.



11. 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 two Street-lamp-camera antennas.

ANTENNA GAIN

The antenna gain of EUT is more than 6 dBi, so the power and power density limit shall be reduced amount in dB that the directional gain of the antenna exceeds 6dBi.

END OF REPORT