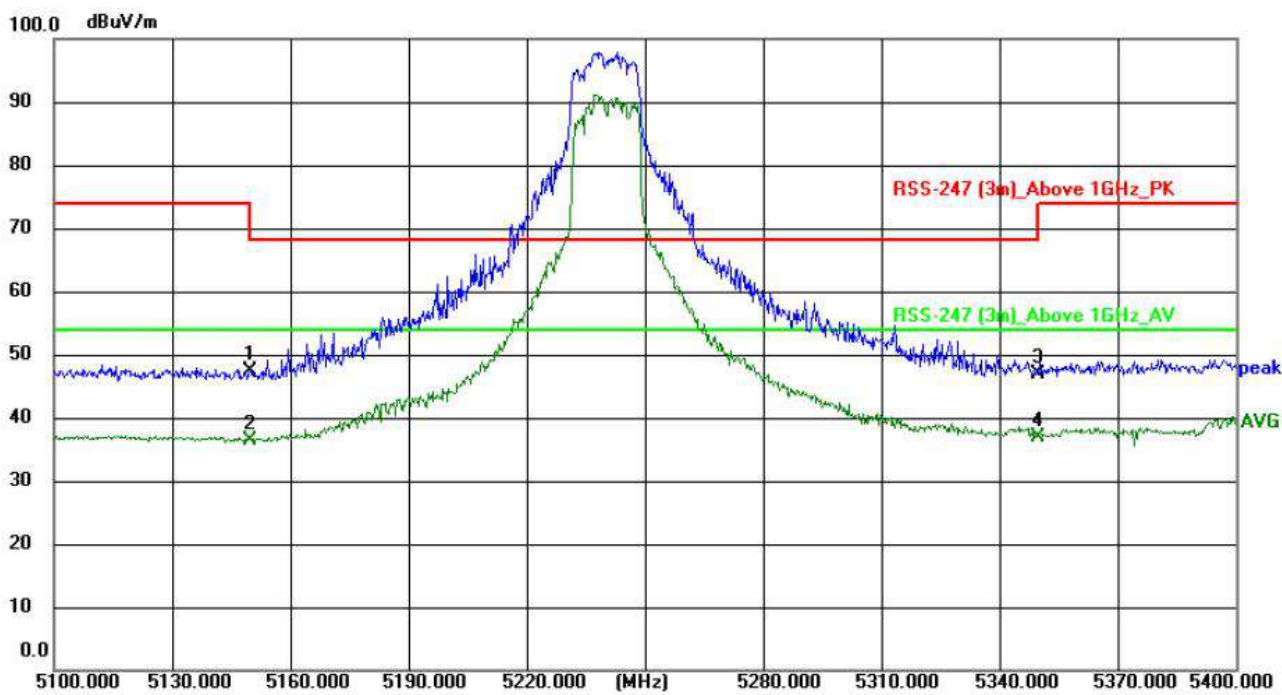
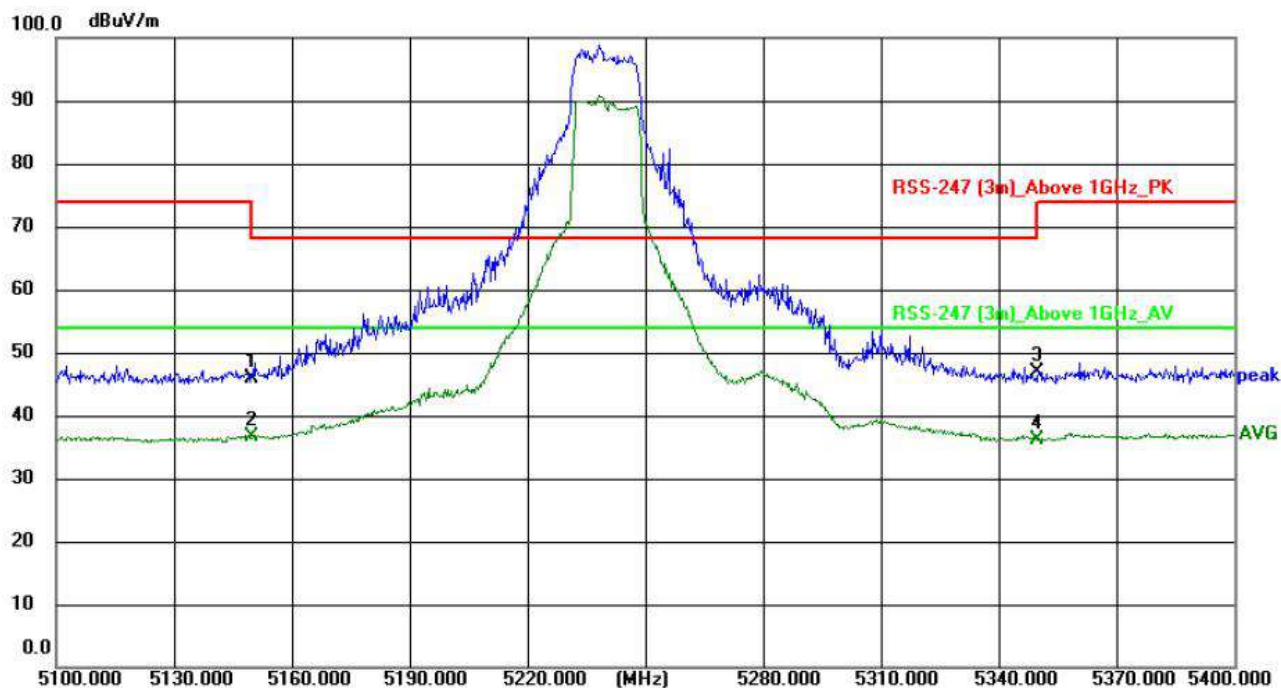


Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 a (5240MHz)



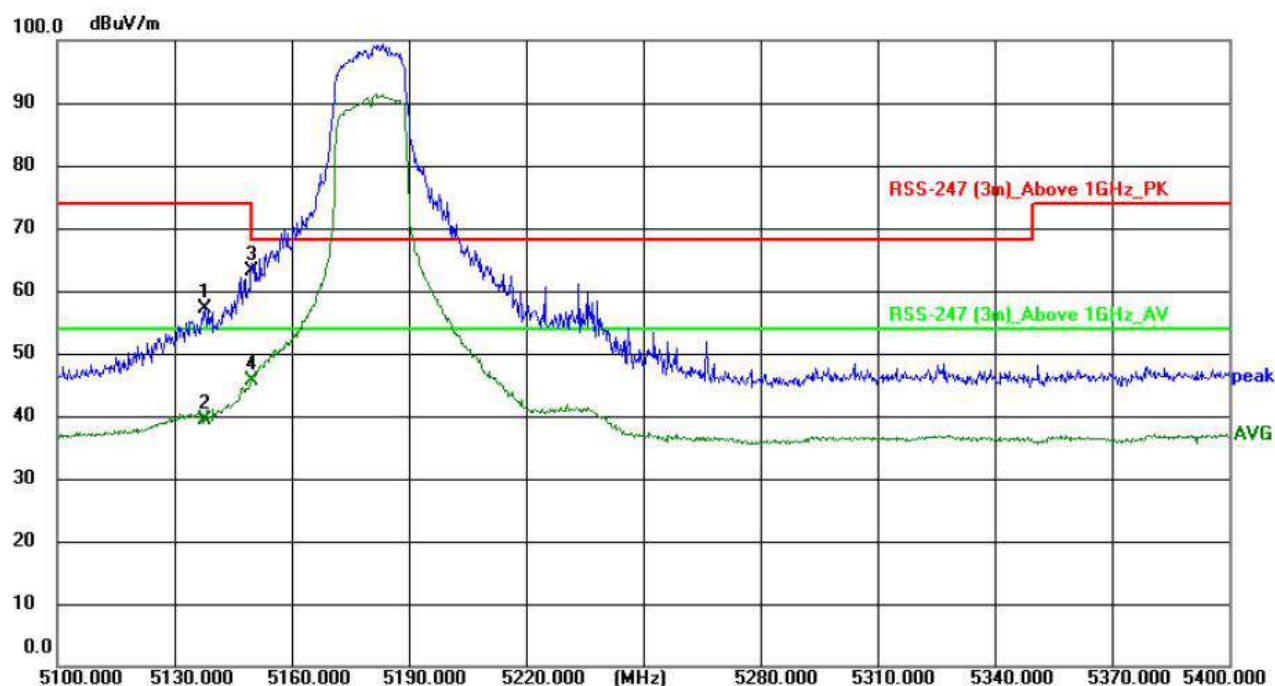
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	41.55	5.77	47.32	68.20	-20.88	peak
2	5150.000	30.73	5.77	36.50	54.00	-17.50	AVG
3	5350.000	40.68	6.28	46.96	68.20	-21.24	peak
4	5350.000	30.58	6.28	36.86	54.00	-17.14	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 a (5240MHz)



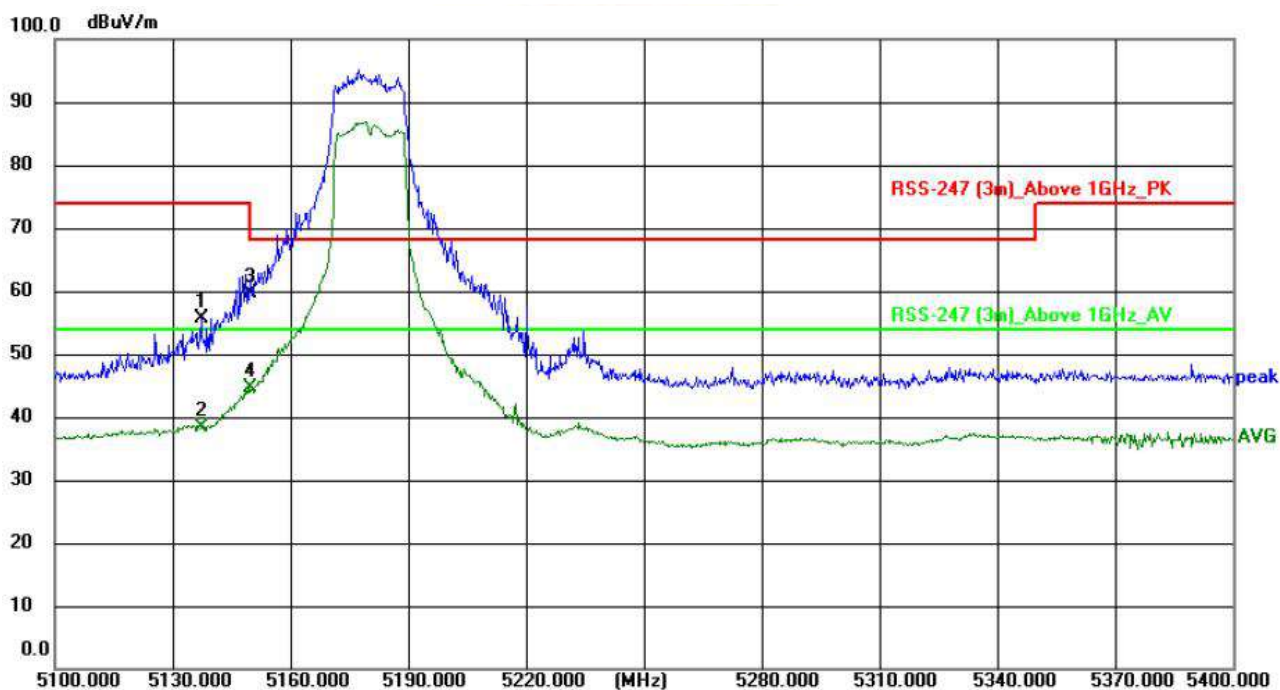
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	39.99	5.77	45.76	68.20	-22.44	peak
2	5150.000	30.92	5.77	36.69	54.00	-17.31	AVG
3	5350.000	40.52	6.28	46.80	68.20	-21.40	peak
4	5350.000	29.92	6.28	36.20	54.00	-17.80	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n20 (5180MHz)



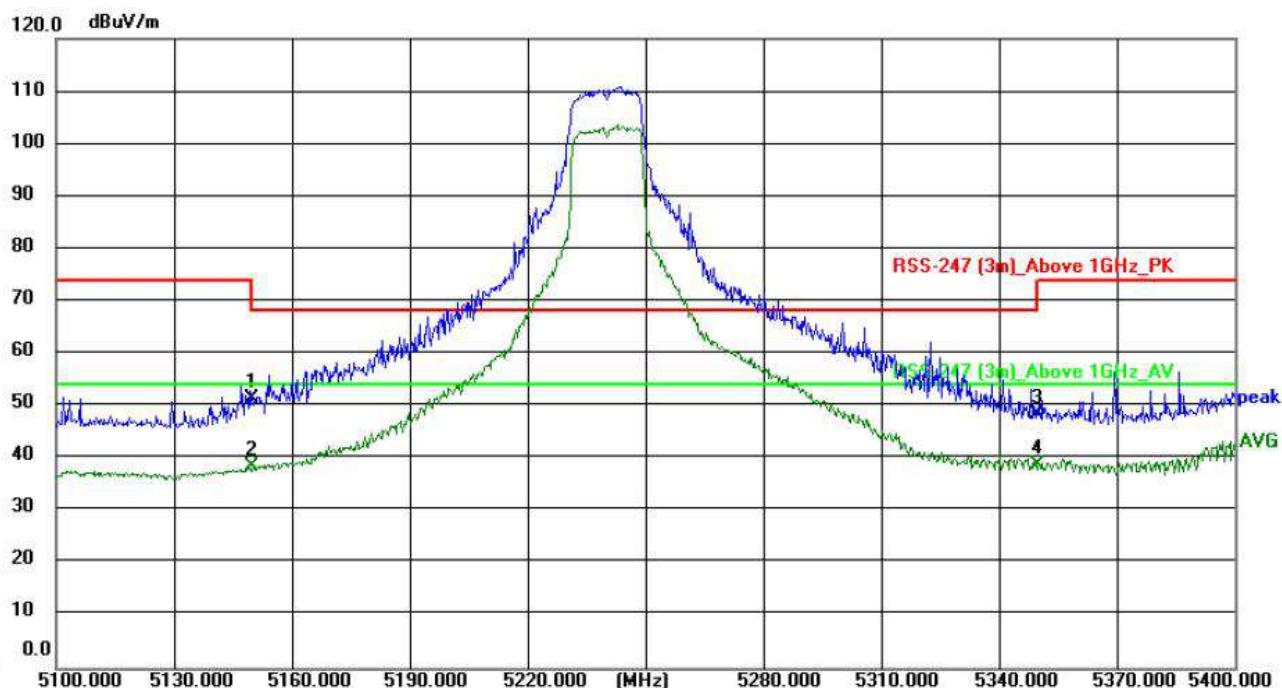
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5137.800	51.43	5.69	57.12	74.00	-16.88	peak
2	5137.800	33.79	5.69	39.48	54.00	-14.52	AVG
3	5150.000	57.25	5.77	63.02	68.20	-5.18	peak
4	5150.000	39.83	5.77	45.60	54.00	-8.40	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n20 (5180MHz)



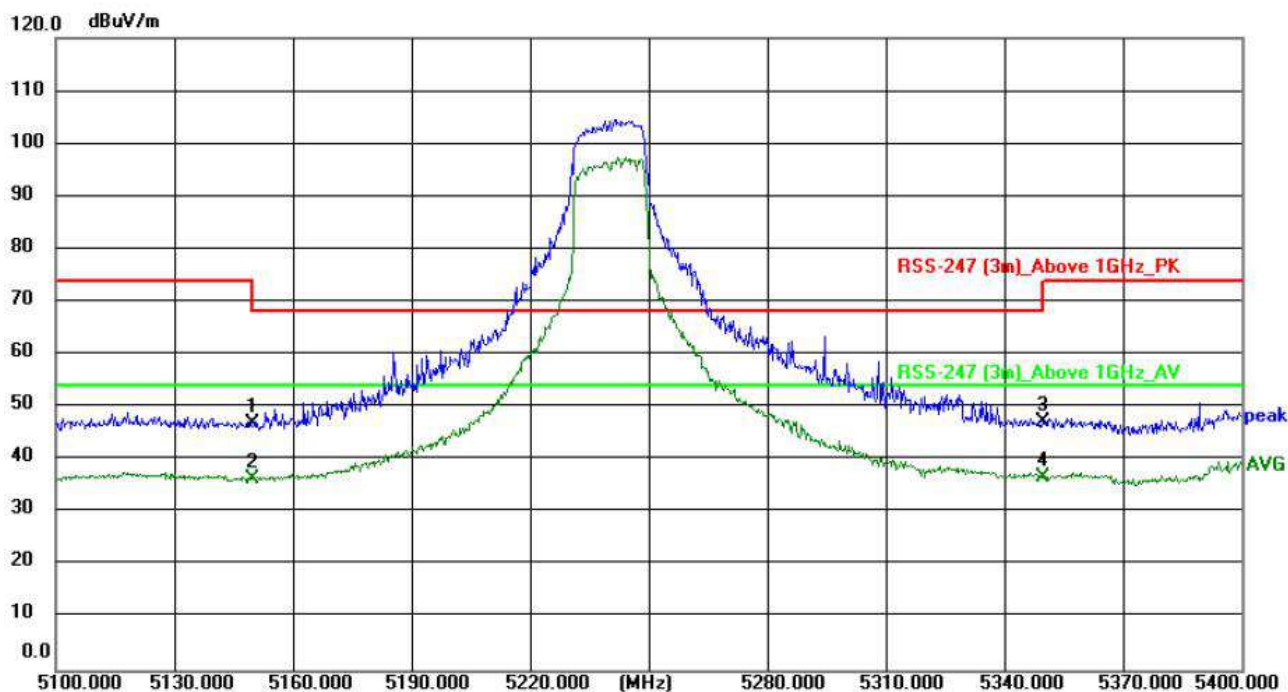
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5137.200	50.01	5.69	55.70	74.00	-18.30	peak
2	5137.200	32.67	5.69	38.36	54.00	-15.64	AVG
3	5150.000	53.93	5.77	59.70	68.20	-8.50	peak
4	5150.000	38.83	5.77	44.60	54.00	-9.40	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n20 (5240MHz)



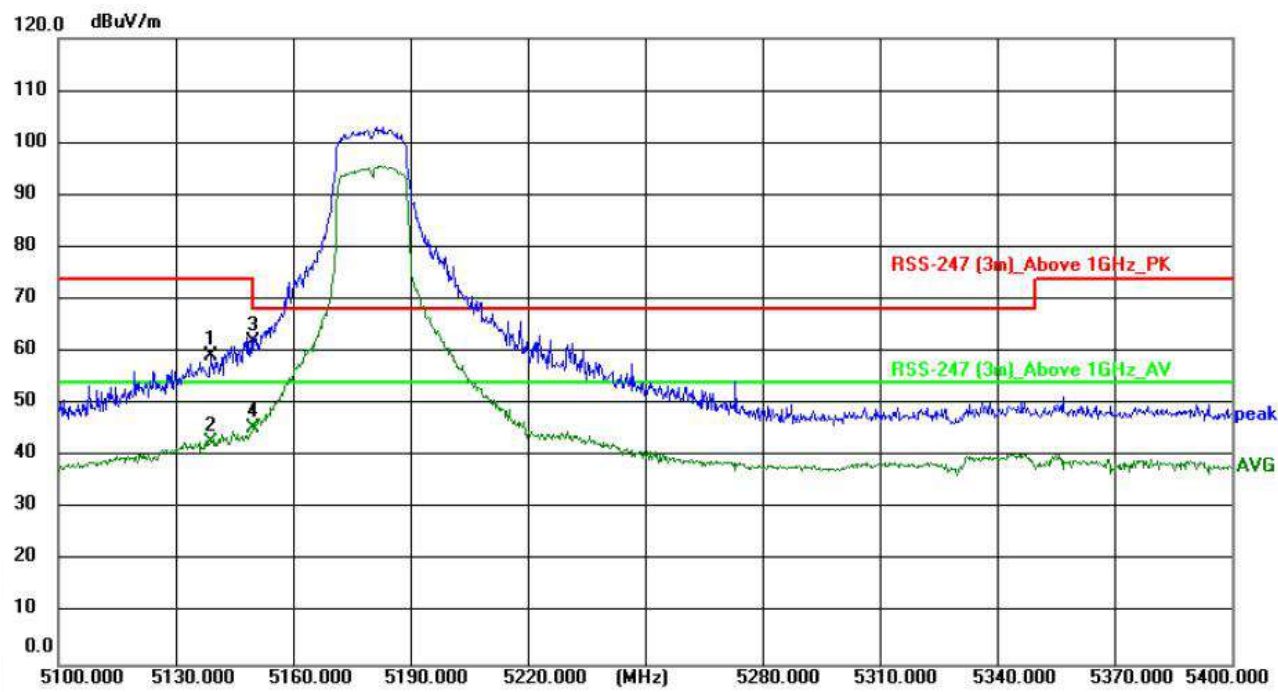
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	45.75	5.77	51.52	68.20	-16.68	peak
2	5150.000	32.65	5.77	38.42	54.00	-15.58	AVG
3	5350.000	42.14	6.28	48.42	68.20	-19.78	peak
4	5350.000	32.42	6.28	38.70	54.00	-15.30	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n20 (5240MHz)



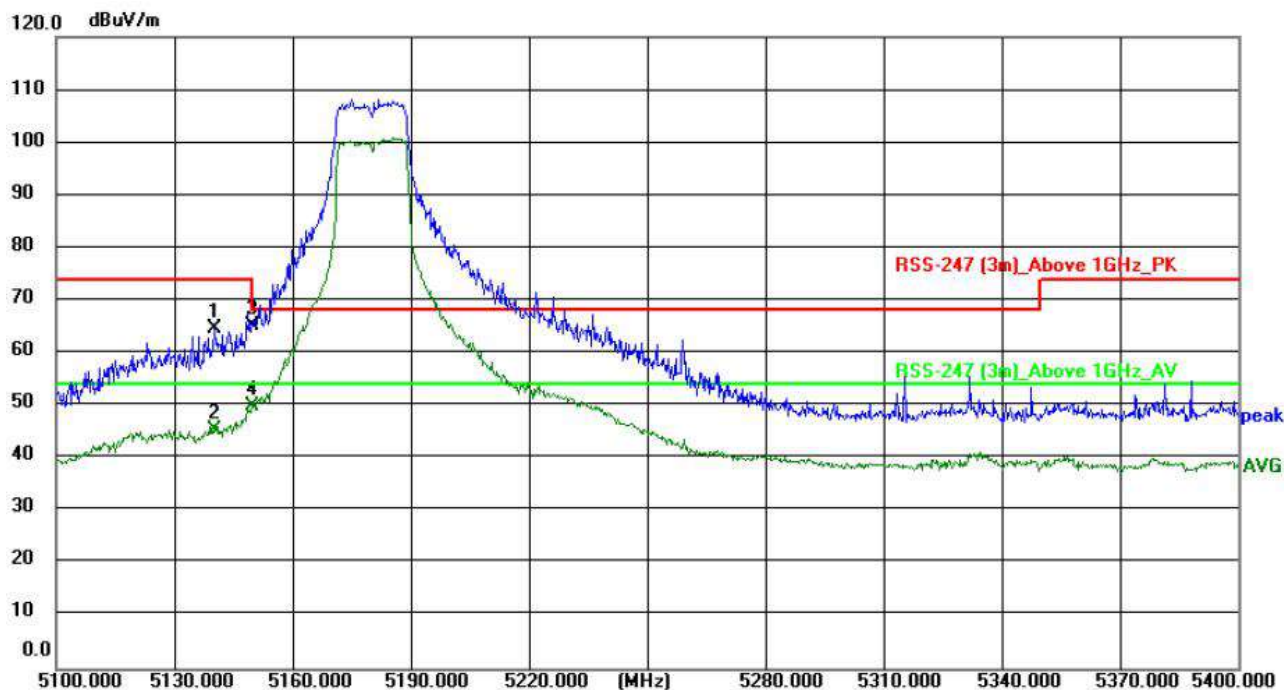
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	41.11	5.77	46.88	68.20	-21.32	peak
2	5150.000	30.75	5.77	36.52	54.00	-17.48	AVG
3	5350.000	41.05	6.28	47.33	68.20	-20.87	peak
4	5350.000	30.38	6.28	36.66	54.00	-17.34	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5180MHz)



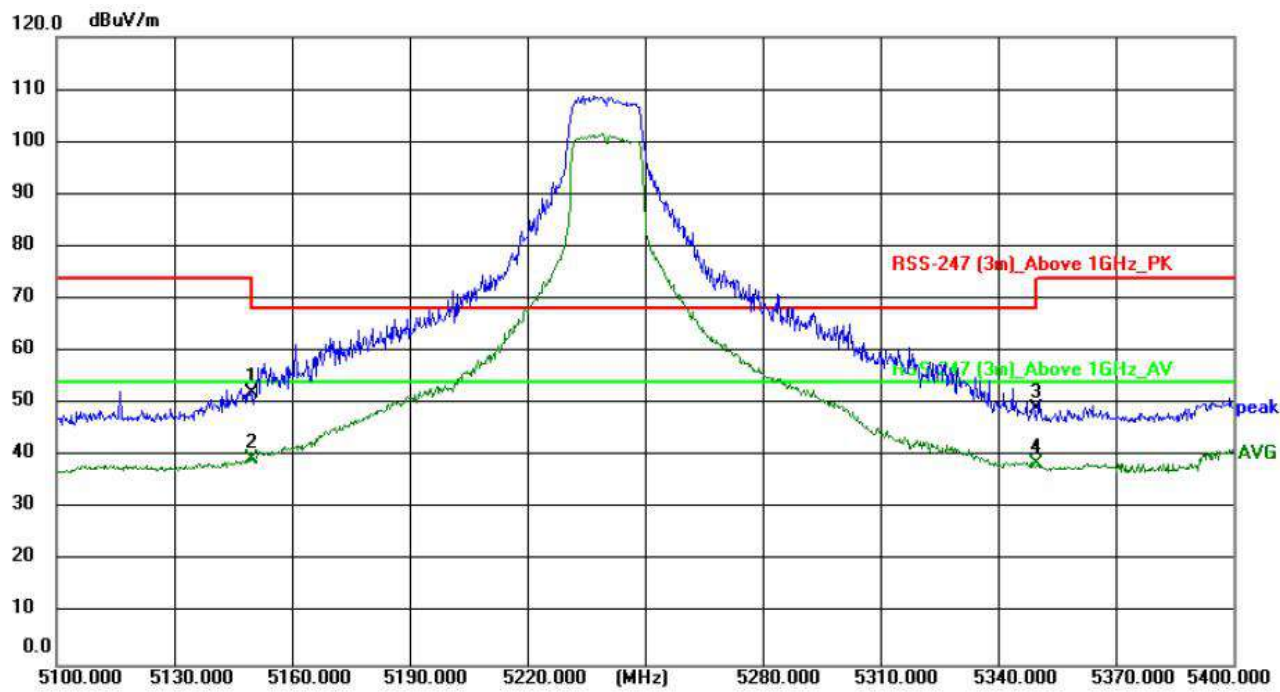
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5139.000	53.61	5.71	59.32	74.00	-14.68	peak
2	5139.000	36.93	5.71	42.64	54.00	-11.36	AVG
3	5150.000	56.22	5.77	61.99	68.20	-6.21	peak
4	5150.000	39.64	5.77	45.41	54.00	-8.59	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5180MHz)



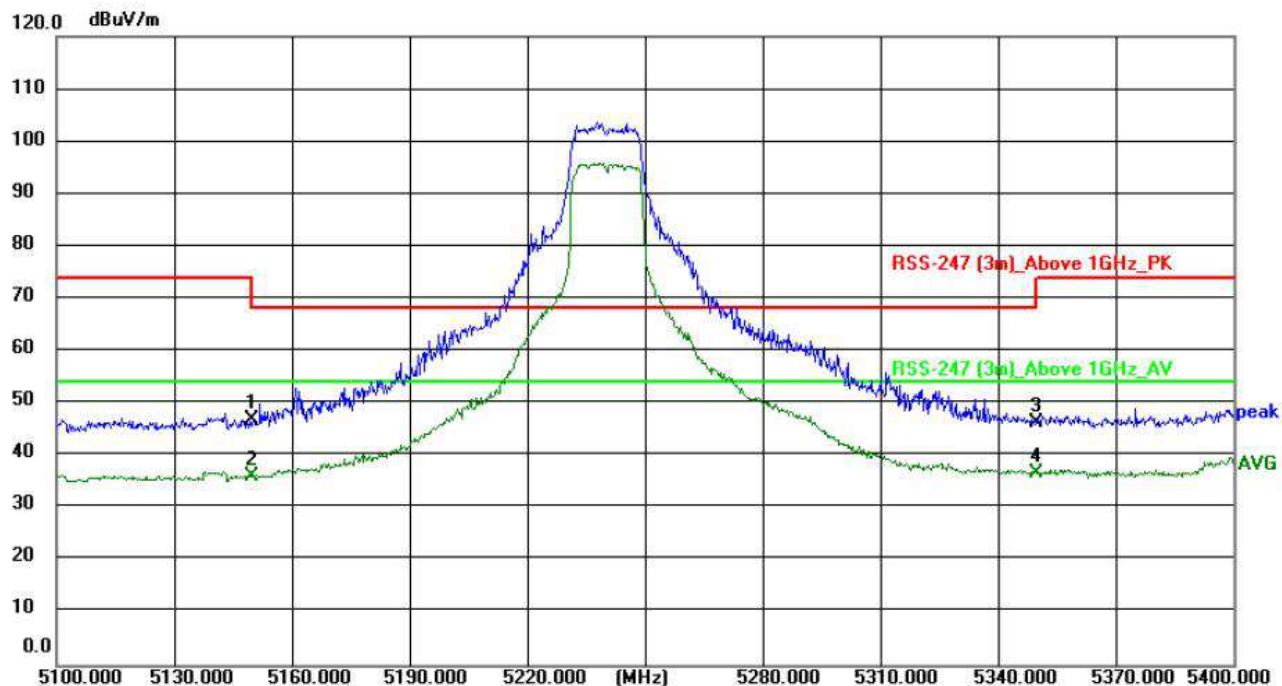
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5140.200	58.81	5.71	64.52	74.00	-9.48	peak
2	5140.200	39.73	5.71	45.44	54.00	-8.56	AVG
3	5150.000	59.48	5.77	65.25	68.20	-2.95	peak
4	5150.000	44.26	5.77	50.03	54.00	-3.97	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5240MHz)



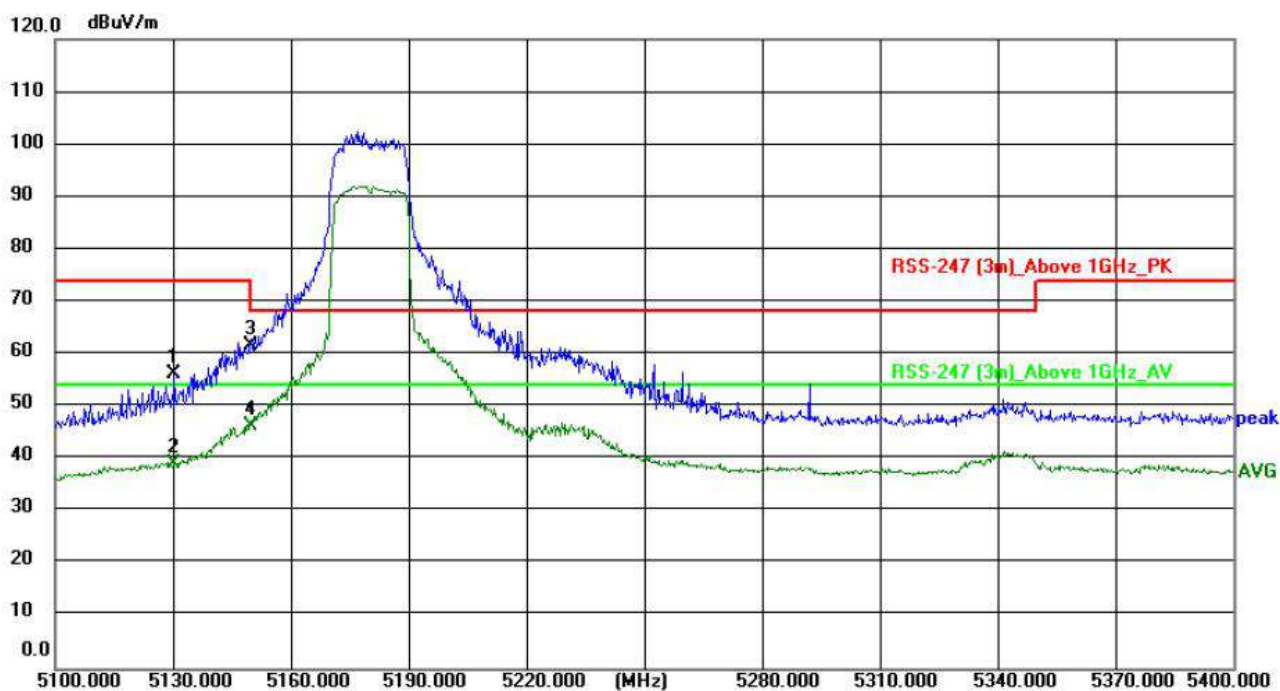
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	46.26	5.77	52.03	68.20	-16.17	peak
2	5150.000	33.59	5.77	39.36	54.00	-14.64	AVG
3	5350.000	42.68	6.28	48.96	68.20	-19.24	peak
4	5350.000	32.24	6.28	38.52	54.00	-15.48	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5240MHz)



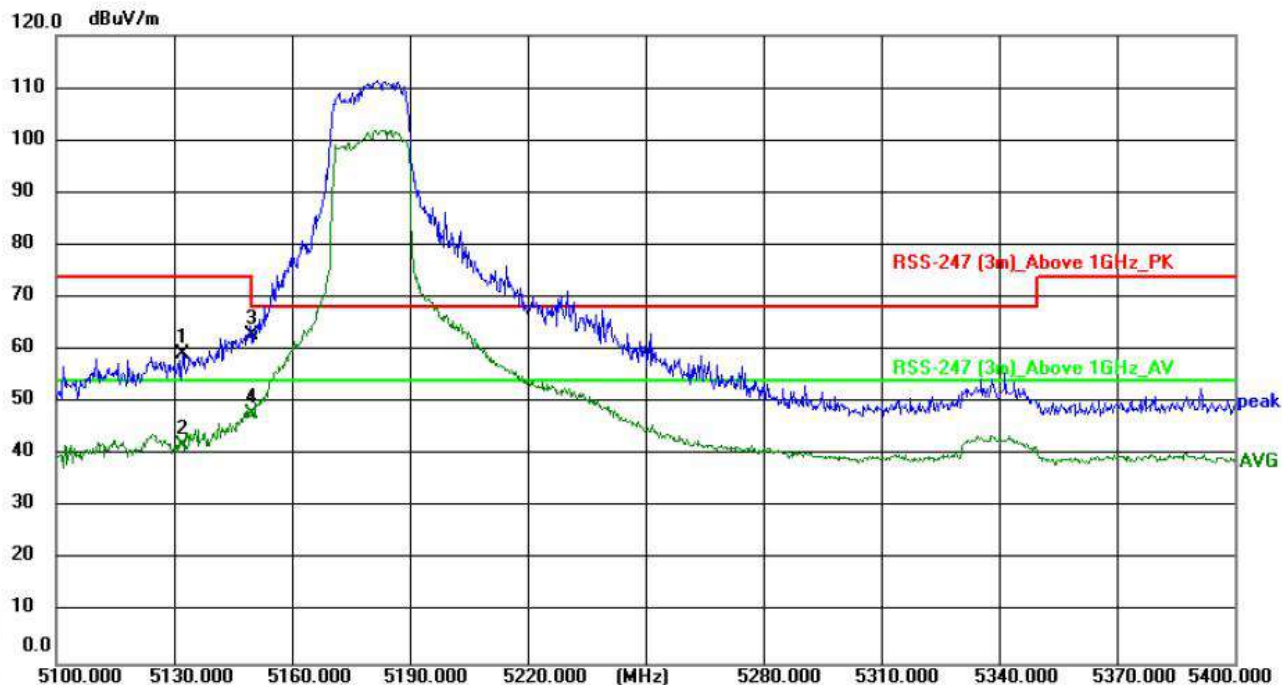
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	41.08	5.77	46.85	68.20	-21.35	peak
2	5150.000	30.35	5.77	36.12	54.00	-17.88	AVG
3	5350.000	40.05	6.28	46.33	68.20	-21.87	peak
4	5350.000	30.40	6.28	36.68	54.00	-17.32	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5180MHz)



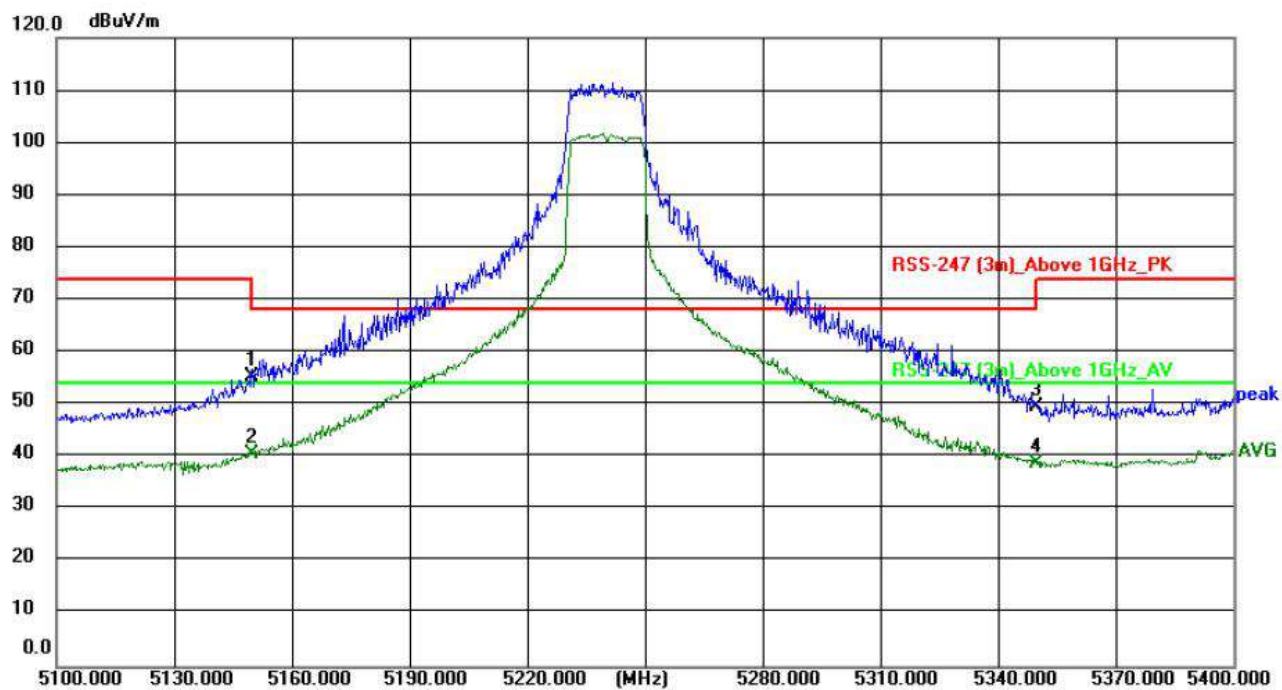
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5130.300	50.56	5.66	56.22	74.00	-17.78	peak
2	5130.300	33.44	5.66	39.10	54.00	-14.90	AVG
3	5150.000	55.98	5.77	61.75	68.20	-6.45	peak
4	5150.000	40.45	5.77	46.22	54.00	-7.78	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5180MHz)



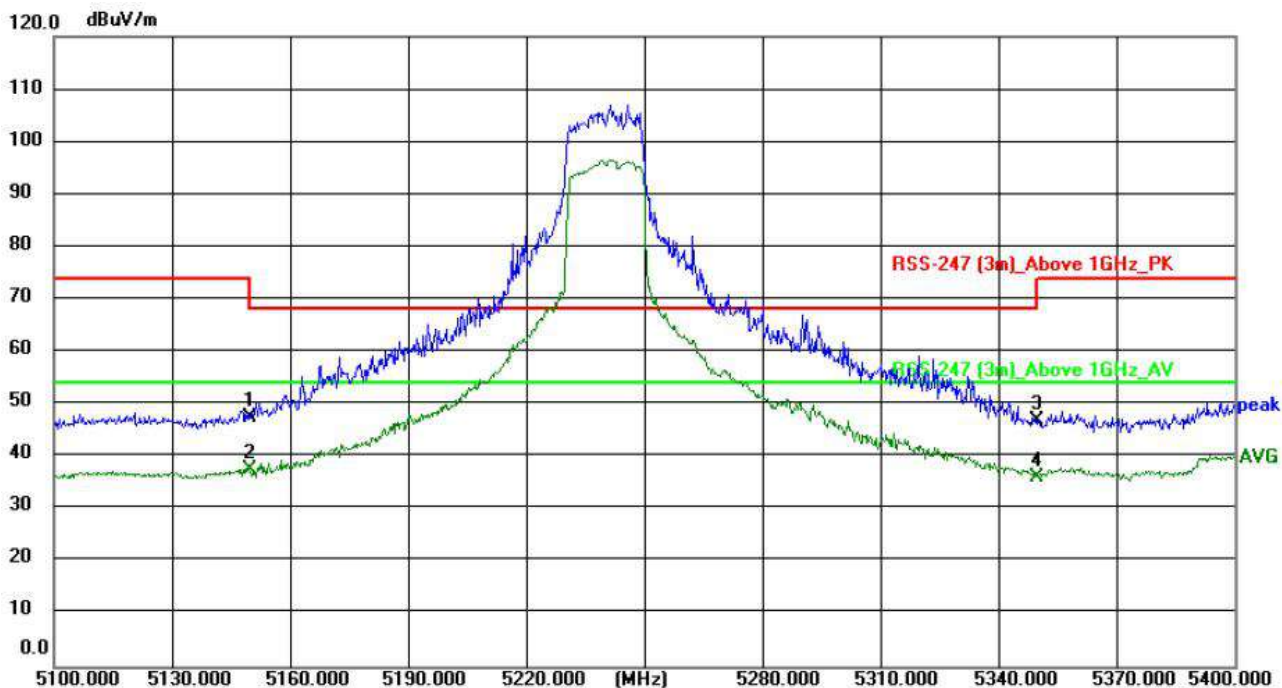
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5132.100	53.68	5.67	59.35	74.00	-14.65	peak
2	5132.100	36.25	5.67	41.92	54.00	-12.08	AVG
3	5150.000	57.01	5.77	62.78	68.20	-5.42	peak
4	5150.000	41.98	5.77	47.75	54.00	-6.25	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5240MHz)



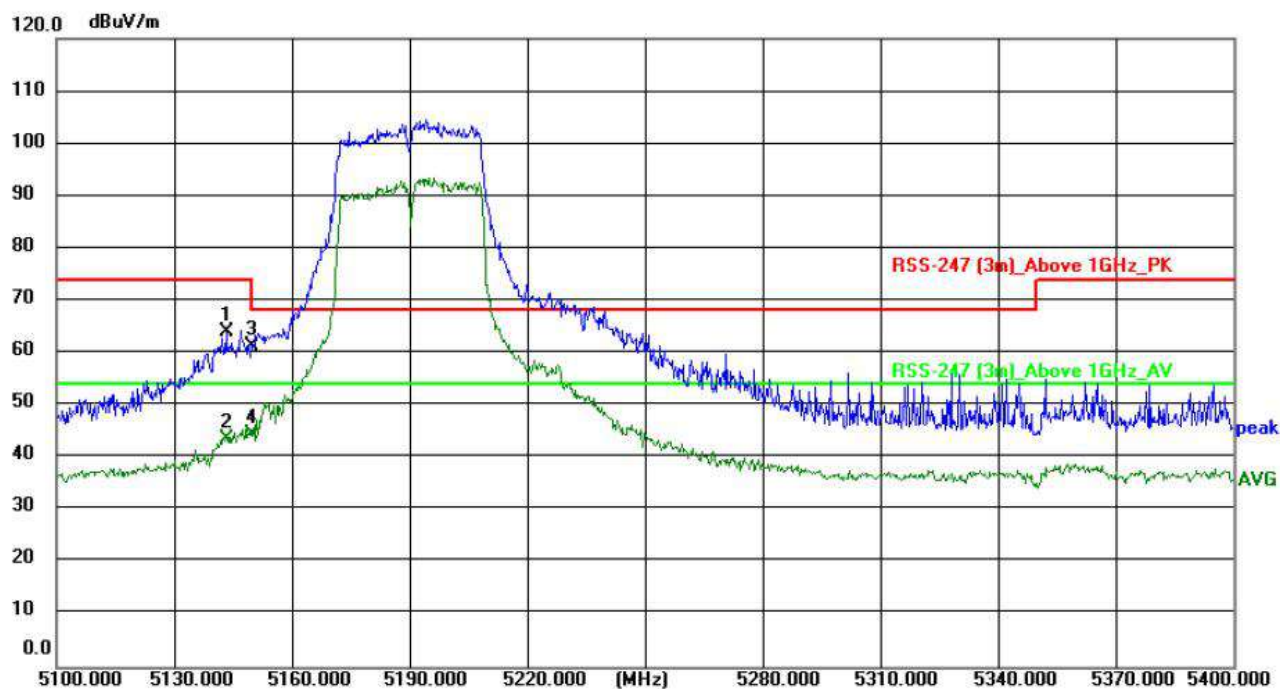
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	49.65	5.77	55.42	68.20	-12.78	peak
2	5150.000	34.79	5.77	40.56	54.00	-13.44	AVG
3	5350.000	43.49	6.28	49.77	68.20	-18.43	peak
4	5350.000	32.59	6.28	38.87	54.00	-15.13	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5240MHz)



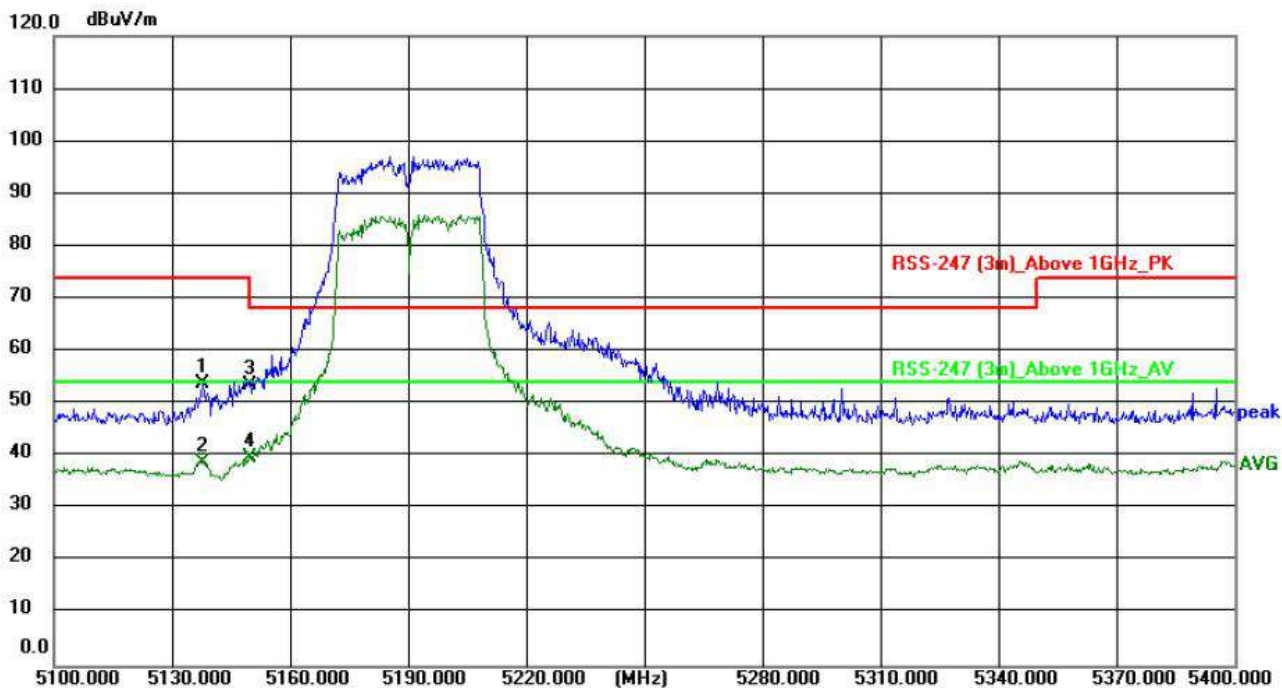
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	41.72	5.77	47.49	68.20	-20.71	peak
2	5150.000	32.03	5.77	37.80	54.00	-16.20	AVG
3	5350.000	40.82	6.28	47.10	68.20	-21.10	peak
4	5350.000	29.85	6.28	36.13	54.00	-17.87	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 n40 (5190MHz)



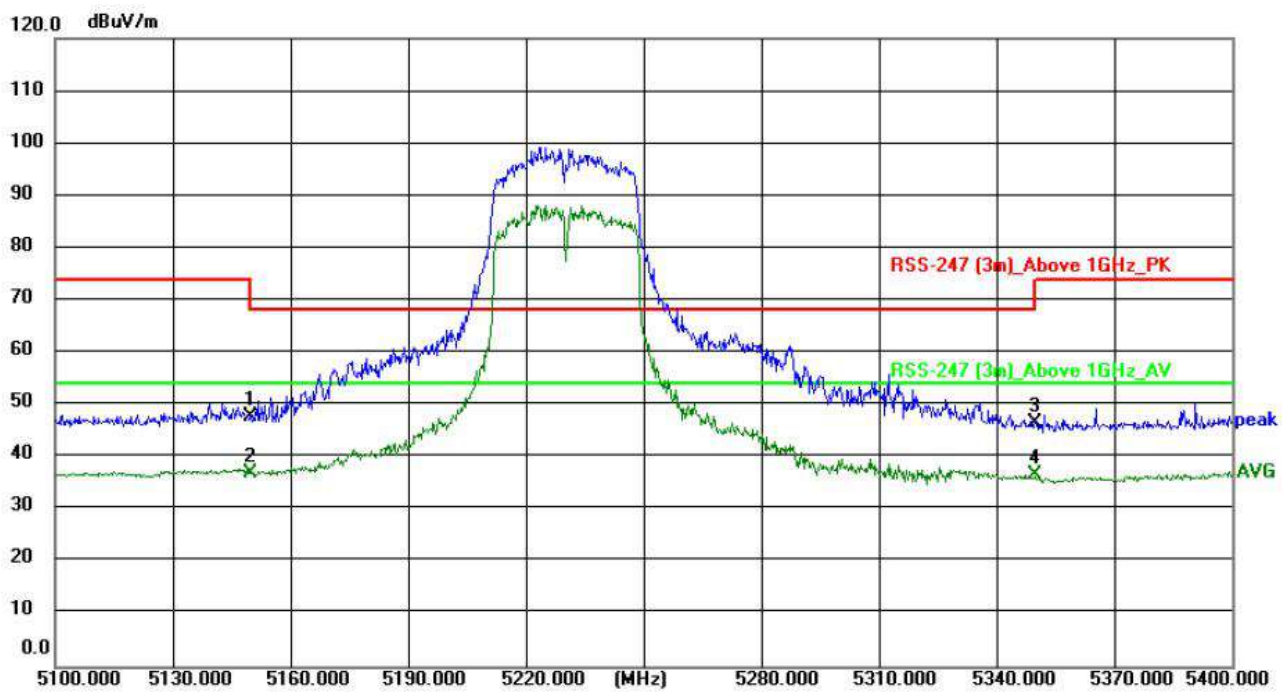
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5143.200	58.19	5.73	63.92	74.00	-10.08	peak
2	5143.200	37.91	5.73	43.64	54.00	-10.36	AVG
3	5150.000	55.45	5.77	61.22	68.20	-6.98	peak
4	5150.000	38.68	5.77	44.45	54.00	-9.55	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n40 (5190MHz)



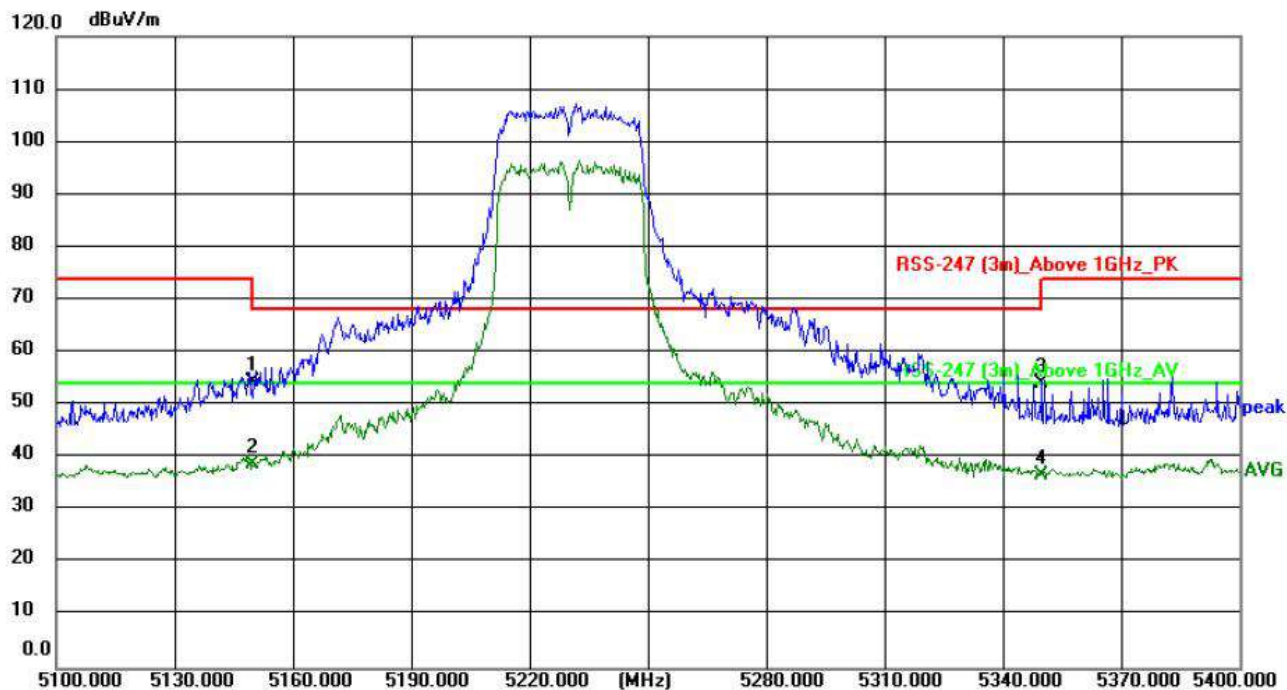
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5137.800	48.17	5.69	53.86	74.00	-20.14	peak
2	5137.800	33.20	5.69	38.89	54.00	-15.11	AVG
3	5150.000	47.91	5.77	53.68	68.20	-14.52	peak
4	5150.000	33.89	5.77	39.66	54.00	-14.34	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n40 (5230MHz)



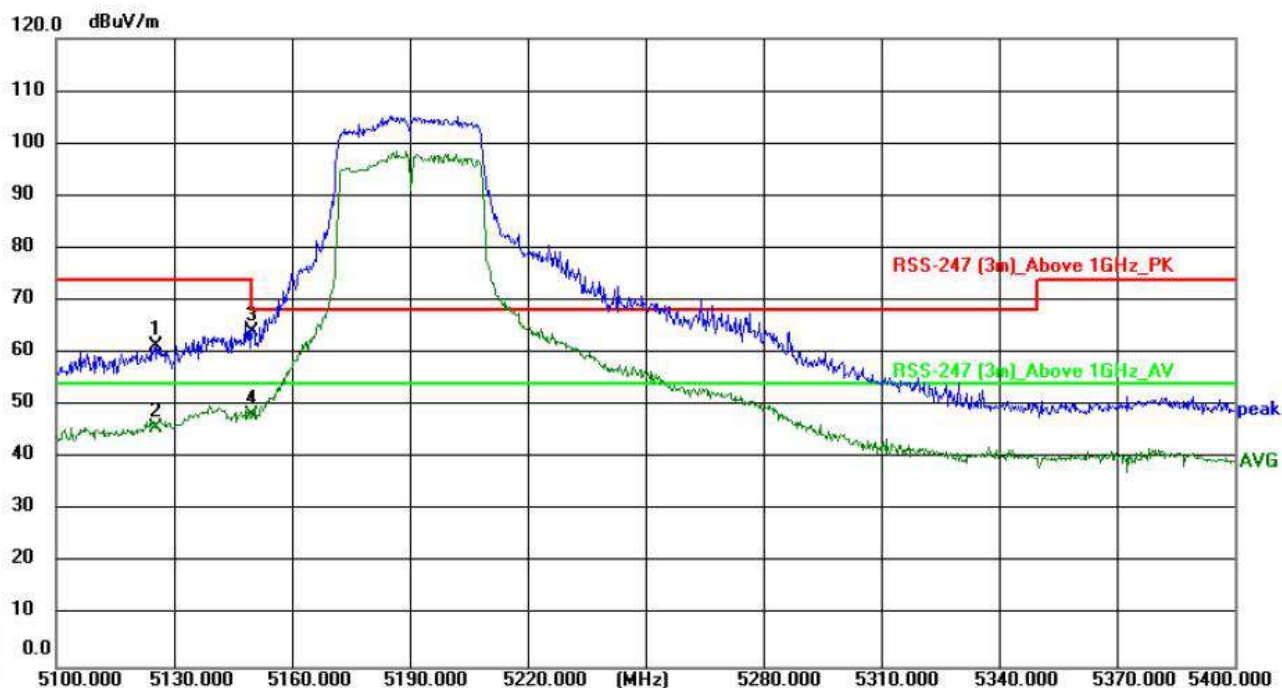
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	42.11	5.77	47.88	68.20	-20.32	peak
2	5150.000	31.38	5.77	37.15	54.00	-16.85	AVG
3	5350.000	40.40	6.28	46.68	68.20	-21.52	peak
4	5350.000	30.35	6.28	36.63	54.00	-17.37	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 n40 (5230MHz)



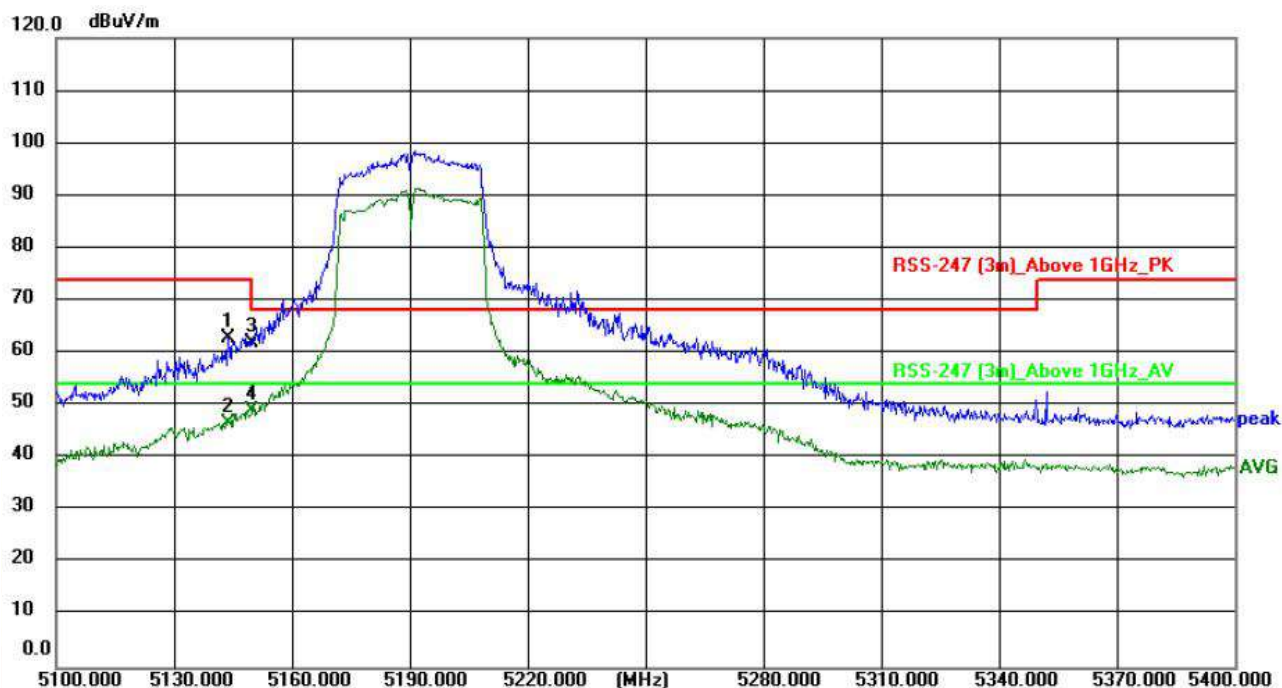
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	48.59	5.77	54.36	68.20	-13.84	peak
2	5150.000	33.01	5.77	38.78	54.00	-15.22	AVG
3	5350.000	47.83	6.28	54.11	68.20	-14.09	peak
4	5350.000	30.60	6.28	36.88	54.00	-17.12	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 ac40 (5190MHz)



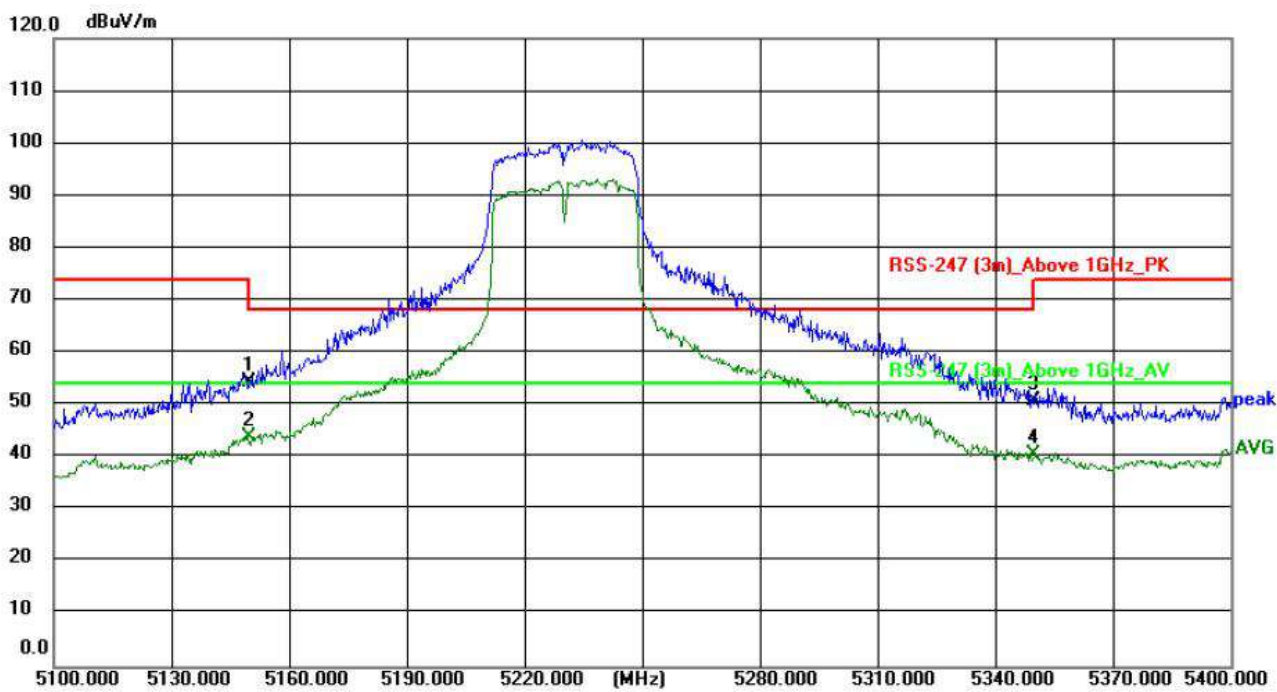
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5125.200	55.58	5.62	61.20	74.00	-12.80	peak
2	5125.200	40.09	5.62	45.71	54.00	-8.29	AVG
3	5150.000	58.19	5.77	63.96	68.20	-4.24	peak
4	5150.000	42.36	5.77	48.13	54.00	-5.87	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac40 (5190MHz)



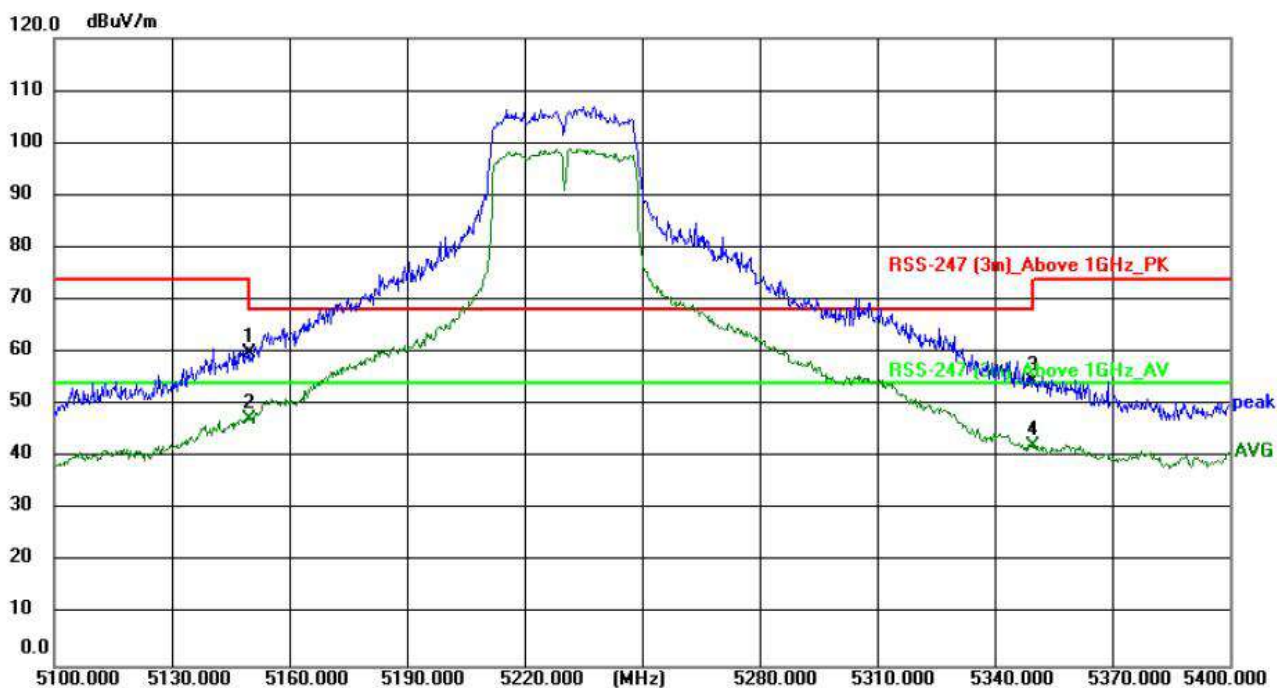
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5143.800	56.96	5.74	62.70	74.00	-11.30	peak
2	5143.800	40.95	5.74	46.69	54.00	-7.31	AVG
3	5150.000	56.11	5.77	61.88	68.20	-6.32	peak
4	5150.000	43.19	5.77	48.96	54.00	-5.04	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac40 (5230MHz)



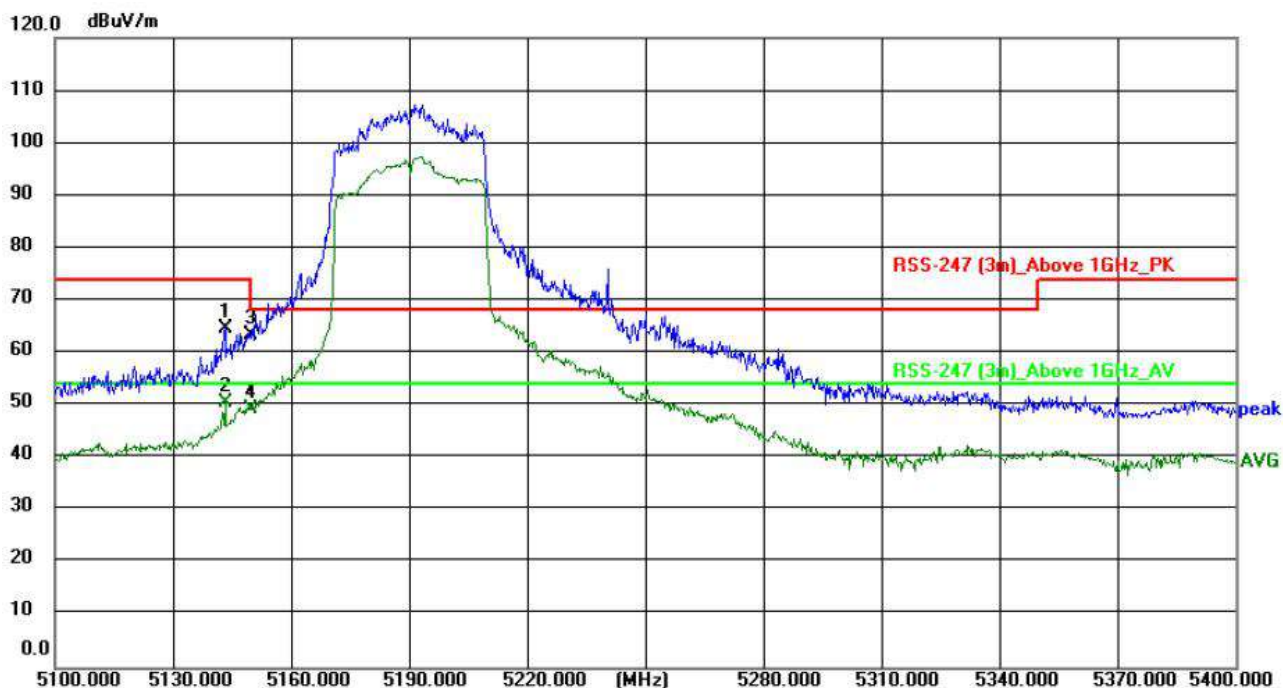
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	48.59	5.77	54.36	68.20	-13.84	peak
2	5150.000	38.11	5.77	43.88	54.00	-10.12	AVG
3	5350.000	44.50	6.28	50.78	68.20	-17.42	peak
4	5350.000	34.38	6.28	40.66	54.00	-13.34	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 ac40 (5230MHz)



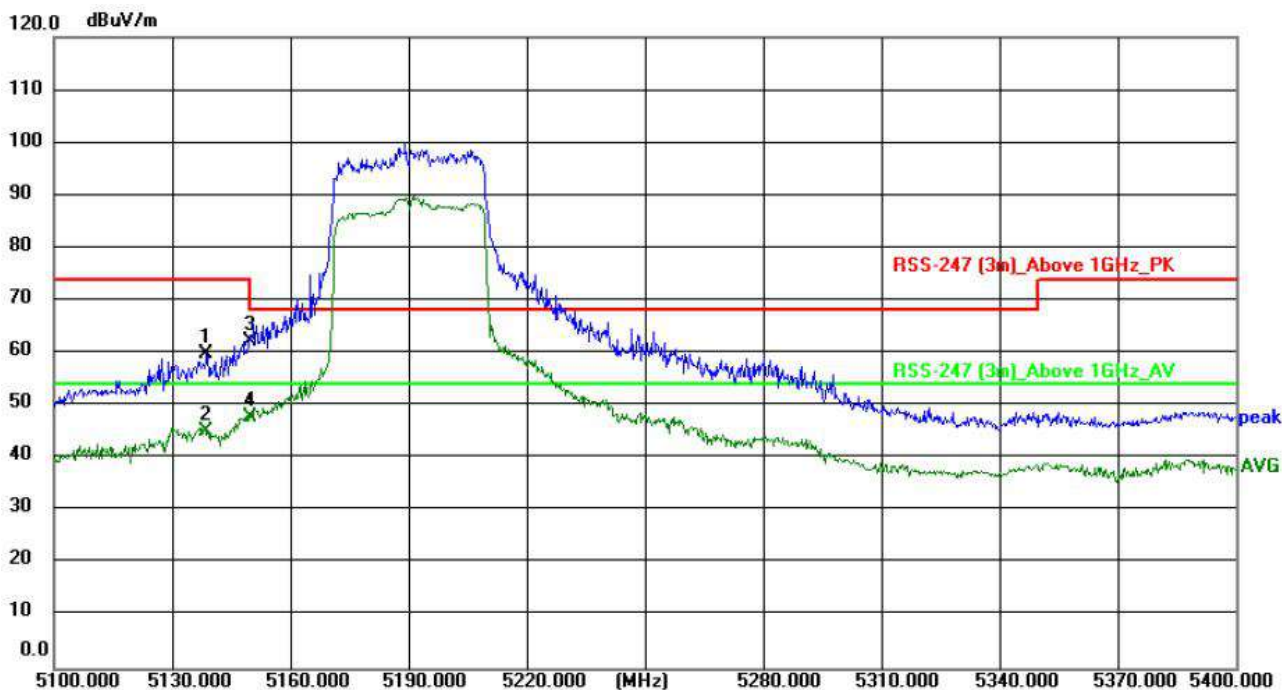
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	53.97	5.77	59.74	68.20	-8.46	peak
2	5150.000	41.46	5.77	47.23	54.00	-6.77	AVG
3	5350.000	48.27	6.28	54.55	68.20	-13.65	peak
4	5350.000	35.75	6.28	42.03	54.00	-11.97	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 ax40 (5190MHz)



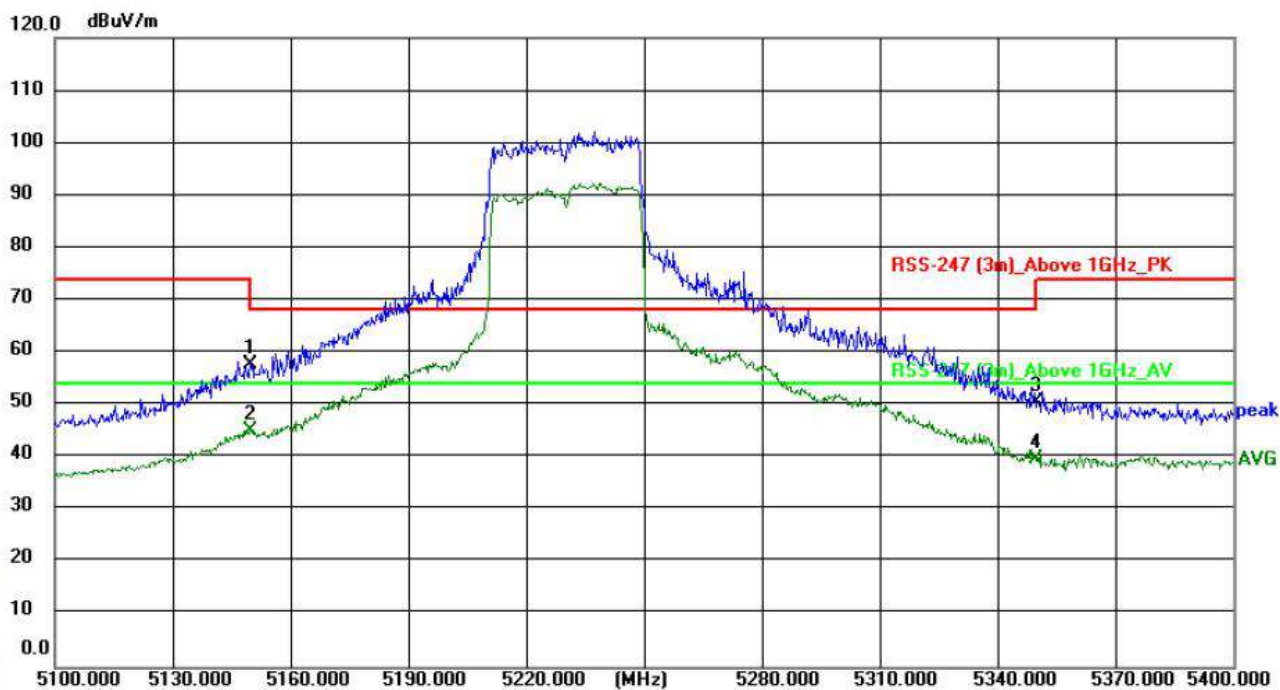
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5143.200	58.91	5.73	64.64	74.00	-9.36	peak
2	5143.200	44.70	5.73	50.43	54.00	-3.57	AVG
3	5150.000	57.76	5.77	63.53	68.20	-4.67	peak
4	5150.000	43.67	5.77	49.44	54.00	-4.56	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax40 (5190MHz)



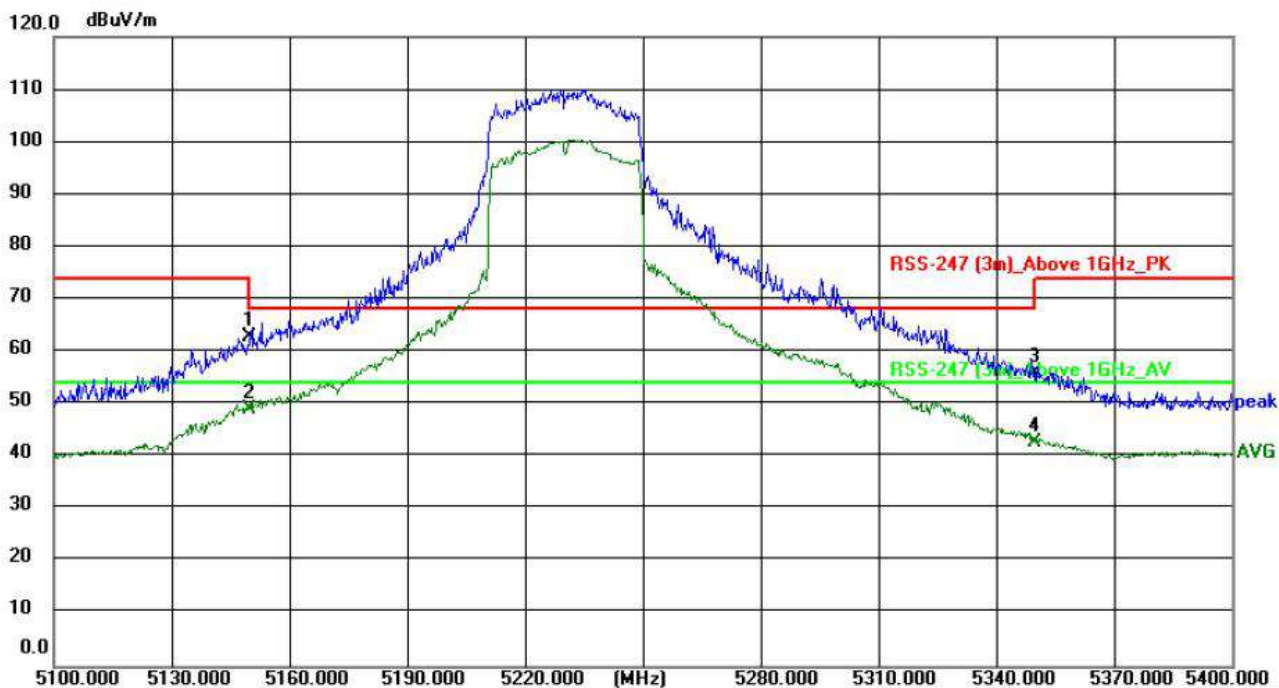
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5138.700	54.26	5.69	59.95	74.00	-14.05	peak
2	5138.700	39.44	5.69	45.13	54.00	-8.87	AVG
3	5150.000	56.59	5.77	62.36	68.20	-5.84	peak
4	5150.000	41.98	5.77	47.75	54.00	-6.25	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax40 (5230MHz)



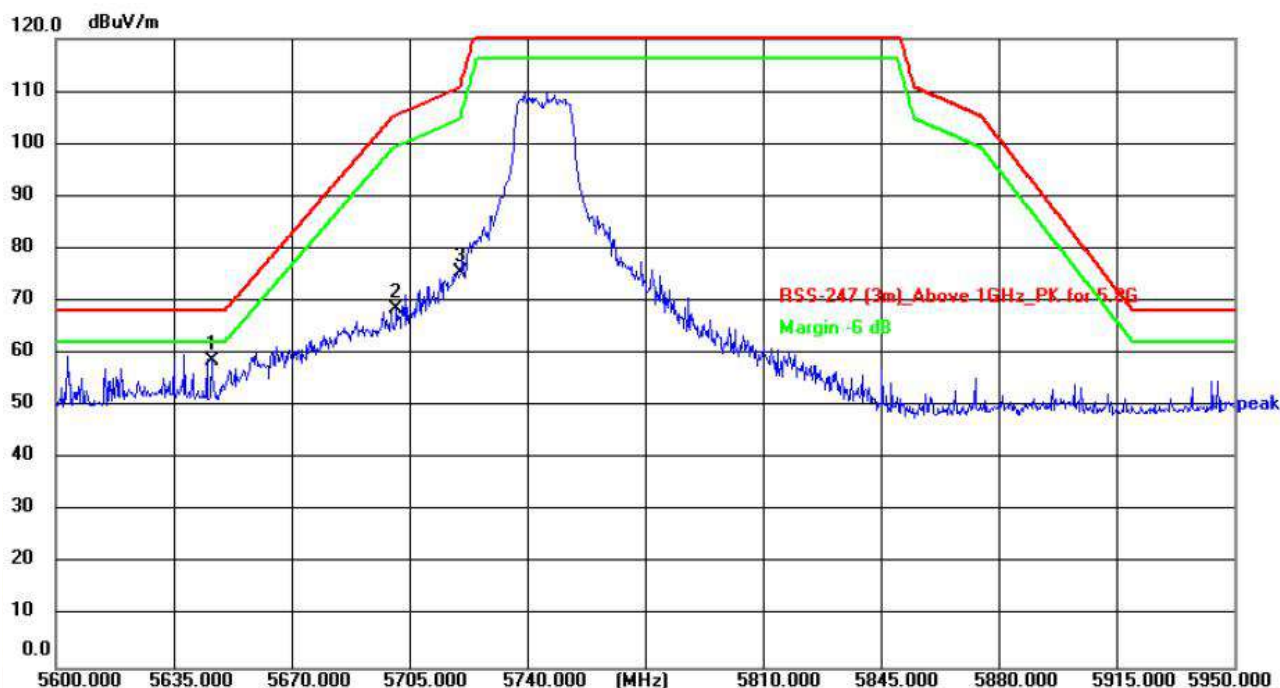
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	52.11	5.77	57.88	68.20	-10.32	peak
2	5150.000	39.26	5.77	45.03	54.00	-8.97	AVG
3	5350.000	44.28	6.28	50.56	68.20	-17.64	peak
4	5350.000	33.59	6.28	39.87	54.00	-14.13	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 ax40 (5230MHz)



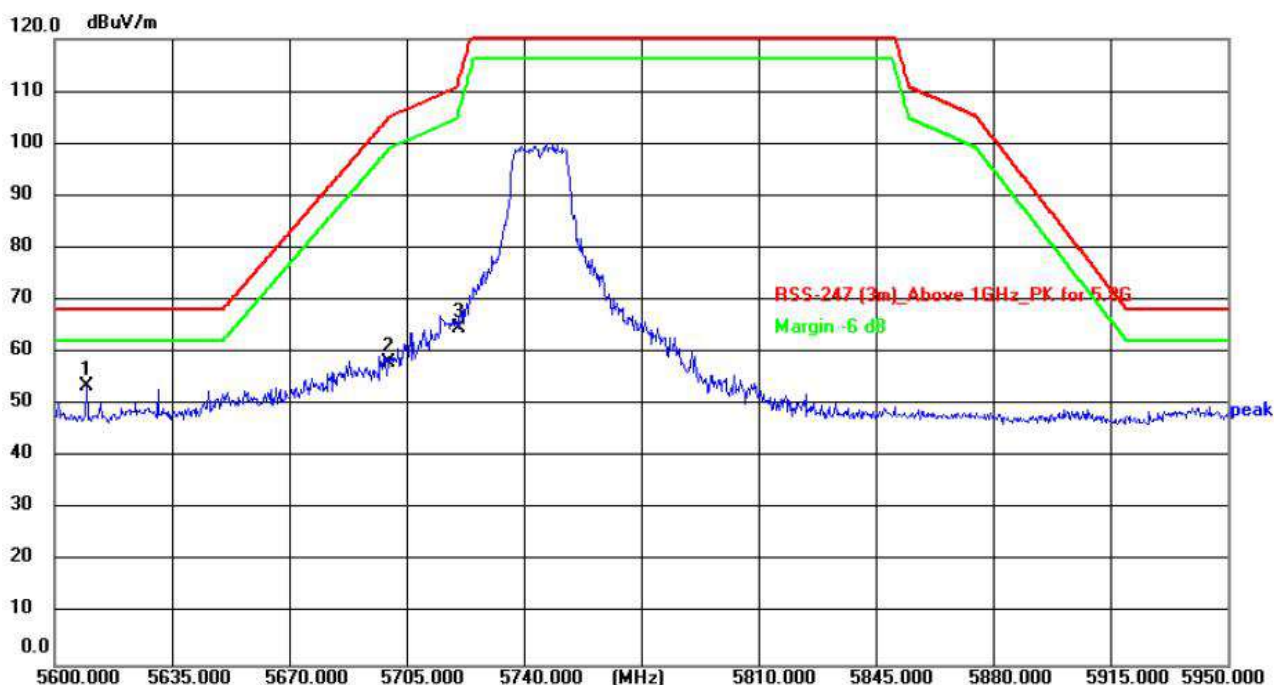
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	57.03	5.77	62.80	68.20	-5.40	peak
2	5150.000	43.33	5.77	49.10	54.00	-4.90	AVG
3	5350.000	49.71	6.28	55.99	68.20	-12.21	peak
4	5350.000	36.50	6.28	42.78	54.00	-11.22	AVG

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 a(5745MHz)



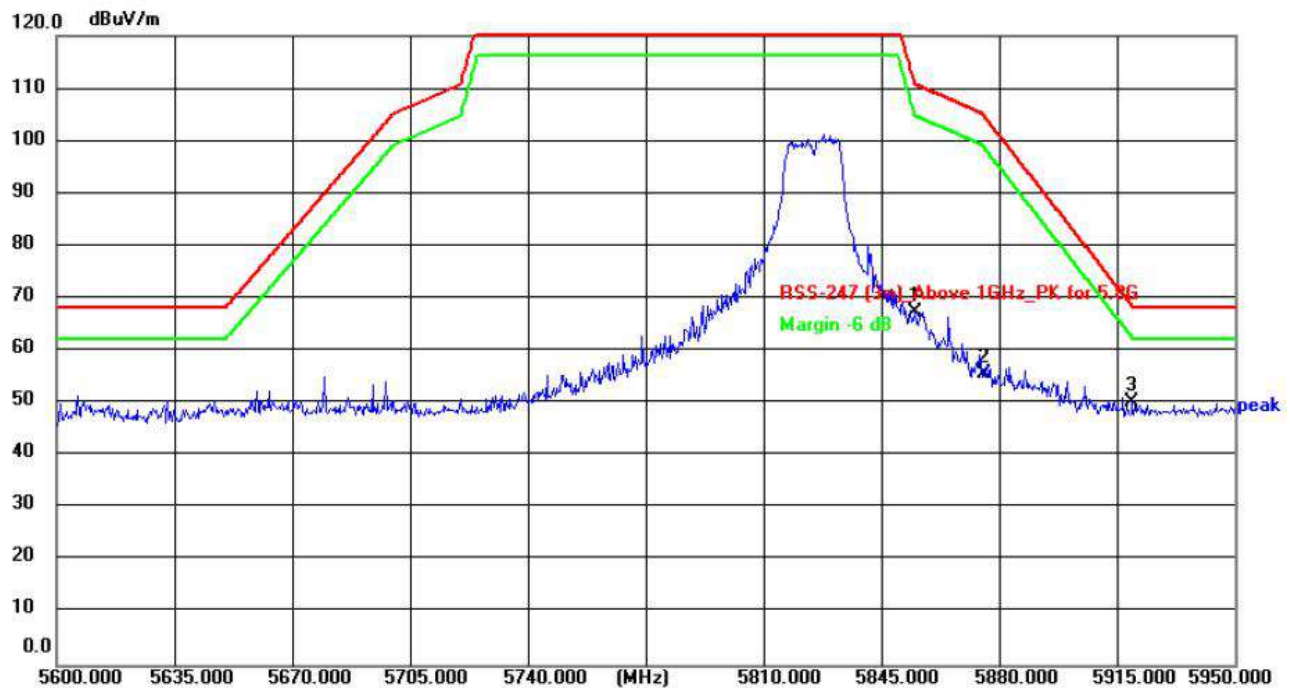
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5646.200	51.53	7.22	58.75	68.20	-9.45	peak
2	5701.150	61.45	7.23	68.68	105.52	-36.84	peak
3	5720.050	68.16	7.26	75.42	110.91	-35.49	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 a(5745MHz)



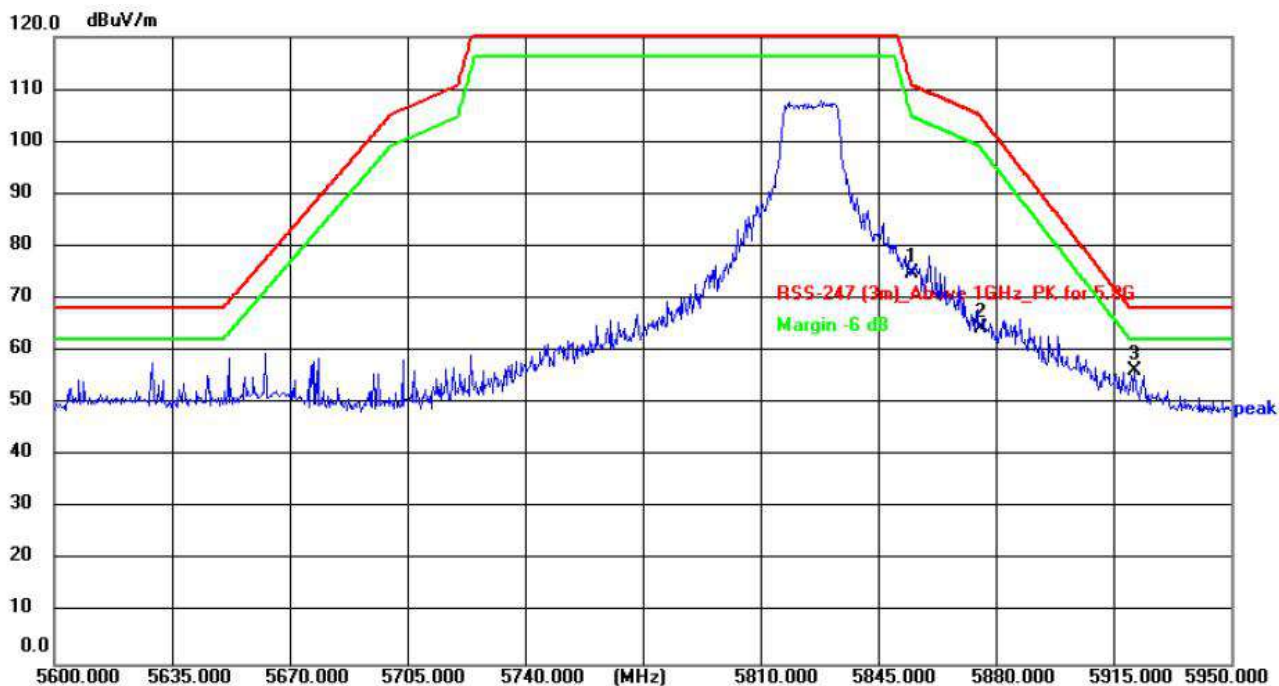
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5609.450	46.57	7.03	53.60	68.20	-14.60	peak
2	5699.400	50.87	7.23	58.10	104.76	-46.66	peak
3	5720.400	57.29	7.26	64.55	111.71	-47.16	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 a (5825MHz)



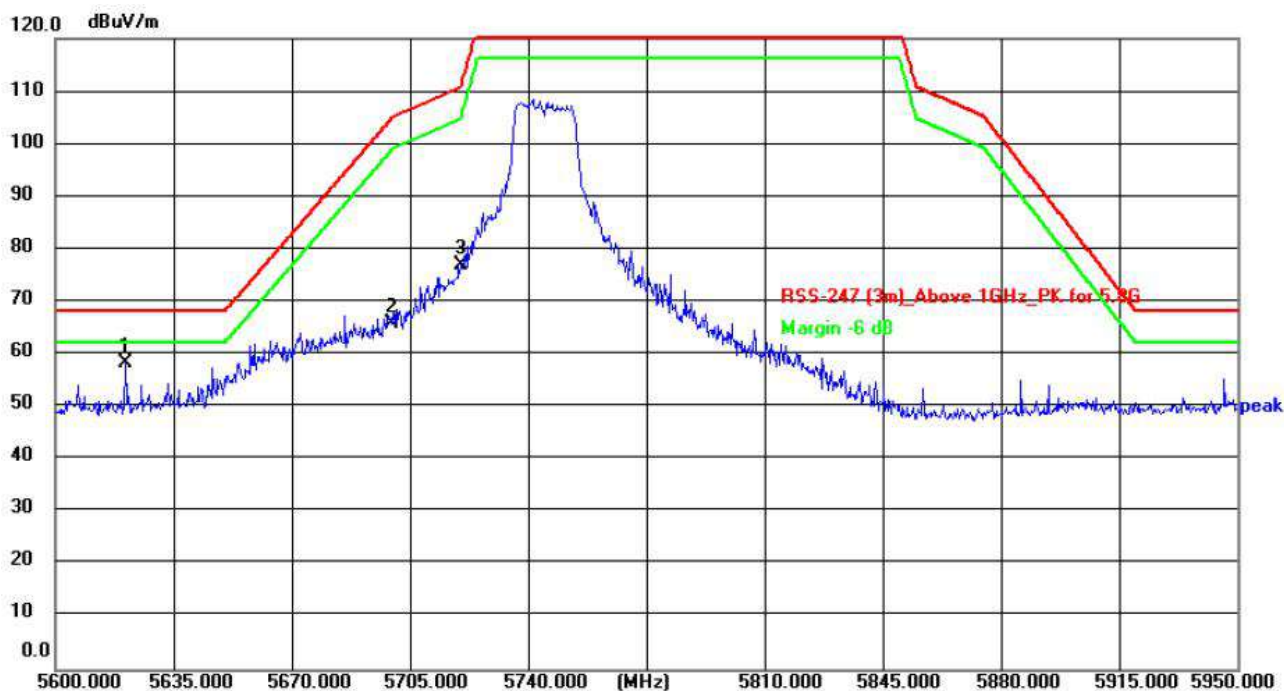
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	59.68	7.77	67.45	111.26	-43.81	peak
2	5875.450	47.92	7.81	55.73	104.83	-49.10	peak
3	5919.550	42.25	7.92	50.17	68.57	-18.40	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 a (5825MHz)



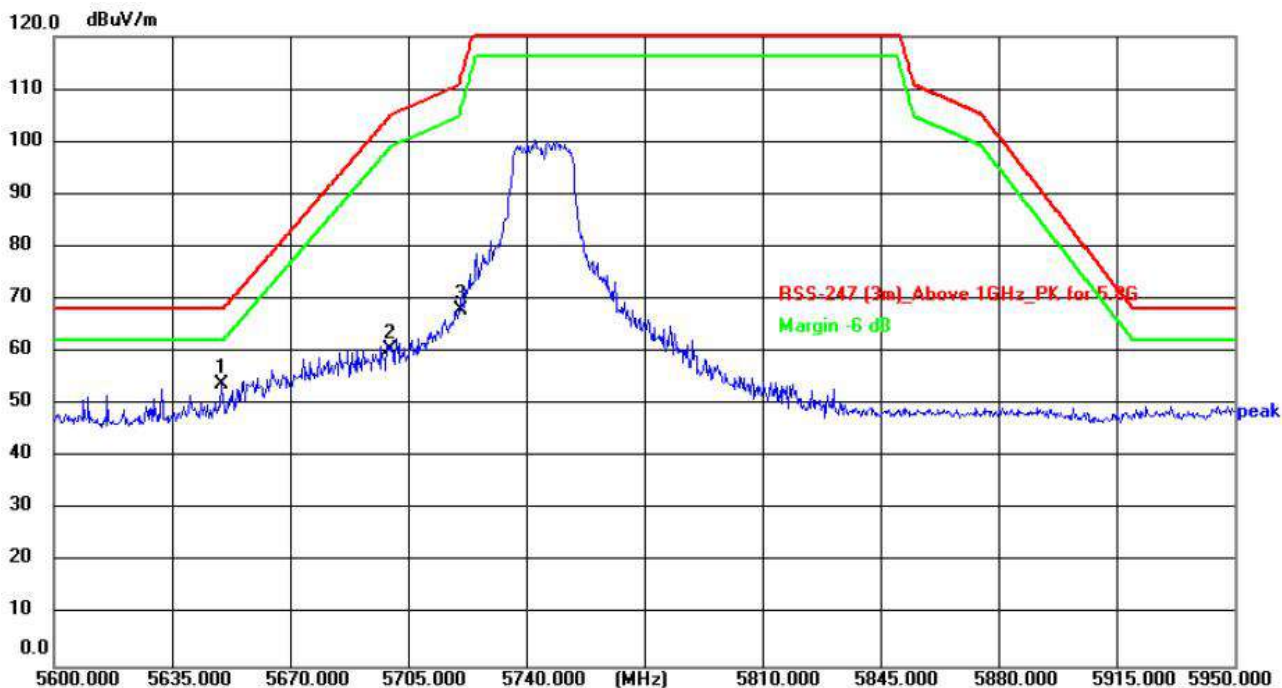
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	67.13	7.77	74.90	111.26	-36.36	peak
2	5875.450	56.60	7.81	64.41	104.83	-40.42	peak
3	5921.300	48.38	7.92	56.30	68.20	-11.90	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n20 (5745MHz)



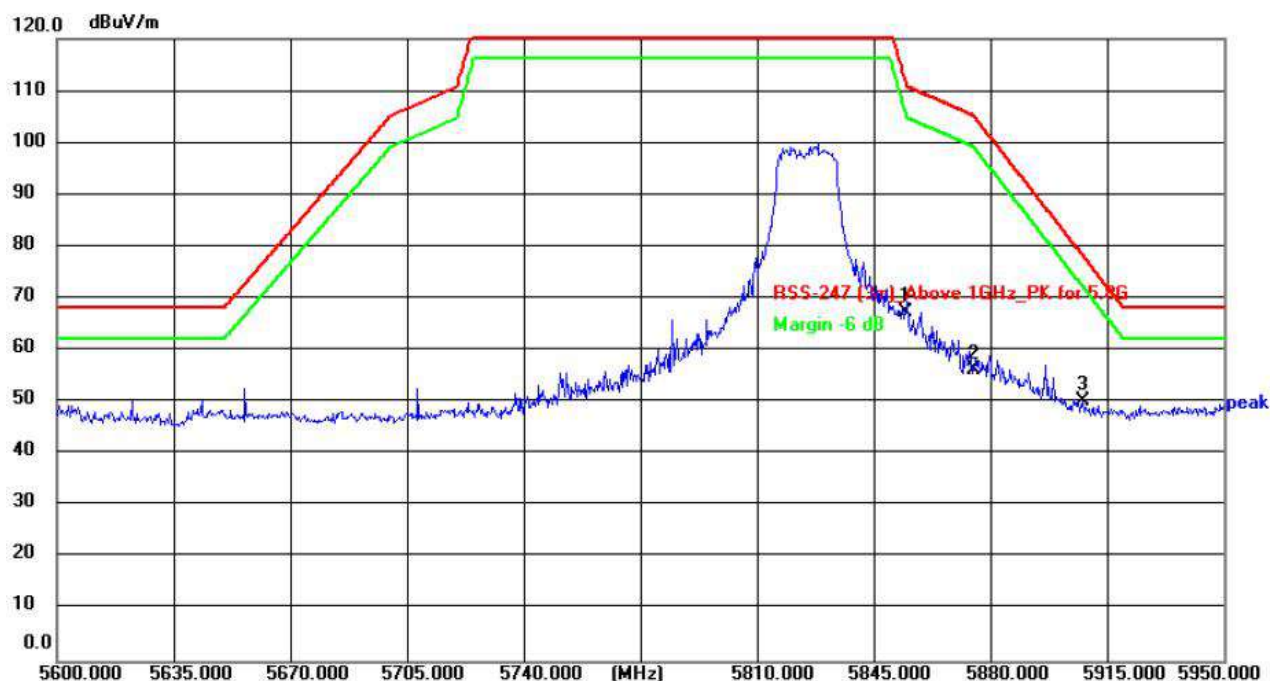
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5620.650	51.25	7.09	58.34	68.20	-9.86	peak
2	5699.400	58.56	7.23	65.79	104.76	-38.97	peak
3	5720.050	69.66	7.26	76.92	110.91	-33.99	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n20 (5745MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5649.700	46.71	7.25	53.96	68.20	-14.24	peak
2	5699.750	53.35	7.23	60.58	105.02	-44.44	peak
3	5720.400	60.74	7.26	68.00	111.71	-43.71	peak

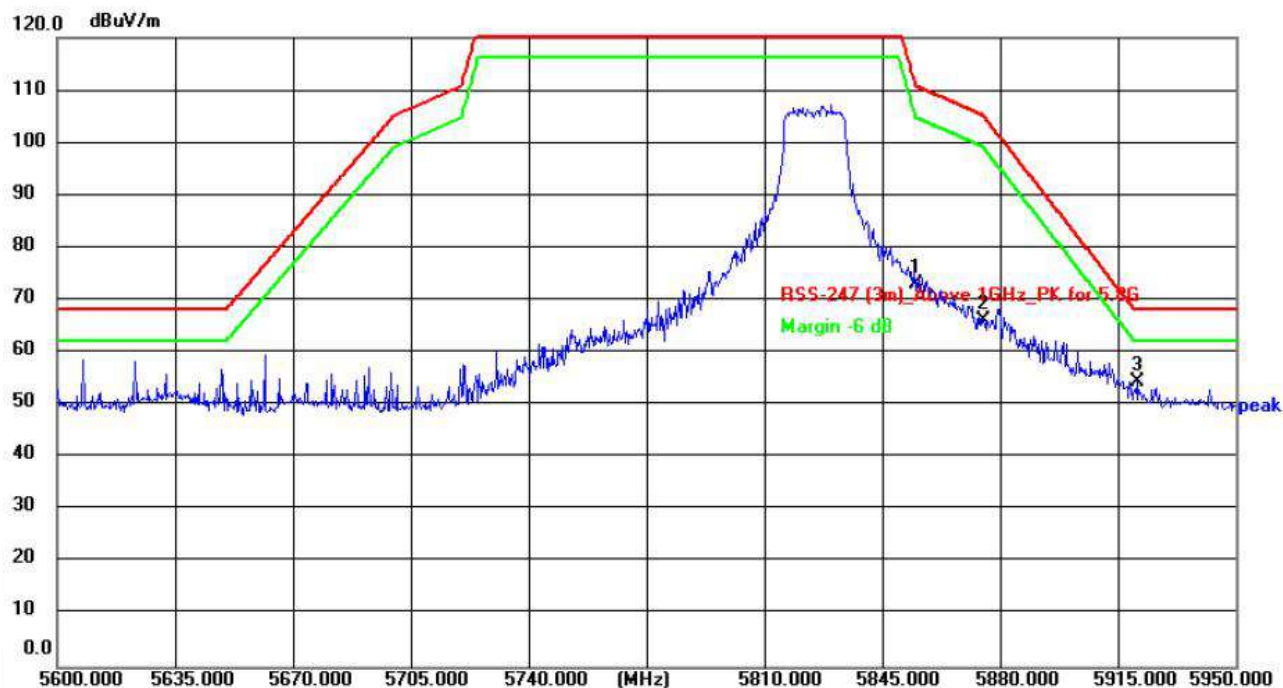
Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n20 (5825MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.450	59.62	7.77	67.39	112.05	-44.66	peak
2	5875.100	48.30	7.81	56.11	105.12	-49.01	peak
3	5907.650	42.26	7.88	50.14	78.35	-28.21	peak

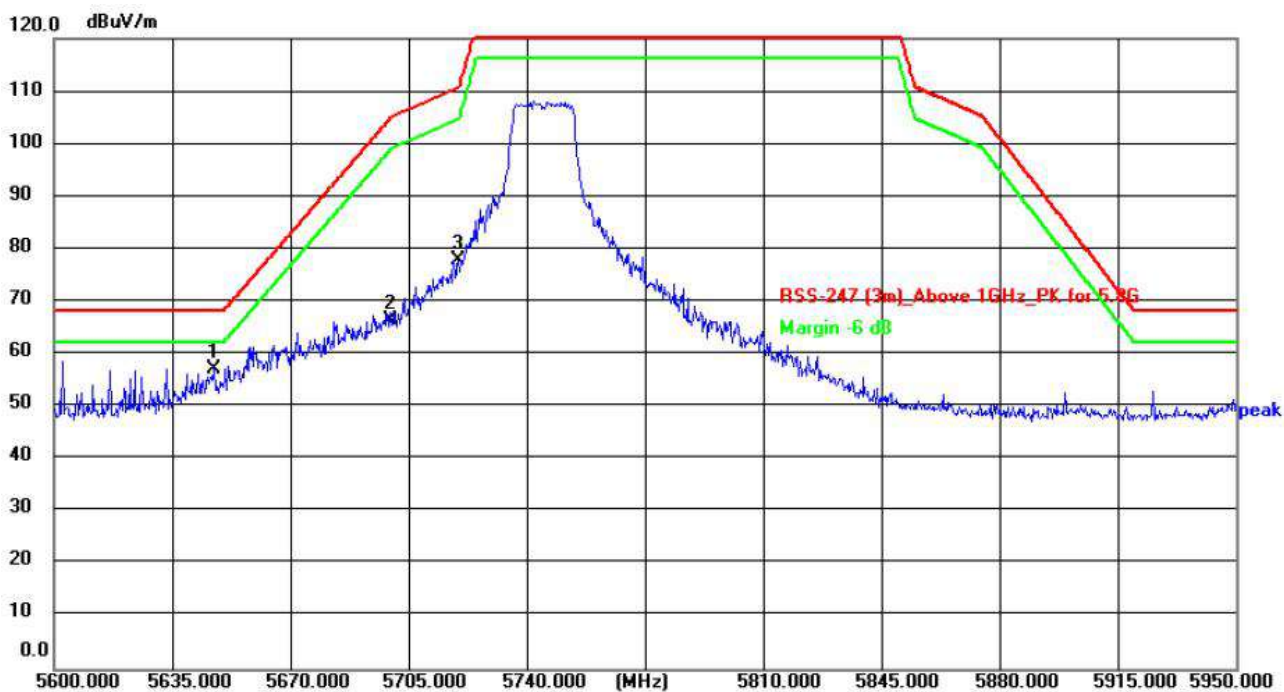
=

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n20 (5825MHz)



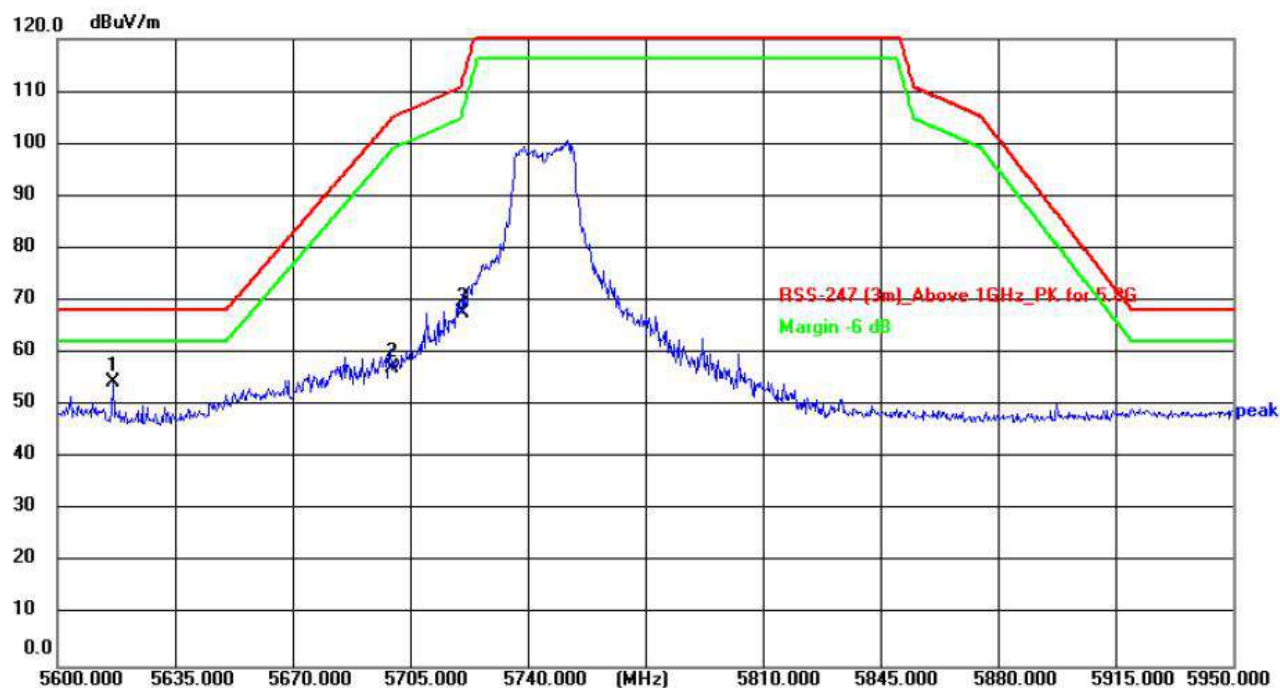
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	65.27	7.77	73.04	111.26	-38.22	peak
2	5875.100	58.29	7.81	66.10	105.12	-39.02	peak
3	5920.600	46.48	7.92	54.40	68.20	-13.80	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5745MHz)



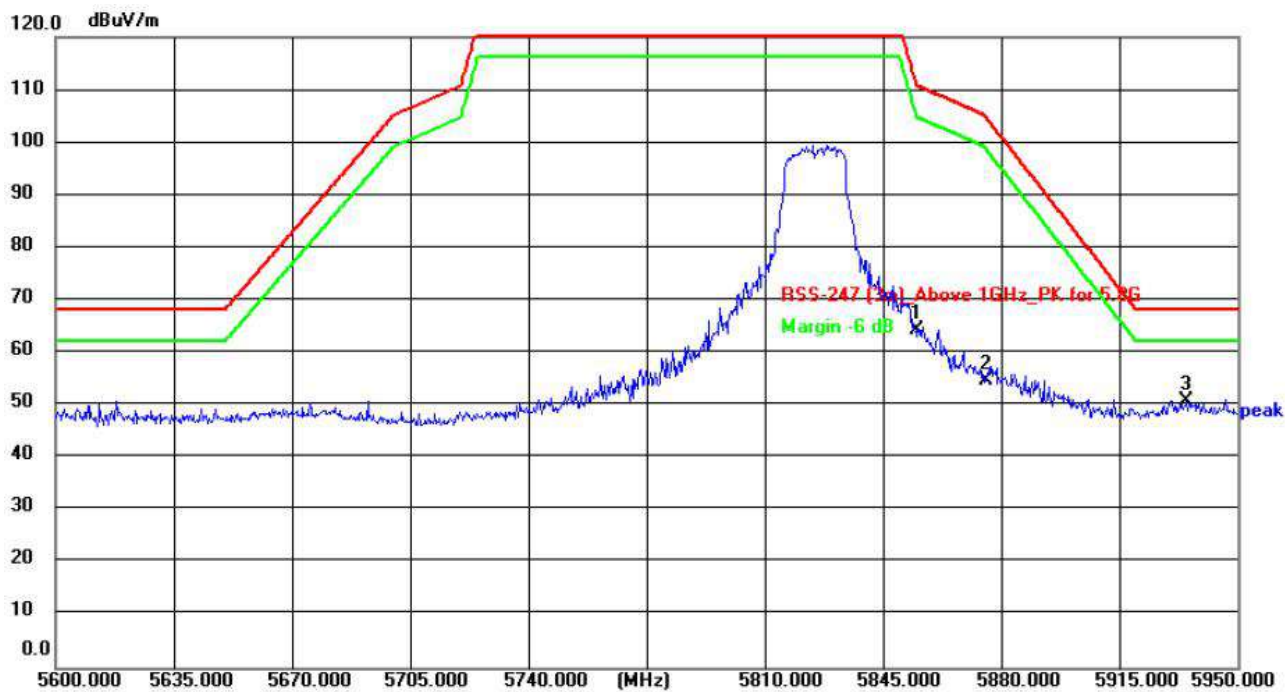
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5647.250	49.80	7.23	57.03	68.20	-11.17	peak
2	5699.750	59.15	7.23	66.38	105.02	-38.64	peak
3	5719.700	70.60	7.26	77.86	110.72	-32.86	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5745MHz)



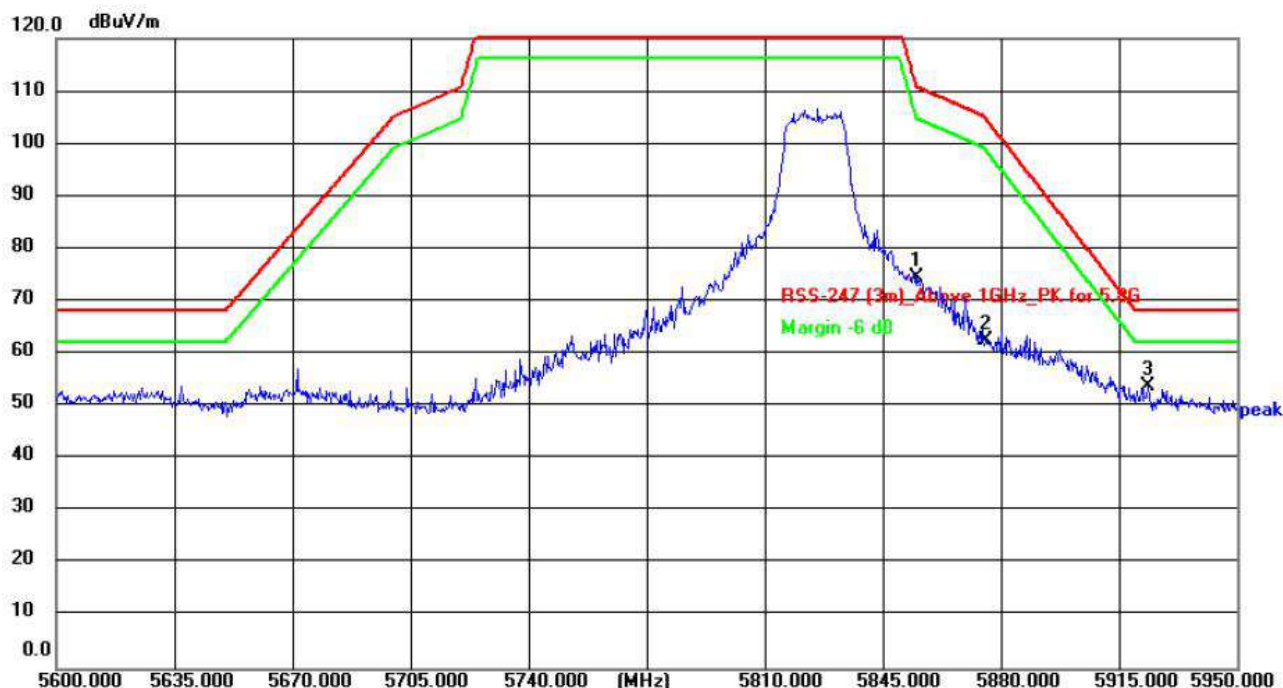
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5616.450	47.41	7.06	54.47	68.20	-13.73	peak
2	5699.400	50.02	7.23	57.25	104.76	-47.51	peak
3	5720.400	60.45	7.26	67.71	111.71	-44.00	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5825MHz)



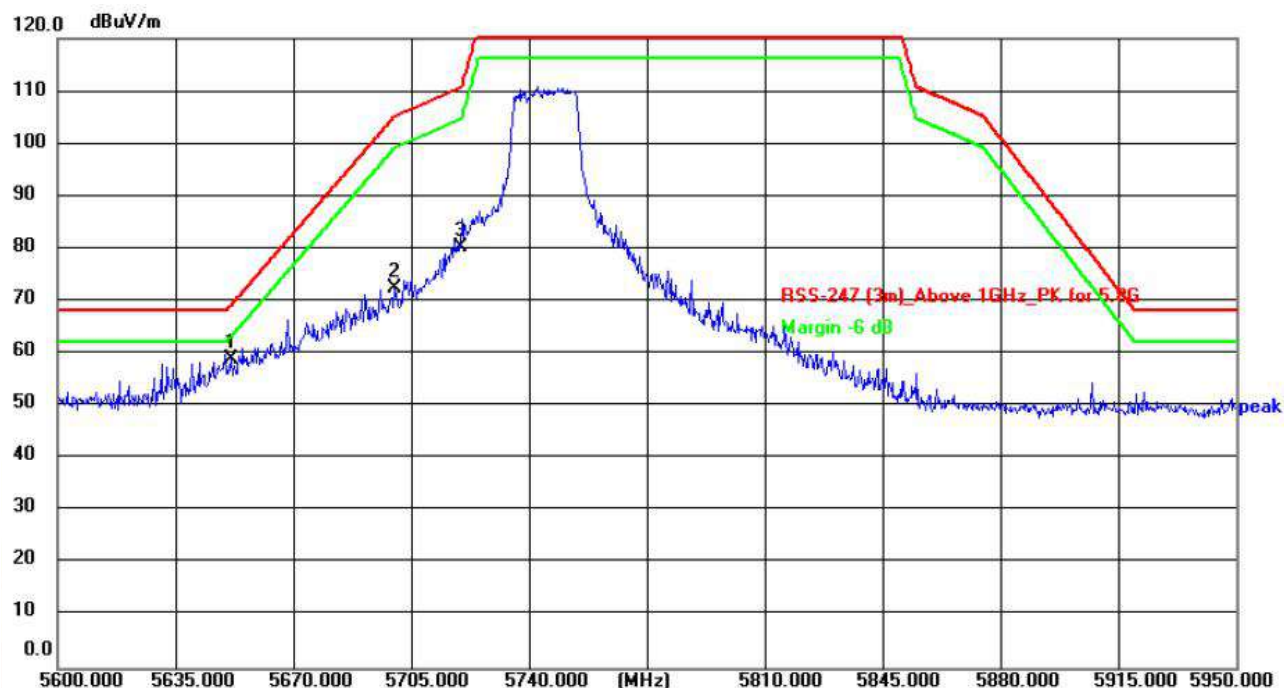
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	56.61	7.77	64.38	111.26	-46.88	peak
2	5875.450	47.01	7.81	54.82	104.83	-50.01	peak
3	5934.950	43.01	7.97	50.98	68.20	-17.22	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac 20 (5825MHz)



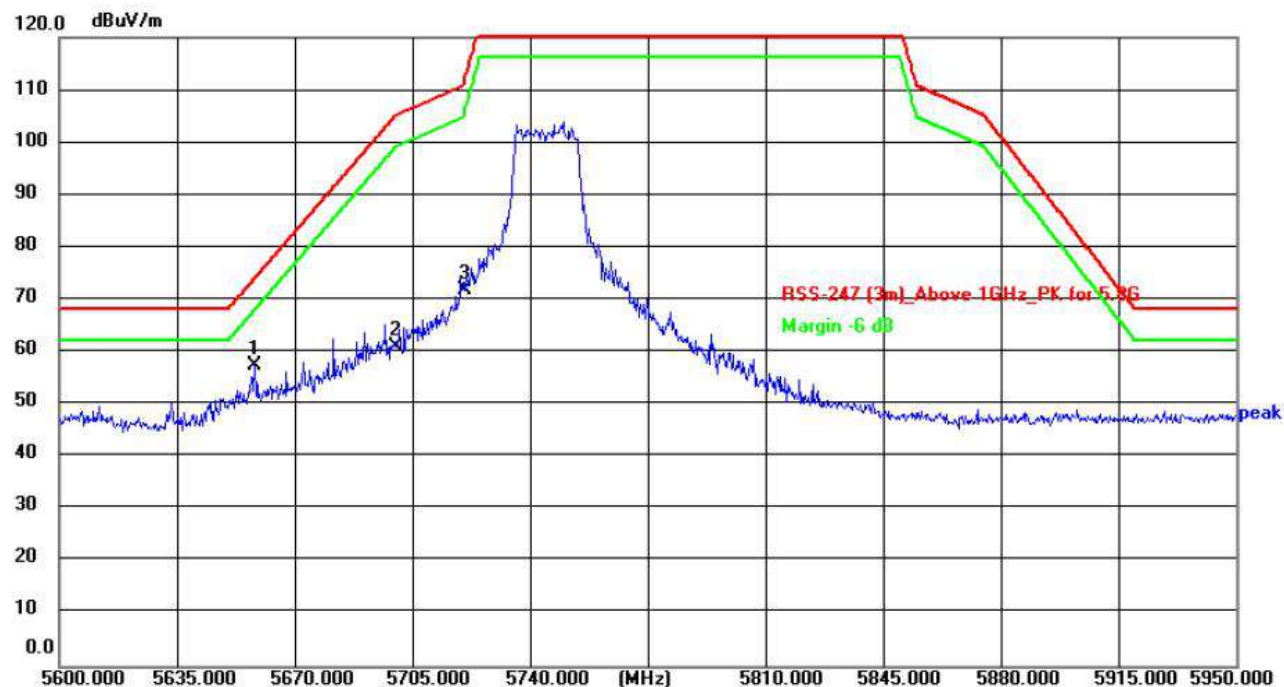
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	66.86	7.77	74.63	111.26	-36.63	peak
2	5875.450	54.87	7.81	62.68	104.83	-42.15	peak
3	5923.750	45.87	7.93	53.80	68.20	-14.40	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5745MHz)



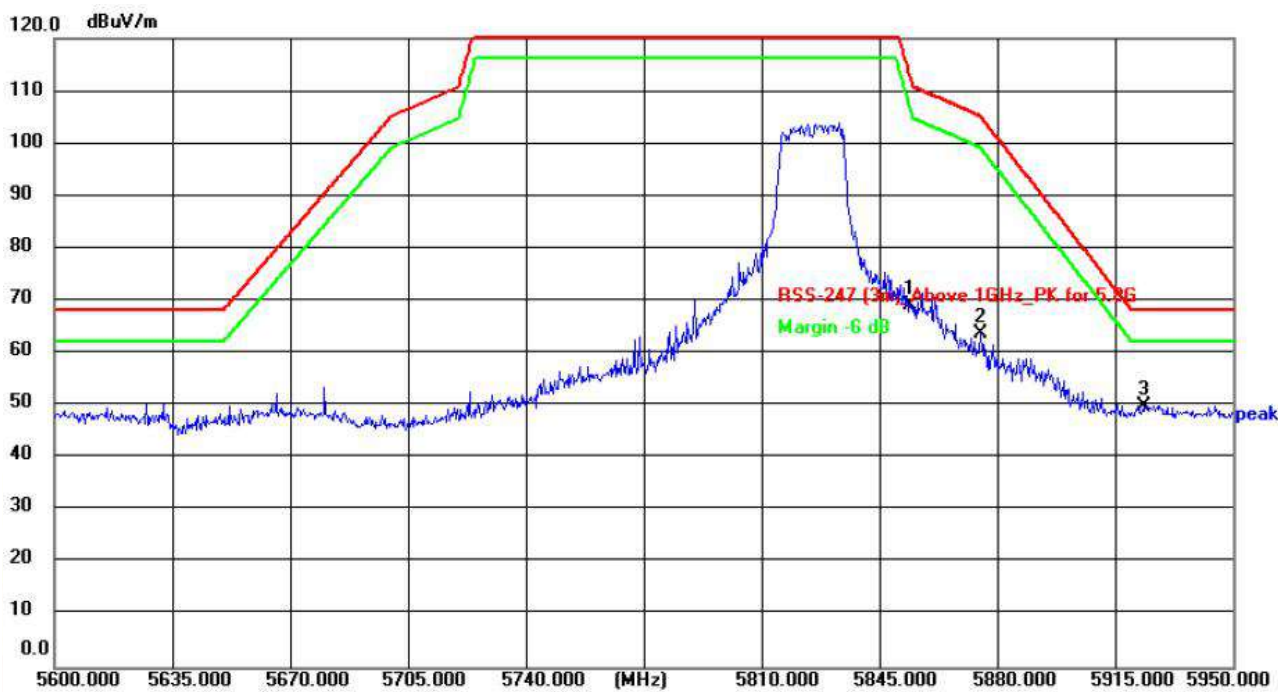
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5651.450	51.66	7.26	58.92	69.27	-10.35	peak
2	5700.100	65.32	7.23	72.55	105.23	-32.68	peak
3	5719.700	72.97	7.26	80.23	110.72	-30.49	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5745MHz)



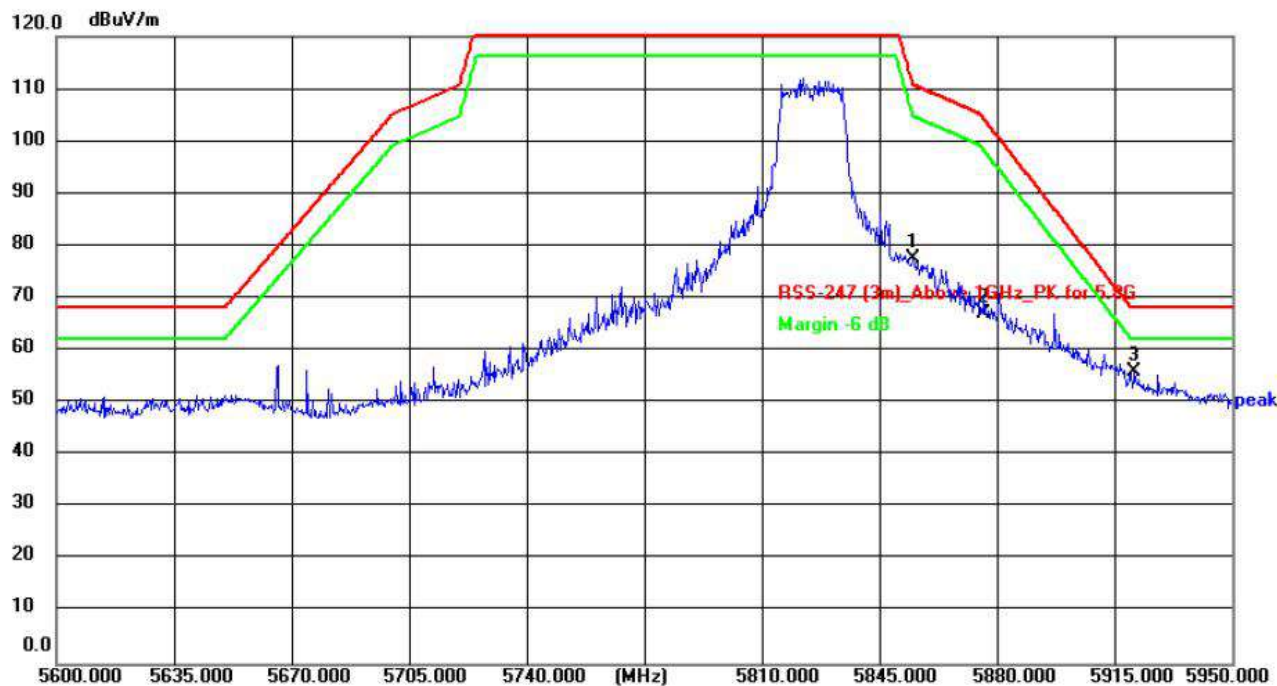
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5658.100	50.33	7.24	57.57	74.19	-16.62	peak
2	5700.100	53.79	7.23	61.02	105.23	-44.21	peak
3	5720.750	64.72	7.26	71.98	112.51	-40.53	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5825MHz)



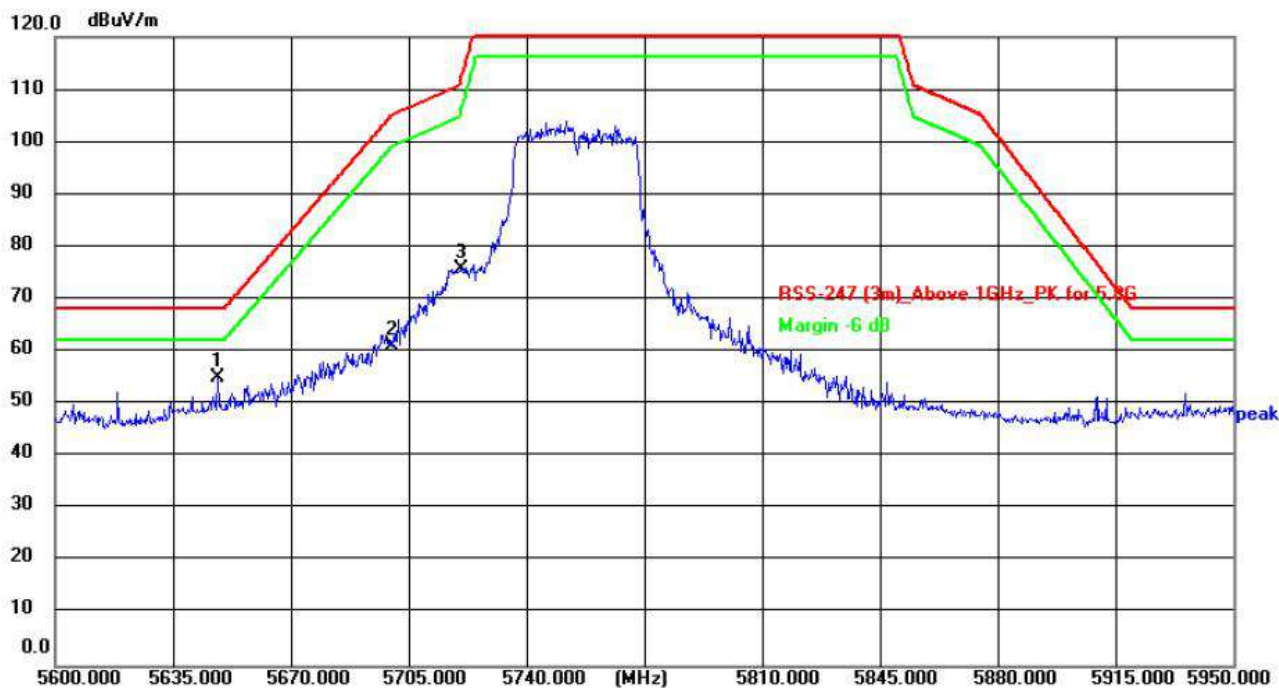
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.100	61.27	7.77	69.04	112.85	-43.81	peak
2	5875.100	55.93	7.81	63.74	105.12	-41.38	peak
3	5923.400	42.16	7.93	50.09	68.20	-18.11	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax 20 (5825MHz)



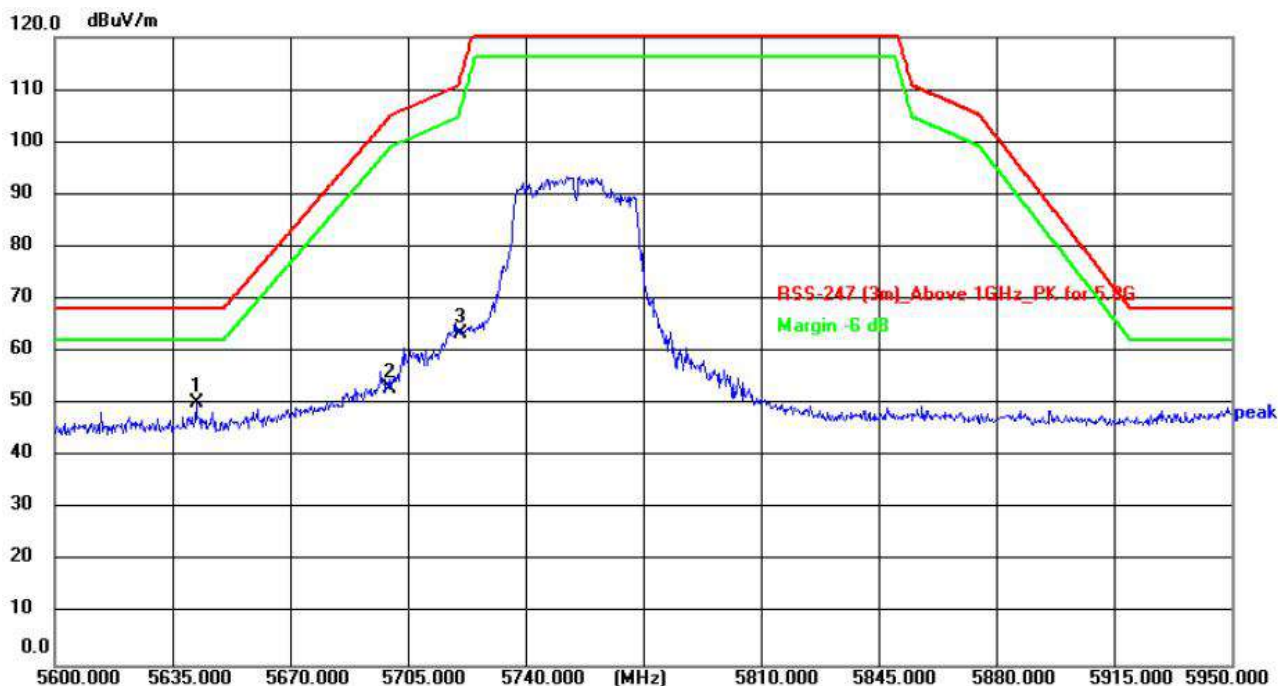
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5855.150	69.71	7.77	77.48	110.76	-33.28	peak
2	5875.800	59.11	7.81	66.92	104.54	-37.62	peak
3	5920.950	47.96	7.92	55.88	68.20	-12.32	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 n40 (5755MHz)



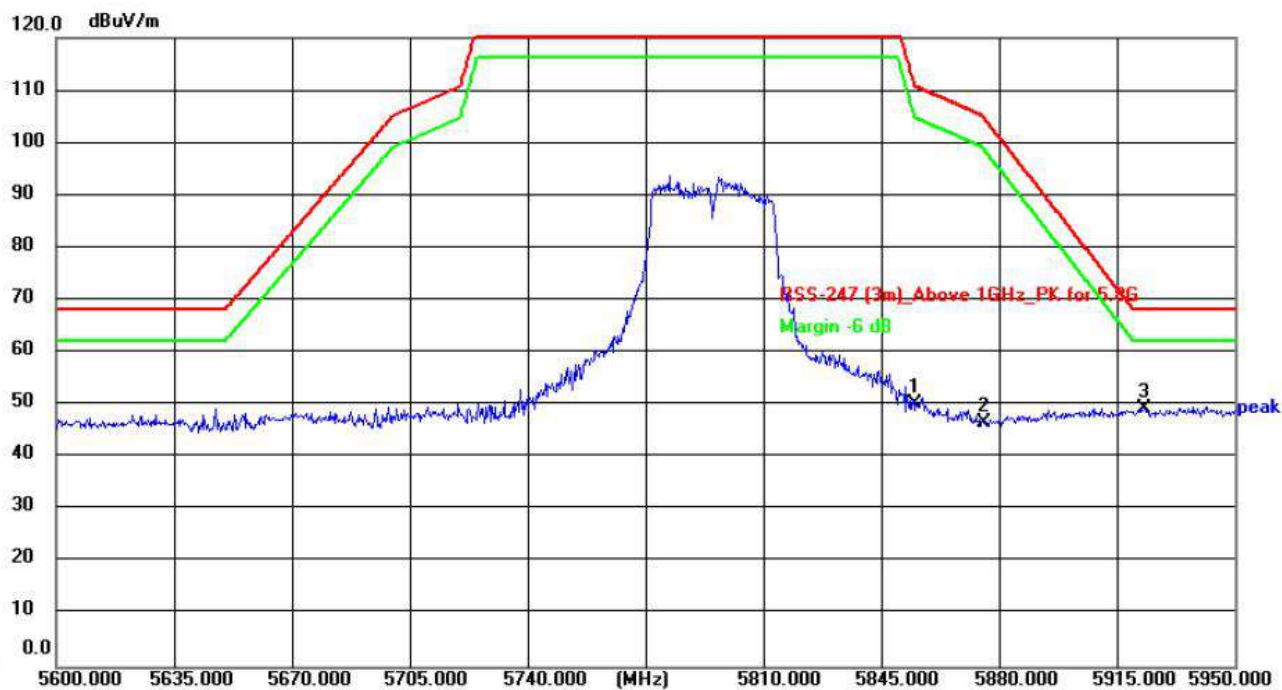
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5648.300	47.93	7.23	55.16	68.20	-13.04	peak
2	5700.100	53.88	7.23	61.11	105.23	-44.12	peak
3	5720.750	68.41	7.26	75.67	112.51	-36.84	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11n40(5755MHz)



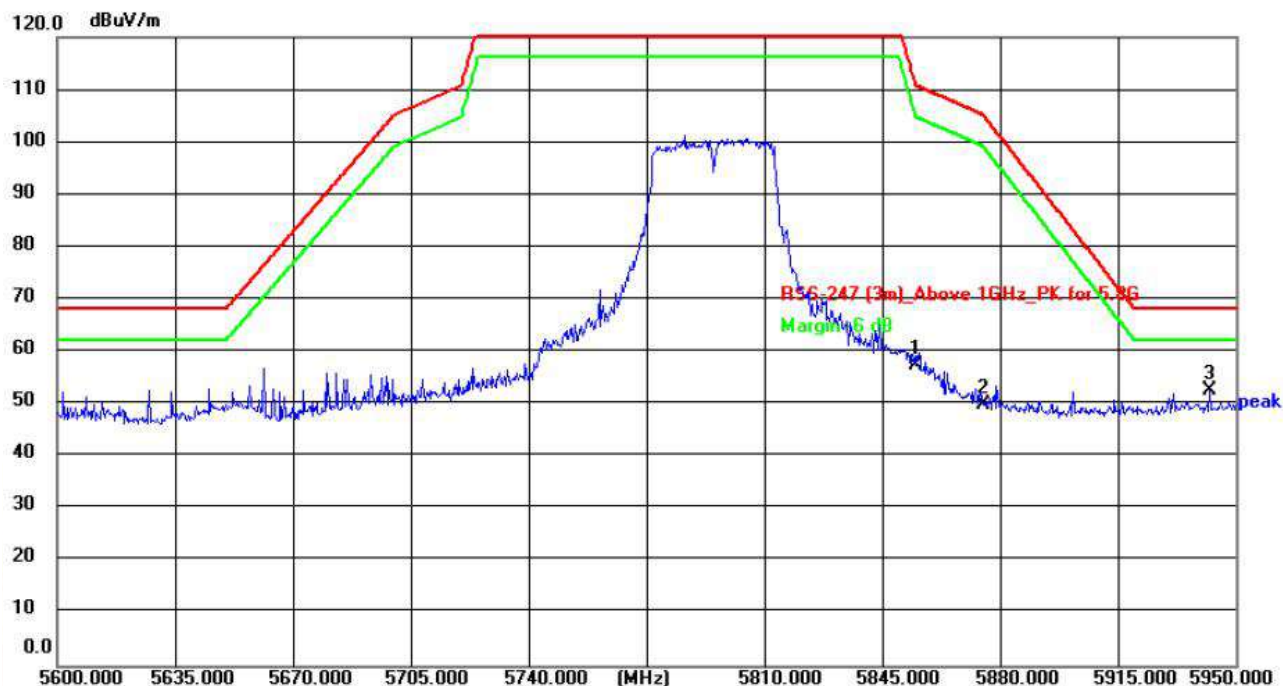
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5642.000	42.92	7.21	50.13	68.20	-18.07	peak
2	5699.750	45.63	7.23	52.86	105.02	-52.16	peak
3	5720.400	56.20	7.26	63.46	111.71	-48.25	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11n40 (5795MHz)



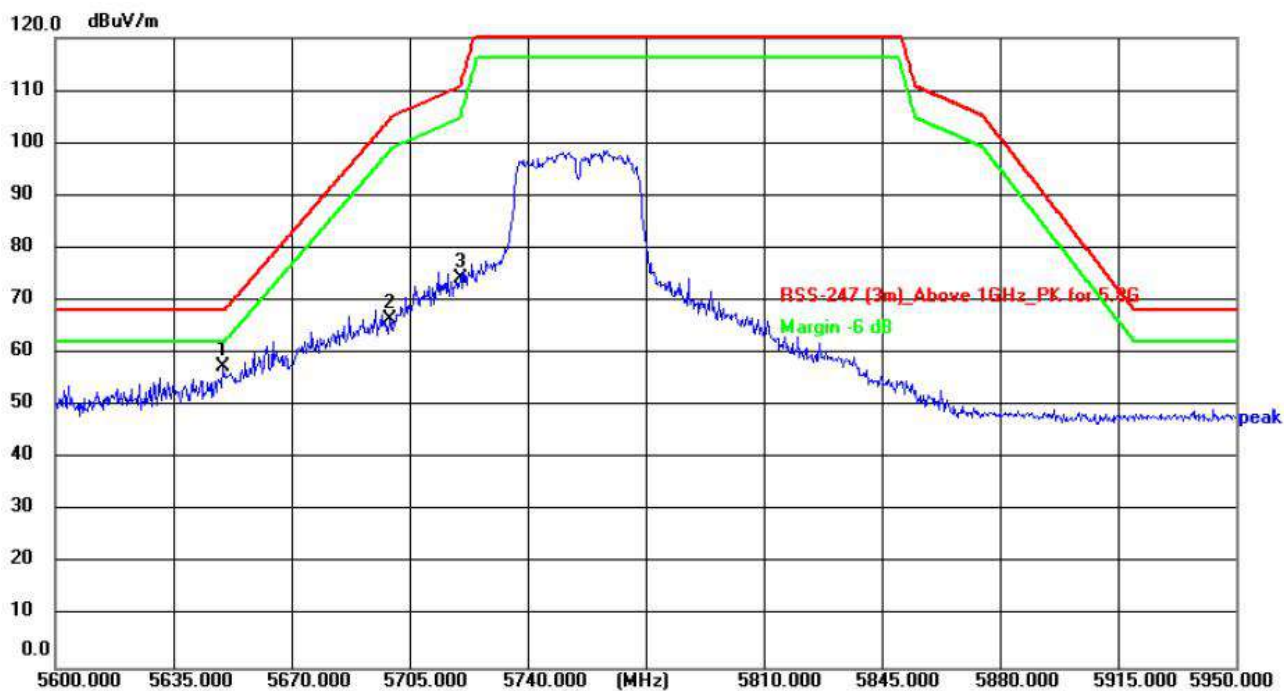
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5855.150	42.52	7.77	50.29	110.76	-60.47	peak
2	5875.450	38.93	7.81	46.74	104.83	-58.09	peak
3	5923.050	41.56	7.93	49.49	68.20	-18.71	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 n40 (5795MHz)



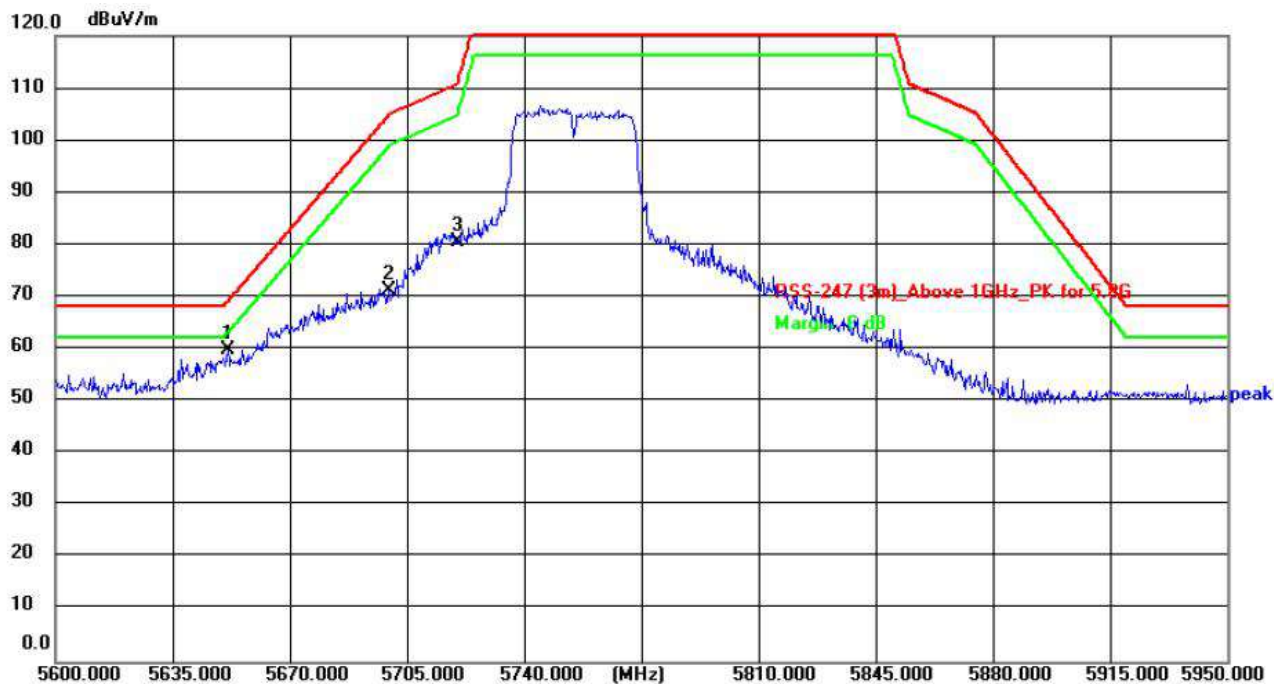
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	49.65	7.77	57.42	111.26	-53.84	peak
2	5875.100	42.00	7.81	49.81	105.12	-55.31	peak
3	5942.300	44.73	7.99	52.72	68.20	-15.48	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 ac40 (5755MHz)



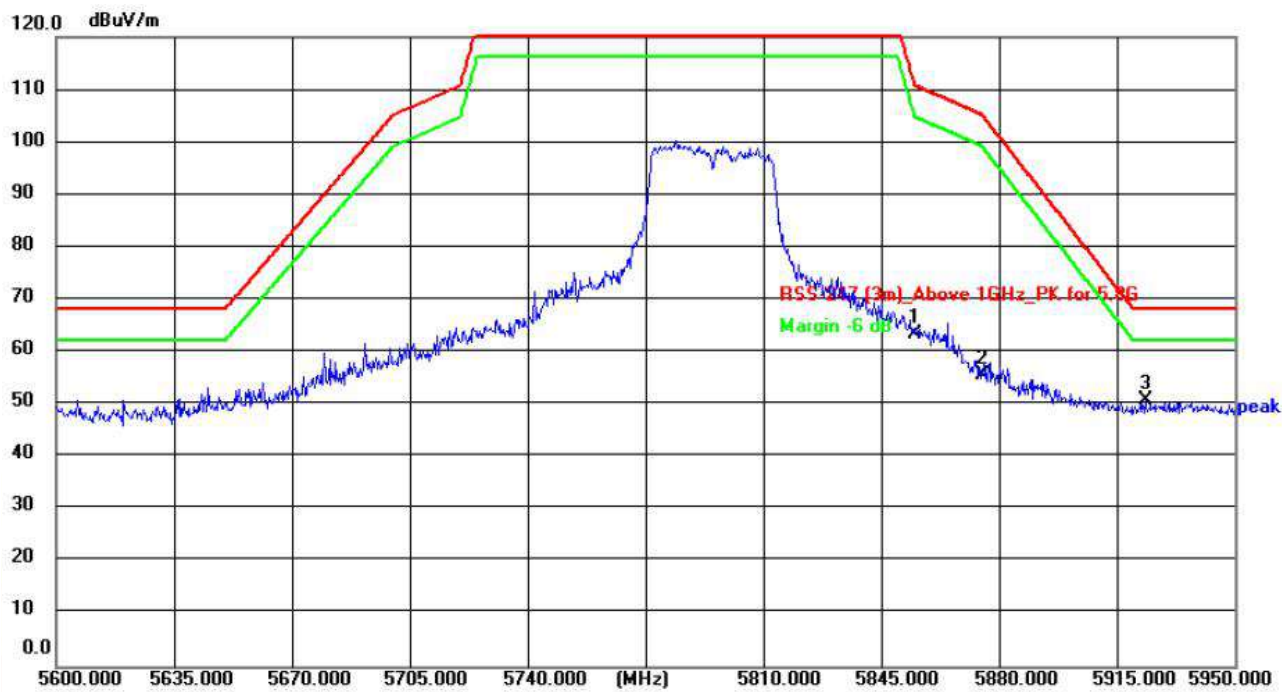
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5649.700	50.12	7.25	57.37	68.20	-10.83	peak
2	5699.050	59.26	7.23	66.49	104.50	-38.01	peak
3	5720.050	66.94	7.26	74.20	110.91	-36.71	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ac40 (5755MHz)



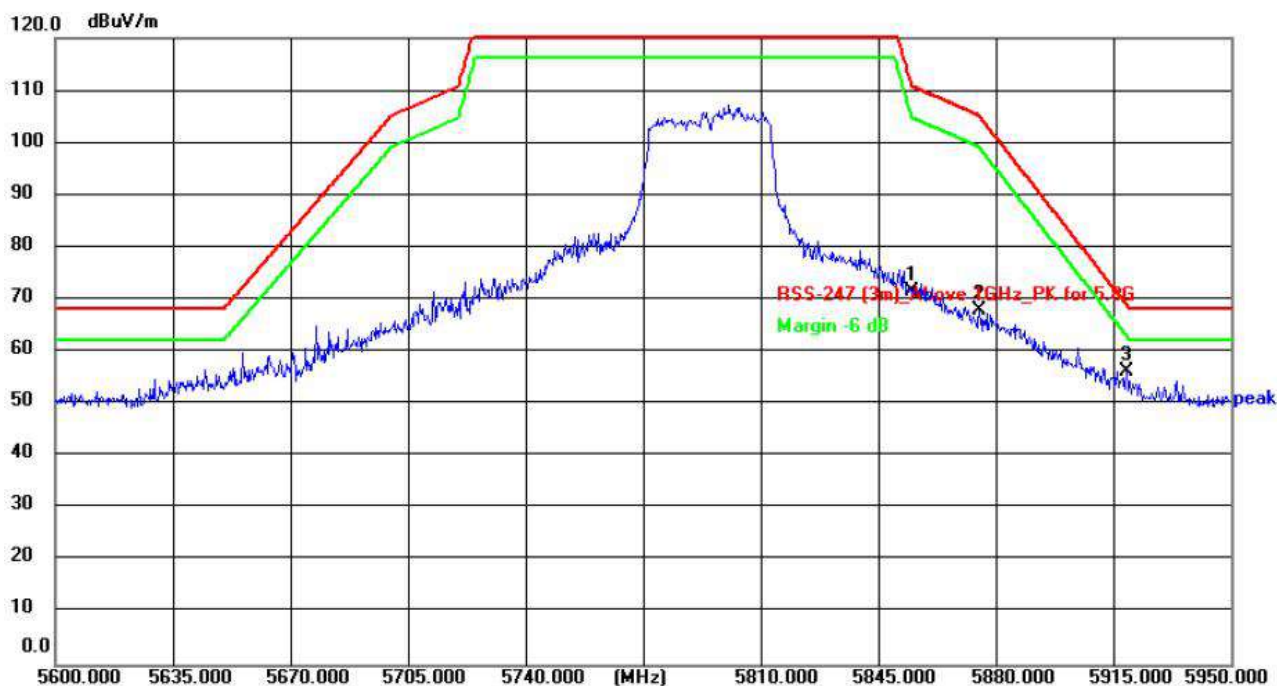
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5651.450	52.52	7.26	59.78	69.27	-9.49	peak
2	5699.400	64.01	7.23	71.24	104.76	-33.52	peak
3	5720.050	73.27	7.26	80.53	110.91	-30.38	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ac40 (5795MHz)



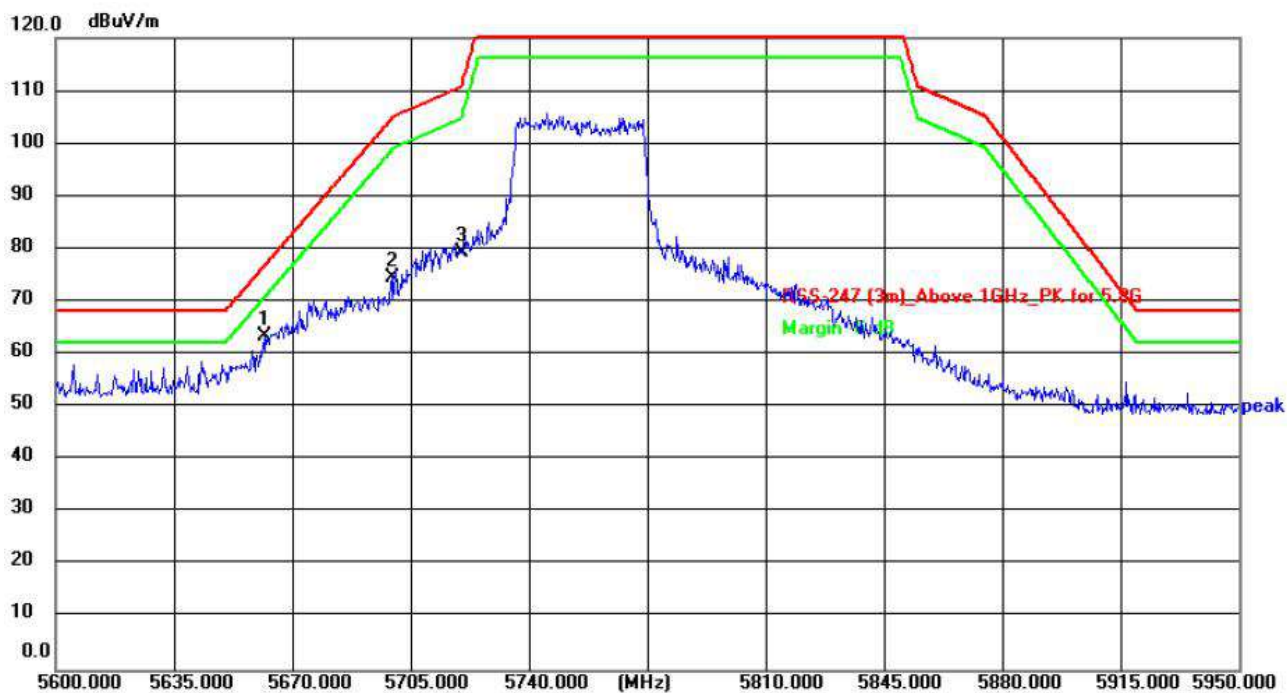
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	55.60	7.77	63.37	111.26	-47.89	peak
2	5875.100	47.84	7.81	55.65	105.12	-49.47	peak
3	5923.400	42.86	7.93	50.79	68.20	-17.41	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 ac40 (5795MHz)



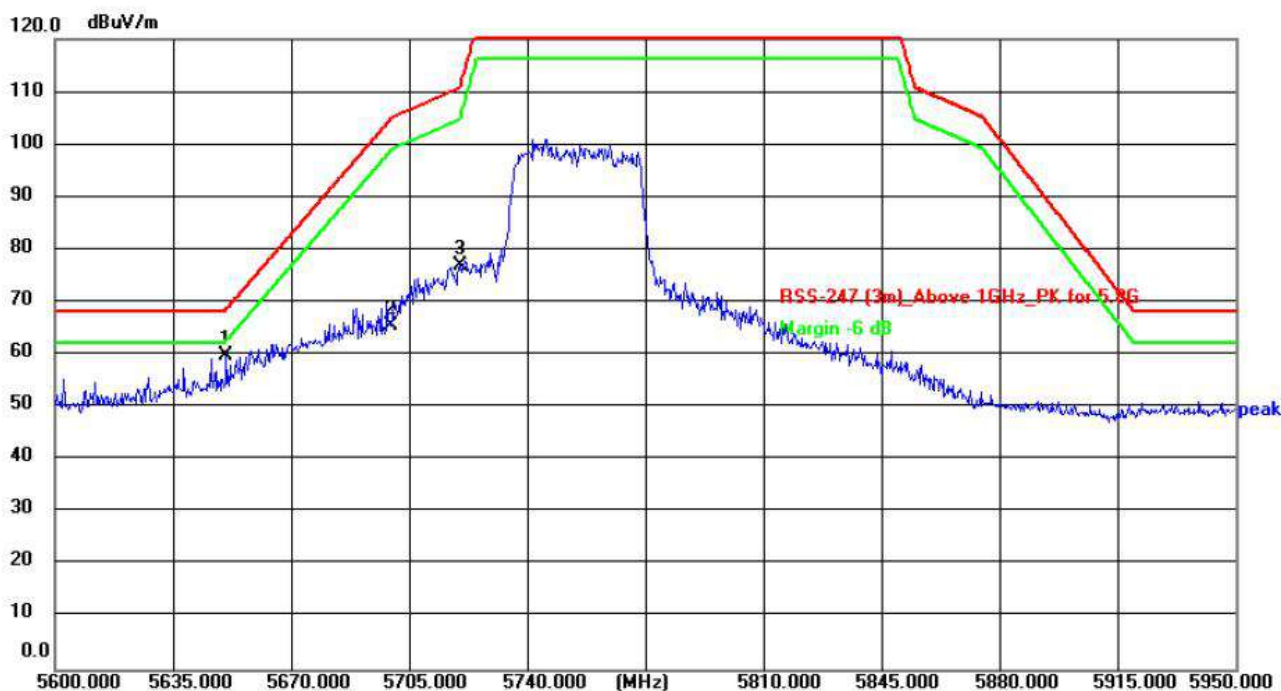
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	63.82	7.77	71.59	111.26	-39.67	peak
2	5875.100	60.09	7.81	67.90	105.12	-37.22	peak
3	5918.850	48.31	7.92	56.23	69.15	-12.92	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11 ax40 (5755MHz)



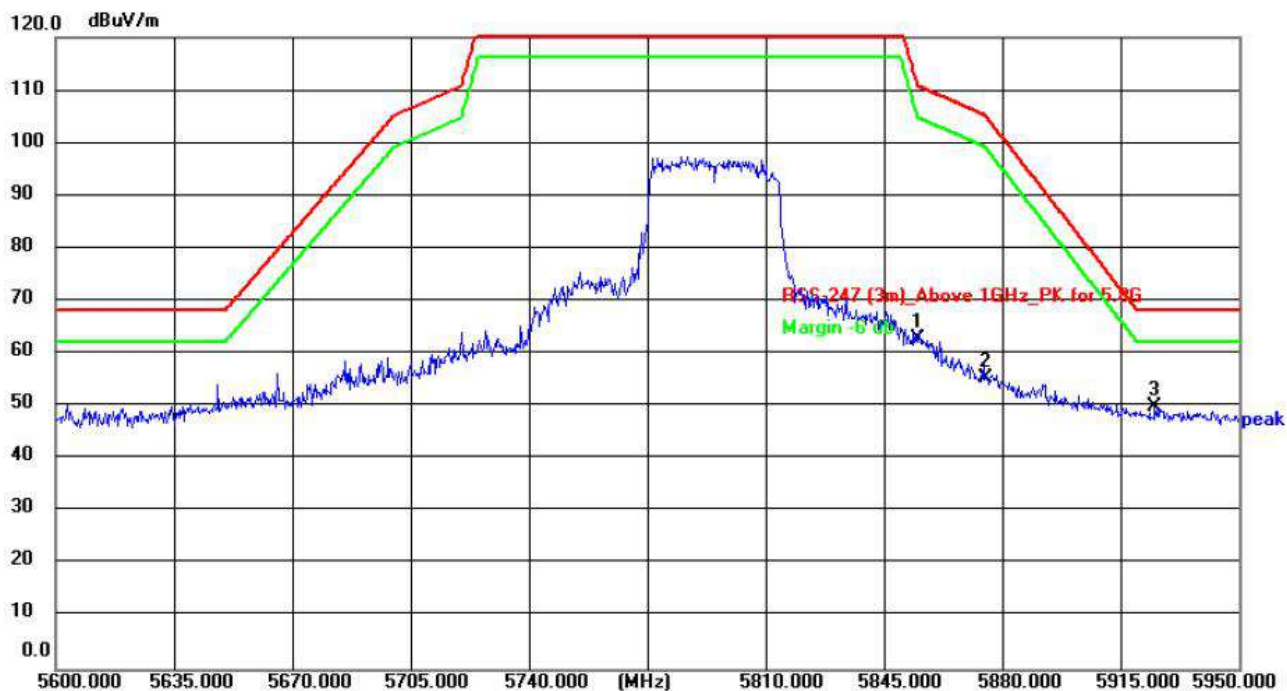
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5661.600	56.18	7.25	63.43	76.78	-13.35	peak
2	5699.750	67.18	7.23	74.41	105.02	-30.61	peak
3	5720.050	71.95	7.26	79.21	110.91	-31.70	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11ax40 (5755MHz)



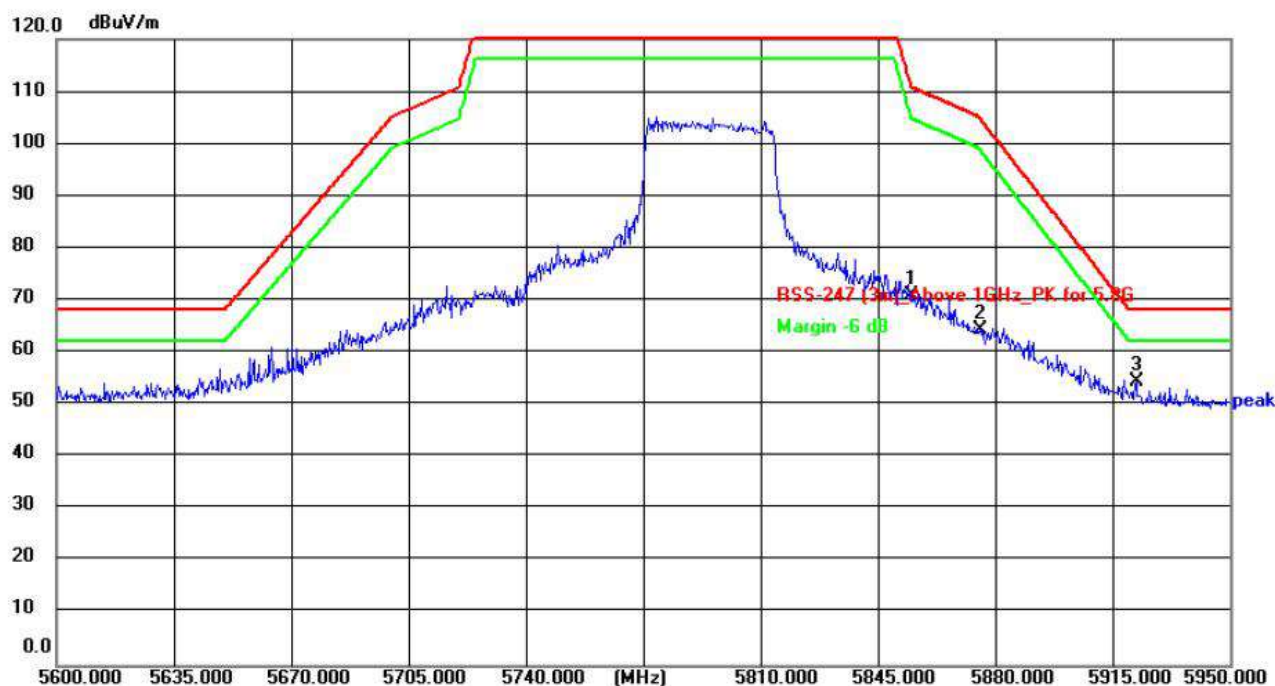
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5650.750	52.57	7.26	59.83	68.76	-8.93	peak
2	5699.750	58.25	7.23	65.48	105.02	-39.54	peak
3	5720.050	69.56	7.26	76.82	110.91	-34.09	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Horizontal
Test Voltage:	DC 3.7V	Mode	802.11ax40 (5795MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5855.150	55.05	7.77	62.82	110.76	-47.94	peak
2	5875.100	47.62	7.81	55.43	105.12	-49.69	peak
3	5925.150	41.93	7.93	49.86	68.20	-18.34	peak

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 3.7V	Mode	802.11 ax40 (5795MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5854.800	63.08	7.77	70.85	111.26	-40.41	peak
2	5875.450	56.51	7.81	64.32	104.83	-40.51	peak
3	5922.000	46.61	7.92	54.53	68.20	-13.67	peak

Note:

- Remark: Level=Reading+Factor
Factor=Cable Loss+ANT Factor-AMP Factor
Margin=Level - Factor

8 POWER SPECTRAL DENSITY TEST

8.1 Test Standard and Limit

According to FCC §15.407(3)

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum

power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

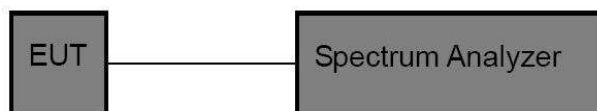
(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

8.2 Test Setup



8.3 Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above,
2. The testing follows FCC KDB 789033 D02.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. For U-NII1, U-NII-2A, U-NII-2C Band:
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
For U-NII-3 Band:
Set RBW=510 kHz, VBW=3*RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
5. User the cursor on spectrum to peak search the highest level of trace
6. Record the max. reading and add 10 log(1/duty cycle).

8.4 Test Data

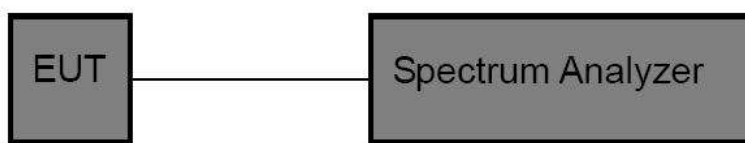
Please see the attachment for WIFI5.2G and WIFI5.8G data.

9 26DB & 6DB & 99% Emission Bandwidth Test

9.1 Test Standard

Test Standard	FCC Part15 C Section 15.407
	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band, the minimum bandwidth 6 dB bandwidth of U-NII devices shall be at least 500KHz. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

9.2 Test Setup



9.3 Test Procedure

The following procedure shall be used for measuring (6dB) power bandwidth:

- Set RBW = 100KHz.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 3.3 times the OBW.
- Set RBW = 1 % to 5 % of the OBW

4. Set $VBW \geq 3 \cdot RBW$

5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

6. Use the 99 % power bandwidth function of the instrument (if available).

7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

The following procedure shall be used for measuring (-26dB) power bandwidth:

1. Set resolution bandwidth (RBW)= approximately 1% to 5% of the EBW.
2. Set the video bandwidth (BW)>RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

9.4 Test Data

Please see the attachment for WIFI5.2G and WIFI5.8G data

10 Maximum Conducted Output Power

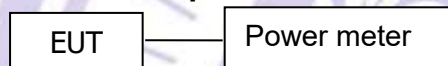
10.1 Test Standard and Limit

According to FCC §15.407

For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

For the band 5.725–5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

10.2 Test Setup



10.3 Test Procedure

Method PM is Measurement using an RF average power meter. The procedure for this method is as follows:

- a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
 - 1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
 - 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
 - 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle D of the transmitter output signal as described in 12.2.
- c) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- d) Correct the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle {e.g., $[10 \log (1 / 0.25)]$, if the duty cycle is 25%}.

10.4 Test Data

Please see the attachment for WIFI5.2G and WIFI5.8G data

11 Out of Band Emissions and Spurious Emission

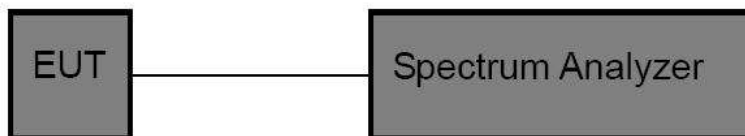
11.1 Test Standard and Limit

According to FCC §15.407(b)

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

11.2 Test Setup



11.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

11.4 Test Data

Note: The conducted spurious emissions test has compensated for the maximum line loss measurement, and the recorded data represents the worst-case scenario.

Please see the attachment for WIFI5.2G and WIFI5.8G data.

12 Frequency Stability Measurement

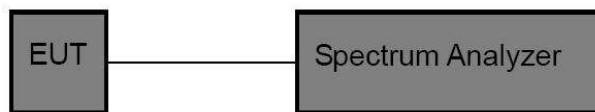
12.1 Test Standard and Limit

FCC

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

12.2 Test Setup



12.3 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$.

12.4 Test Data

Please see the attachment for WIFI5.2G and WIFI5.8G data

13 Antenna Requirement

13.1 Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: 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, 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. According to RSS-GEN section 6.8 The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list. For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below). When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

13.2 Antenna Connected Construction

The antenna is FPCB Antenna which permanently attached, and the best case gain of the antenna is 0.88dBi(WIFI5.2G); 2.47dBi(WIFI5.8G). It complies with the standard requirement.

14 TEST SETUP & EUT PHOTOGRAPH

Please see the attachment for details.

----- End of Report -----

