

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5198.200	55.49	-33.23	34.28	54.44	74.00	18.51	H
5285.600	55.67	-32.77	34.32	54.13	74.00	18.33	V
10479.850	44.52	-29.57	37.78	36.32	68.30	23.78	H
15720.250	46.97	-24.36	40.37	30.96	74.00	27.03	V
16854.350	51.50	-23.00	42.00	32.50	68.30	16.80	V
16972.050	52.07	-23.02	42.16	32.93	68.30	16.23	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5231.120	59.19	-33.36	34.29	58.26	74.00	14.81	V
5288.230	60.26	-32.74	34.32	58.68	74.00	13.74	H
10520.000	44.86	-29.65	37.81	36.70	68.30	23.44	V
15780.200	46.94	-24.20	40.44	30.70	74.00	27.06	V
16752.600	51.15	-23.05	41.86	32.34	68.30	17.15	V
17302.500	50.83	-22.81	41.83	31.80	68.30	17.47	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5246.630	58.31	-33.27	34.30	57.28	68.30	9.99	H
5311.600	60.24	-32.54	34.33	58.45	68.30	8.06	H
10560.150	43.49	-29.45	37.82	35.11	68.30	24.81	H
15840.150	48.12	-24.06	40.51	31.67	74.00	25.88	V
17248.150	51.12	-22.83	41.90	32.04	68.30	17.18	H
16846.100	51.64	-23.00	41.99	32.65	68.30	16.66	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.623	62.56	-32.29	34.34	60.51	74.00	11.44	V
5351.271	62.25	-32.29	34.34	60.20	74.00	11.75	H
10639.900	43.90	-29.30	37.86	35.34	74.00	30.10	V
15960.050	48.83	-23.82	40.65	32.00	74.00	25.17	V
16752.600	51.15	-23.05	41.86	32.34	68.30	17.15	H
17302.500	50.83	-22.81	41.83	31.80	68.30	17.47	V

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5467.757	55.99	-22.68	34.39	44.29	74.00	18.01	H
5468.852	55.83	-22.68	34.39	44.12	74.00	18.18	H
11000.150	45.10	-29.87	38.00	36.98	68.30	23.20	H
16500.150	49.10	-23.16	41.50	30.76	68.30	19.20	V
16990.200	52.12	-23.02	42.19	32.95	68.30	16.18	H
17663.950	51.77	-22.09	41.57	32.30	68.30	16.53	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5548.620	55.33	-22.61	34.49	43.45	68.30	12.97	V
5643.600	56.60	-22.84	34.67	44.77	68.30	11.70	V
11199.800	45.20	-30.43	38.08	37.55	68.30	23.10	V
16799.900	48.74	-23.00	41.92	29.81	68.30	19.56	V
17041.350	51.71	-23.03	42.15	32.58	68.30	16.59	V
17369.700	51.51	-22.97	41.75	32.73	68.30	16.79	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5727.825	58.71	-22.98	34.82	46.87	68.30	9.59	H
5729.450	58.51	-22.98	34.82	46.67	68.30	9.79	V
11400.000	46.30	-29.72	38.16	37.86	68.30	22.00	V
17100.200	49.09	-23.04	42.08	30.05	68.30	19.21	H
17464.300	51.76	-23.14	41.64	33.25	68.30	16.55	V
17682.650	51.34	-22.14	41.56	31.91	68.30	16.96	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5656.800	55.08	-22.84	34.69	43.22	68.30	13.22	V
5768.400	54.79	-22.91	34.89	42.80	68.30	13.51	H
11440.150	44.19	-29.46	38.18	35.48	68.30	24.11	H
16816.950	50.90	-23.00	41.95	31.95	68.30	17.40	V
16975.350	51.28	-23.02	42.17	32.14	68.30	17.02	V
17160.150	48.34	-22.97	42.01	29.30	68.30	19.96	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.350	60.21	-33.28	34.26	59.22	74.00	13.79	H
5149.310	61.24	-33.27	34.26	60.25	74.00	12.76	V
10379.750	44.09	-29.50	37.66	35.93	68.30	24.21	H
15570.100	46.66	-24.50	40.19	30.98	74.00	27.34	H
16650.850	51.19	-23.26	41.71	32.74	68.30	17.11	V
17281.700	51.33	-22.77	41.86	32.25	68.30	16.97	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5163.000	53.93	-33.24	34.27	52.90	74.00	20.07	H
5305.000	53.92	-32.60	34.32	52.20	74.00	20.08	H
10460.050	44.50	-29.49	37.75	36.23	68.30	23.80	H
15690.000	47.50	-24.44	40.33	31.61	74.00	26.50	H
16870.850	51.92	-23.00	42.02	32.90	68.30	16.38	V
17221.750	51.64	-22.87	41.93	32.57	68.30	16.66	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5225.360	57.16	-33.34	34.29	56.21	74.00	16.84	V
5326.840	57.46	-32.42	34.33	55.55	74.00	16.54	V
10539.800	45.04	-29.55	37.82	36.77	68.30	23.26	V
15809.900	48.55	-24.12	40.47	32.20	74.00	25.45	V
16956.100	51.88	-23.01	42.14	32.75	68.30	16.42	V
17302.000	51.72	-22.81	41.84	32.69	68.30	16.58	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.395	64.82	-32.29	34.34	62.77	74.00	9.18	H
5351.257	64.53	-32.29	34.34	62.48	74.00	9.47	H
10620.100	44.49	-29.20	37.85	35.83	74.00	29.51	H
15929.800	49.06	-23.88	40.62	32.32	74.00	24.94	H
16755.350	51.89	-23.04	41.86	33.07	68.30	16.41	H
17041.350	51.88	-23.03	42.15	32.75	68.30	16.42	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5467.413	55.58	-22.68	34.39	43.88	68.30	12.72	V
5468.680	55.53	-22.68	34.39	43.82	68.30	12.77	H
11019.950	46.55	-29.83	38.01	38.37	68.30	21.75	V
16529.850	48.60	-23.21	41.54	30.26	68.30	19.70	V
17026.500	51.68	-23.03	42.17	32.54	68.30	16.62	H
17650.200	51.13	-22.06	41.57	31.63	68.30	17.17	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5541.200	55.26	-22.62	34.48	43.40	68.30	13.04	H
5638.400	55.89	-22.84	34.66	44.08	68.30	12.41	H
11180.000	45.46	-30.45	38.07	37.83	68.30	22.84	V
16770.200	49.52	-23.01	41.88	30.64	68.30	18.79	V
17062.250	51.22	-23.03	42.12	32.13	68.30	17.08	V
17544.050	51.57	-22.61	41.59	32.59	68.30	16.73	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5727.762	55.53	-22.98	34.82	43.69	68.30	12.77	H
5729.925	55.86	-22.98	34.82	44.02	68.30	12.44	V
11340.050	45.47	-30.03	38.14	37.36	68.30	22.83	H
17010.000	50.09	-23.02	42.19	30.93	68.30	18.21	V
17320.200	51.81	-22.85	41.81	32.85	68.30	16.49	H
17663.400	51.86	-22.09	41.57	32.38	68.30	16.44	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5646.800	54.35	-22.84	34.67	42.52	68.30	13.95	H
5772.200	53.70	-22.90	34.90	41.70	68.30	14.60	V
11419.800	46.25	-29.59	38.17	37.68	68.30	22.05	V
16538.650	50.54	-23.22	41.55	32.21	68.30	17.76	V
17129.900	48.09	-23.02	42.04	29.06	68.30	20.21	V
17450.000	50.92	-23.16	41.66	32.42	68.30	17.38	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.245	59.25	-33.28	34.26	58.27	74.00	14.75	V
5149.975	59.26	-33.27	34.26	58.27	74.00	14.74	H
10359.950	44.18	-29.67	37.63	36.21	68.30	24.12	H
15539.850	47.98	-24.49	40.15	32.32	74.00	26.02	H
16830.700	51.39	-23.00	41.97	32.43	68.30	16.91	H
16916.500	51.46	-23.01	42.08	32.38	68.30	16.84	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5161.600	54.35	-33.24	34.27	53.32	68.30	13.95	V
5237.600	54.67	-33.39	34.30	53.76	68.30	13.63	H
10400.100	44.02	-29.32	37.68	35.65	68.30	24.28	H
15599.800	47.84	-24.52	40.22	32.14	74.00	26.16	V
16855.450	51.41	-23.00	42.00	32.41	68.30	16.89	H
16941.800	51.34	-23.01	42.12	32.23	68.30	16.96	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5192.000	54.92	-33.21	34.28	53.85	74.00	19.08	V
5287.200	54.32	-32.75	34.32	52.76	74.00	19.68	V
10479.850	44.51	-29.57	37.78	36.30	68.30	23.79	V
15720.250	47.36	-24.36	40.37	31.35	74.00	26.64	V
16736.100	51.02	-23.08	41.83	32.26	68.30	17.28	V
17235.500	51.41	-22.85	41.92	32.35	68.30	16.88	H

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5231.000	60.08	-33.36	34.29	59.15	74.00	13.92	H
5289.650	59.71	-32.72	34.32	58.12	74.00	14.29	H
10460.050	44.49	-29.49	37.75	36.22	68.30	23.81	H
15690.000	47.30	-24.44	40.33	31.40	68.30	21.00	V
16468.250	50.93	-23.11	41.45	32.59	68.30	17.37	H
17501.150	51.53	-22.89	41.60	32.82	68.30	16.77	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5249.250	58.61	-33.24	34.30	57.55	68.30	9.69	H
5309.830	60.60	-32.56	34.33	58.83	68.30	7.70	H
10560.150	45.20	-29.45	37.82	36.82	68.30	23.10	V
15840.150	49.11	-24.06	40.51	32.66	68.30	19.19	H
16171.250	50.40	-23.27	40.98	32.70	68.30	17.90	V
17248.150	51.86	-22.83	41.90	32.79	68.30	16.44	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.116	61.52	-32.29	34.34	59.47	74.00	12.48	H
5350.164	61.83	-32.29	34.34	59.78	74.00	12.17	V
10639.900	46.50	-29.30	37.86	37.94	74.00	27.50	V
15960.050	50.13	-23.82	40.65	33.30	74.00	23.87	V
16170.150	50.35	-23.28	40.98	32.65	68.30	17.95	V
17538.550	51.18	-22.65	41.59	32.24	68.30	17.12	V

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5469.017	54.84	-22.68	34.39	43.14	74.00	19.16	H
5469.858	55.15	-22.68	34.39	43.44	74.00	18.86	H
11000.150	45.41	-29.87	38.00	37.28	68.30	22.89	H
16500.150	48.75	-23.16	41.50	30.41	68.30	19.55	V
16998.450	51.52	-23.02	42.20	32.34	68.30	16.78	V
17605.650	52.29	-22.20	41.58	32.91	68.30	16.01	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5534.800	54.51	-22.62	34.47	42.67	68.30	13.79	V
5668.000	54.86	-22.84	34.71	42.98	68.30	13.44	V
11199.800	47.28	-30.43	38.08	39.63	68.30	21.02	V
16799.900	49.15	-23.00	41.92	30.23	68.30	19.15	H
17036.400	51.66	-23.03	42.16	32.53	68.30	16.64	V
17629.300	51.28	-22.05	41.57	31.75	68.30	17.02	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5728.988	57.06	-22.98	34.82	45.22	68.30	11.24	V
5729.650	57.14	-22.98	34.82	45.30	68.30	11.16	V
11400.100	46.19	-29.72	38.16	37.75	68.30	22.11	H
17100.200	49.13	-23.04	42.08	30.09	68.30	19.17	V
17262.450	51.17	-22.81	41.88	32.09	68.30	17.13	V
17665.305	53.04	-22.10	41.57	33.57	68.30	15.26	H

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5691.400	55.09	-22.89	34.75	43.23	68.30	13.21	V
5751.800	55.14	-22.94	34.86	43.21	68.30	13.16	H
11440.150	43.51	-29.46	38.18	34.80	68.30	24.79	V
16610.700	50.97	-23.34	41.66	32.65	68.30	17.33	V
17160.150	49.24	-22.97	42.01	30.20	68.30	19.06	H
17195.900	50.85	-22.91	41.96	31.80	68.30	17.45	H

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.557	63.17	-33.28	34.26	62.18	74.00	10.83	H
5149.975	63.82	-33.27	34.26	62.83	74.00	10.18	H
10379.750	44.02	-29.50	37.66	35.86	68.30	24.28	V
15570.100	48.30	-24.50	40.19	32.62	74.00	25.70	H
17042.450	51.36	-23.03	42.15	32.24	68.30	16.94	H
17154.650	51.09	-22.98	42.01	32.05	68.30	17.21	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5157.800	53.15	-33.25	34.27	52.14	74.00	20.85	V
5290.200	54.12	-32.72	34.32	52.52	74.00	19.88	H
10460.050	43.95	-29.49	37.75	35.68	68.30	24.35	H
15690.000	47.89	-24.44	40.33	32.00	74.00	26.11	V
16854.900	51.46	-23.00	42.00	32.47	68.30	16.84	V
17242.650	51.36	-22.84	41.91	32.29	68.30	16.94	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5205.230	55.32	-33.26	34.28	54.29	74.00	18.68	V
5342.250	56.17	-32.30	34.34	54.13	74.00	17.83	V
10539.800	44.98	-29.55	37.82	36.71	68.30	23.32	H
15809.000	47.72	-24.12	40.47	31.37	74.00	26.28	H
16984.150	51.37	-23.02	42.18	32.21	68.30	16.93	V
17252.000	50.78	-22.82	41.90	31.71	68.30	17.52	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.271	62.04	-32.29	34.34	59.99	74.00	11.96	V
5353.566	60.18	-32.29	34.34	58.13	74.00	13.82	V
10620.100	44.18	-29.20	37.85	35.53	74.00	29.82	H
15929.800	48.51	-23.88	40.62	31.77	74.00	25.49	H
16656.900	51.34	-23.25	41.72	32.87	68.30	16.96	H
16874.150	51.55	-23.00	42.03	32.53	68.30	16.75	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5460.392	55.83	-22.69	34.38	44.13	68.30	12.47	H
5464.030	56.10	-22.69	34.39	44.40	68.30	12.20	H
11019.950	46.01	-29.83	38.01	37.83	68.30	22.29	V
16529.850	49.13	-23.21	41.54	30.79	68.30	19.17	H
17008.900	51.23	-23.02	42.19	32.06	68.30	17.07	H
17495.100	51.47	-22.93	41.61	32.80	68.30	16.83	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5542.000	55.39	-22.61	34.48	43.53	68.30	12.91	V
5639.000	56.66	-22.84	34.66	44.84	68.30	11.64	H
11180.000	45.09	-30.45	38.07	37.46	68.30	23.21	V
16770.200	48.75	-23.01	41.88	29.88	68.30	19.55	V
17127.700	51.86	-23.02	42.05	32.83	68.30	16.44	H
17668.350	52.14	-22.10	41.57	32.68	68.30	16.16	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5729.950	56.04	-22.98	34.82	44.19	68.30	12.26	V
5736.625	56.09	-22.97	34.84	44.22	68.30	12.21	V
11340.050	45.14	-30.03	38.14	37.03	68.30	23.16	H
17010.000	51.24	-23.02	42.19	32.08	68.30	17.06	V
17337.800	51.24	-22.89	41.79	32.34	68.30	17.06	H
17671.650	51.28	-22.11	41.57	31.83	68.30	17.02	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5646.800	54.35	-22.84	34.67	42.52	68.30	13.95	H
5772.200	53.70	-22.90	34.90	41.70	68.30	14.60	H
11419.800	45.03	-29.59	38.17	36.46	68.30	23.27	V
16451.750	50.70	-23.08	41.42	32.37	68.30	17.59	V
16868.100	50.92	-23.00	42.02	31.91	68.30	17.38	H
17129.900	48.32	-23.02	42.04	29.29	68.30	19.98	V

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5145.057	58.47	-23.28	34.32	47.43	74.00	15.54	H
5149.362	59.10	-23.27	34.32	48.05	74.00	14.90	V
10419.900	44.77	-29.32	37.54	36.55	68.30	23.53	V
15630.050	47.78	-24.54	40.36	31.96	74.00	26.22	V
16468.800	52.09	-23.11	41.36	33.84	68.30	16.21	H
16976.450	51.35	-23.02	41.69	32.68	68.30	16.95	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.419	60.87	-22.29	34.49	48.68	74.00	13.10	V
5355.172	60.18	-22.29	34.49	47.99	74.00	13.80	H
10579.950	44.16	-29.35	37.65	35.86	68.30	24.14	V
15869.850	46.97	-24.00	40.65	30.32	74.00	27.04	V
16894.500	51.36	-23.01	41.64	32.73	68.30	16.94	V
17162.900	51.41	-22.96	41.54	32.84	68.30	16.89	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5461.698	61.47	-22.69	34.57	49.59	68.30	6.83	V
5464.398	60.19	-22.69	34.57	48.30	68.30	8.11	H
11060.150	44.10	-29.86	37.97	35.99	68.30	24.20	V
16590.250	50.34	-23.31	41.45	32.19	68.30	17.96	H
17726.550	51.02	-22.24	41.25	32.01	68.30	17.28	H
17793.250	51.23	-22.39	41.26	32.37	68.30	17.07	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5726.312	55.82	-22.98	34.88	43.92	68.30	12.48	V
5726.675	55.47	-22.98	34.88	43.57	68.30	12.83	H
11220.250	44.35	-30.41	38.17	36.59	68.30	23.95	V
16830.550	51.23	-23.00	41.60	32.63	68.30	17.07	V
17752.600	51.03	-22.30	41.25	32.08	68.30	17.27	V
17312.500	50.86	-22.83	41.39	32.30	68.30	17.44	H

Channel 138

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5567.200	53.99	-22.64	34.68	41.95	68.30	14.31	H
5804.600	53.28	-22.73	34.97	41.04	68.30	15.02	H
11340.150	44.38	-30.03	38.31	36.10	68.30	23.92	V
17010.250	50.95	-23.02	41.69	32.28	68.30	17.35	H
17505.000	50.25	-22.87	41.20	31.92	68.30	18.05	H
17875.800	51.28	-22.57	41.28	32.57	68.30	17.02	H

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Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5139.142	61.24	-23.30	34.32	50.22	74.00	12.80	V
5146.807	60.32	-23.28	34.32	49.27	74.00	13.70	V
10500.200	45.11	-29.66	37.60	37.16	68.30	23.19	H
15749.950	47.22	-24.28	40.50	30.99	74.00	26.78	V
5350.521	66.35	-22.29	34.48	54.16	74.00	7.70	H
5353.647	67.12	-22.29	34.49	54.93	74.00	6.90	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5468.193	60.59	-22.68	34.58	48.70	68.30	7.71	V
5468.695	60.41	-22.68	34.58	48.52	68.30	7.88	V
11140.250	44.34	-30.37	38.07	36.64	68.30	23.96	H
16710.000	50.89	-23.13	41.53	32.50	68.30	17.41	H
16752.750	51.31	-23.05	41.55	32.80	68.30	16.99	H
17312.500	50.93	-22.83	41.39	32.37	68.30	17.37	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.385	58.06	-33.28	34.26	57.07	74.00	15.94	V
5148.698	58.93	-33.27	34.26	57.94	74.00	15.07	V
10359.950	45.16	-29.67	37.63	37.20	68.30	23.13	H
15539.850	47.29	-24.49	40.15	31.63	74.00	26.71	V
16727.300	51.40	-23.10	41.82	32.68	68.30	16.90	H
17120.000	51.59	-23.03	42.05	32.56	68.30	16.71	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5159.600	54.61	-33.25	34.27	53.59	74.00	19.39	V
5242.400	54.36	-33.32	34.30	53.38	74.00	19.64	V
10400.100	44.59	-29.32	37.68	36.22	68.30	23.71	V
15599.800	47.22	-24.52	40.22	31.52	68.30	21.08	H
16648.100	51.48	-23.26	41.71	33.04	68.30	16.82	V
16787.800	51.69	-23.00	41.91	32.78	68.30	16.61	H

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5196.600	54.38	-33.22	34.28	53.32	74.00	19.62	H
5291.000	54.50	-32.71	34.32	52.89	74.00	19.50	V
10479.850	44.02	-29.57	37.78	35.82	68.30	24.28	H
15720.250	47.43	-24.36	40.37	31.42	68.30	20.87	H
16630.500	51.10	-23.30	41.68	32.72	68.30	17.20	V
16957.200	51.96	-23.01	42.14	32.83	68.30	16.34	H

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5203.500	55.66	-33.25	34.28	54.62	74.00	18.34	H
5290.800	59.87	-32.71	34.32	58.26	74.00	14.13	V
10520.000	44.92	-29.65	37.81	36.76	68.30	23.38	V
15780.200	47.66	-24.20	40.44	31.42	68.30	20.64	H
16373.100	51.91	-23.10	41.30	33.72	68.30	16.39	H
17111.200	51.54	-23.04	42.07	32.51	68.30	16.76	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5247.360	58.41	-33.26	34.30	57.37	68.30	9.89	V
5313.060	60.99	-32.53	34.33	59.19	68.30	7.31	V
10560.150	44.49	-29.45	37.82	36.11	68.30	23.81	H
15840.150	48.56	-24.06	40.51	32.11	68.30	19.74	H
16818.600	52.19	-23.00	41.95	33.24	68.30	16.11	V
17402.700	50.68	-23.05	41.72	32.02	68.30	17.62	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.743	61.09	-32.29	34.34	59.04	74.00	12.91	H
5351.083	61.20	-32.29	34.34	59.14	74.00	12.80	V
10639.900	44.56	-29.30	37.86	36.00	68.30	23.74	H
15960.050	47.70	-23.82	40.65	30.87	68.30	20.60	H
16405.000	50.23	-23.09	41.35	31.98	68.30	18.07	V
16875.800	51.58	-23.00	42.03	32.55	68.30	16.72	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5461.652	55.55	-22.69	34.39	43.85	68.30	12.75	H
5465.852	55.08	-22.68	34.39	43.38	68.30	13.22	V
11000.150	46.04	-29.87	38.00	37.91	68.30	22.26	V
16500.150	49.05	-23.16	41.50	30.72	68.30	19.25	V
17160.700	52.09	-22.97	42.01	33.06	68.30	16.21	V
17593.550	51.63	-22.28	41.58	32.33	68.30	16.67	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5570.000	60.22	-22.65	34.53	48.34	68.30	8.08	H
5628.800	59.46	-22.85	34.64	47.66	68.30	8.84	H
11199.800	45.59	-30.43	38.08	37.93	68.30	22.71	V
16799.900	48.83	-23.00	41.92	29.91	68.30	19.47	V
17032.550	51.96	-23.03	42.16	32.83	68.30	16.34	V
17272.900	52.14	-22.79	41.87	33.06	68.30	16.16	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5727.587	57.56	-22.98	34.82	45.72	68.30	10.74	V
5728.650	57.23	-22.98	34.82	45.39	68.30	11.07	V
11400.000	45.10	-29.72	38.16	36.65	68.30	23.20	V
17100.200	49.60	-23.04	42.08	30.56	68.30	18.70	V
17250.900	51.61	-22.82	41.90	32.54	68.30	16.69	V
17646.900	51.53	-22.05	41.57	32.02	68.30	16.77	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5636.400	55.66	-22.84	34.65	43.79	68.30	12.64	H
5779.200	54.36	-22.88	34.91	42.44	68.30	13.94	H
11440.150	43.87	-29.46	38.18	35.15	68.30	24.43	V
16649.200	52.47	-23.26	41.71	34.15	68.30	15.83	V
17008.350	51.24	-23.02	42.19	32.21	68.30	17.06	V
17160.150	48.39	-22.97	42.01	29.33	68.30	19.91	H

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.525	63.27	-33.28	34.26	62.28	74.00	10.73	H
5149.555	58.93	-33.27	34.26	57.94	74.00	15.07	H
10389.750	44.40	-29.41	37.67	36.14	68.30	23.90	H
15570.100	47.78	-24.50	40.19	32.10	74.00	26.22	H
16744.900	51.10	-23.06	41.85	32.32	68.30	17.20	V
17220.100	51.45	-22.87	41.93	32.39	68.30	16.85	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5169.800	54.30	-33.22	34.27	53.25	74.00	19.70	H
5295.000	53.82	-32.68	34.32	52.18	74.00	20.18	H
10460.050	43.73	-29.49	37.75	35.47	68.30	24.57	V
15690.000	47.51	-24.44	40.33	31.62	74.00	26.49	V
16870.850	51.66	-23.00	42.02	32.65	68.30	16.64	V
17034.200	51.35	-23.03	42.16	32.22	68.30	16.95	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5208.800	55.55	-33.27	34.29	54.54	74.00	18.45	V
5323.680	56.52	-32.45	34.33	54.63	74.00	17.48	H
10539.800	44.19	-29.55	37.82	35.93	68.30	24.11	H
15809.900	48.56	-24.12	40.47	32.21	74.00	25.44	V
16935.200	51.19	-23.01	42.11	32.09	68.30	17.11	H
17241.550	51.20	-22.84	41.91	32.13	68.30	17.10	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.421	62.15	-32.29	34.34	60.10	74.00	11.85	H
5351.730	61.72	-32.29	34.34	59.67	74.00	12.28	H
10620.100	44.33	-29.20	37.85	35.68	74.00	29.67	H
15929.800	48.11	-23.88	40.62	31.37	74.00	25.89	H
16846.650	51.04	-23.00	41.99	32.05	68.30	17.26	H
17463.750	50.95	-23.14	41.64	32.45	68.30	17.35	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5466.355	56.49	-22.68	34.39	44.79	68.30	11.81	H
5469.820	56.81	-22.68	34.39	45.10	68.30	11.49	V
11020.250	46.12	-29.83	38.01	37.94	68.30	22.18	H
16529.750	49.24	-23.21	41.54	30.91	68.30	19.06	H
17009.250	51.42	-23.02	42.19	32.25	68.30	16.88	V
17495.250	51.38	-22.93	41.61	32.71	68.30	16.92	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5546.800	56.41	-22.61	34.49	44.54	68.30	11.89	V
5636.200	57.71	-22.84	34.65	45.90	68.30	10.59	V
11180.150	45.12	-30.45	38.07	37.49	68.30	23.18	V
16772.250	48.95	-23.00	41.88	30.07	68.30	19.35	V
17128.500	51.92	-23.02	42.04	32.90	68.30	16.38	H
17669.550	52.25	-22.11	41.57	32.79	68.30	16.05	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5726.675	56.05	-22.98	34.82	44.21	68.30	12.25	V
5727.837	55.56	-22.98	34.82	43.72	68.30	12.74	V
11340.150	45.22	-30.03	38.14	37.11	68.30	23.08	H
17010.150	51.32	-23.02	42.19	32.16	68.30	16.98	V
17337.850	51.25	-22.89	41.79	32.35	68.30	17.05	H
17671.850	51.25	-22.11	41.57	31.80	68.30	17.05	V

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5640.200	53.98	-22.84	34.66	42.16	68.30	14.32	H
5786.800	53.64	-22.86	34.93	41.58	68.30	14.66	H
11419.800	44.73	-29.59	38.17	36.16	68.30	23.57	V
16494.650	50.84	-23.15	41.49	32.50	68.30	17.46	V
17129.900	48.42	-23.02	42.04	29.40	68.30	19.88	V
17458.250	50.88	-23.18	41.65	32.41	68.30	17.42	H

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.455	58.03	-23.28	34.32	46.99	74.00	15.97	V
5148.855	59.50	-23.27	34.32	48.45	74.00	14.50	V
10419.900	44.89	-29.32	37.54	36.67	68.30	23.41	H
15630.050	48.62	-24.54	40.36	32.80	74.00	25.38	H
16758.100	51.25	-23.03	41.56	32.72	68.30	17.05	V
17041.350	51.66	-23.03	41.66	33.03	68.30	16.64	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.704	60.53	-22.29	34.48	48.33	74.00	13.47	V
5352.985	60.21	-22.29	34.49	48.01	74.00	13.79	V
10579.950	44.91	-29.35	37.65	36.61	68.30	23.39	V
15869.850	48.20	-24.00	40.65	31.55	74.00	25.80	V
16920.350	51.30	-23.01	41.65	32.66	68.30	17.00	H
17270.150	50.92	-22.79	41.43	32.29	68.30	17.38	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5462.185	60.17	-22.69	34.57	48.29	68.30	8.13	V
5465.770	60.49	-22.68	34.57	48.60	68.30	7.81	V
11061.350	44.13	-29.87	37.98	36.03	68.30	24.17	H
16593.250	50.25	-23.31	41.46	32.11	68.30	18.05	H
17726.550	51.07	-22.24	41.25	32.07	68.30	17.23	H
17793.750	51.12	-22.40	41.26	32.26	68.30	17.18	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.150	54.88	-22.97	34.88	42.98	68.30	13.42	V
5725.450	54.55	-22.98	34.88	42.65	68.30	13.75	V
11221.000	44.35	-30.41	38.17	36.59	68.30	23.95	H
16830.150	51.04	-23.00	41.60	32.44	68.30	17.26	H
17755.350	51.13	-22.31	41.25	32.19	68.30	17.16	V
17314.250	50.76	-22.84	41.38	32.21	68.30	17.54	V

Channel 138

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5529.600	55.80	-22.62	34.64	43.79	68.30	12.50	H
5827.200	55.26	-22.56	35.00	42.82	68.30	13.04	H
11340.350	44.38	-30.03	38.31	36.09	68.30	23.92	V
17010.475	50.95	-23.02	41.69	32.28	68.30	17.35	V
17615.000	50.25	-22.14	41.22	31.17	68.30	18.05	V
17877.600	51.34	-22.57	41.28	32.64	68.30	16.96	V

802.11ax-HT160

Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5143.815	60.51	-23.29	34.32	49.48	74.00	13.49	V
5148.557	59.37	-23.28	34.32	48.33	74.00	14.63	V
10500.200	44.73	-29.66	37.60	36.79	68.30	23.57	H
15749.950	47.43	-24.28	40.50	31.21	74.00	26.57	V
5354.578	66.63	-22.29	34.49	54.43	74.00	7.37	H
5354.822	66.65	-22.29	34.49	54.45	74.00	7.35	V

Channel 114

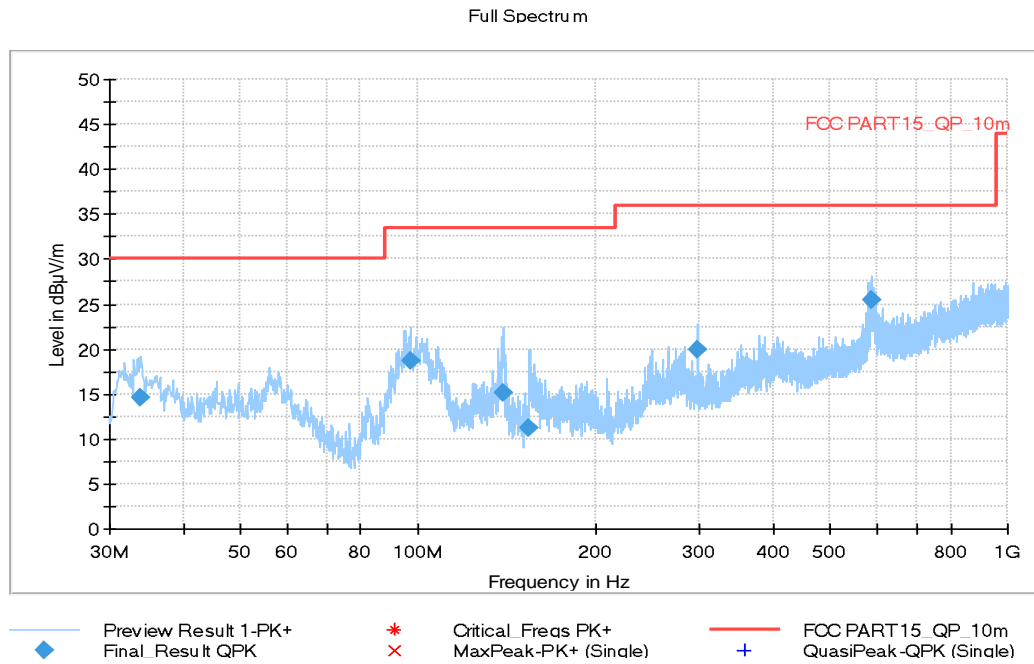
Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5467.090	59.97	-22.68	34.57	48.07	68.30	8.33	V
5468.005	59.41	-22.68	34.58	47.52	68.30	8.88	V
11140.000	44.27	-30.36	38.07	36.56	68.30	24.03	H
16710.250	50.79	-23.13	41.53	32.40	68.30	17.51	V
5726.425	61.73	-22.98	34.88	49.83	68.30	6.57	V
5727.738	61.55	-22.98	34.88	49.65	68.30	6.75	H

Note: the spurious emission above 18G is noise only and did not show on the report.

Conclusion: PASS

C.1.2 Radiated Spurious Emission- Below 1GHz

WOSRT CASE BELOW 1GHz



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)
33.88000	14.60	30.00	15.40	120.000	283.0	V	-30.0
96.93000	18.75	33.52	14.77	120.000	100.0	V	315.0
139.2220	15.12	33.52	18.40	120.000	114.0	V	45.0
154.6450	11.25	33.52	22.27	120.000	287.0	H	180.0
296.9440	19.91	36.02	16.11	120.000	108.0	V	-18.0
587.2650	25.51	36.02	10.51	120.000	223.0	V	-31.0

Note: 10 meters' limit is got by converting from 3 meters test distance.

Limit (10m) = limit (3m) + 20(log (3/10))

BELOW 30MHz

No emissions were found within 20dB of the limit below 30MHz.

C.1.3 Band Edges Compliance– Radiated

INNOWAVE:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
	5320 MHz	Fig.2	P
	5500 MHz	Fig.3	P
	5700 MHz	Fig.4	P
802.11n HT20	5180 MHz	Fig.5	P
	5320 MHz	Fig.6	P
	5500 MHz	Fig.7	P
	5700 MHz	Fig.8	P
802.11n HT40	5190 MHz	Fig.9	P
	5310 MHz	Fig.10	P
	5510 MHz	Fig.11	P
	5670 MHz	Fig.12	P
802.11ax HT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ax HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ax HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
802.11ax HT160	5250MHz	Fig.24	P
	5250MHz	Fig.25	P
	5570MHz	Fig.26	P
802.11ac HT20	5180 MHz	Fig.27	P
	5320 MHz	Fig.28	P
	5500 MHz	Fig.29	P
	5700 MHz	Fig.30	P
802.11ac HT40	5190 MHz	Fig.31	P
	5310 MHz	Fig.32	P
	5510 MHz	Fig.33	P
	5670 MHz	Fig.34	P
802.11ac HT80	5210MHz	Fig.35	P
	5290MHz	Fig.36	P
	5530MHz	Fig.37	P

Mode	Channel	Test Results	Conclusion
802.11ac HT160	5250MHz	Fig.38	P
	5250MHz	Fig.39	P
	5570MHz	Fig.40	P

The measurements were performed separately in Chain A, Chain B, and MIMO (Chain A+B), and only the worst cases are shown in this section.

Conclusion: PASS

SPEED:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.41	P
	5320 MHz	Fig.42	P
	5500 MHz	Fig.43	P
	5700 MHz	Fig.44	P
802.11n HT20	5180 MHz	Fig.45	P
	5320 MHz	Fig.46	P
	5500 MHz	Fig.47	P
	5700 MHz	Fig.48	P
802.11n HT40	5190 MHz	Fig.49	P
	5310 MHz	Fig.50	P
	5510 MHz	Fig.51	P
	5670 MHz	Fig.52	P
802.11ax HT20	5180 MHz	Fig.53	P
	5320 MHz	Fig.54	P
	5500 MHz	Fig.55	P
	5700 MHz	Fig.56	P
802.11ax HT40	5190 MHz	Fig.57	P
	5310 MHz	Fig.58	P
	5510 MHz	Fig.59	P
	5670 MHz	Fig.60	P
802.11ax HT80	5210MHz	Fig.61	P
	5290MHz	Fig.62	P
	5530MHz	Fig.63	P
802.11ax HT160	5250MHz	Fig.64	P
	5250MHz	Fig.65	P
	5570MHz	Fig.66	P

Mode	Channel	Test Results	Conclusion
802.11ac HT20	5180 MHz	Fig.67	P
	5320 MHz	Fig.68	P
	5500 MHz	Fig.69	P
	5700 MHz	Fig.70	P
802.11ac HT40	5190 MHz	Fig.71	P
	5310 MHz	Fig.72	P
	5510 MHz	Fig.73	P
	5670 MHz	Fig.74	P
802.11ac HT80	5210MHz	Fig.75	P
	5290MHz	Fig.76	P
	5530MHz	Fig.77	P
802.11ac HT160	5250MHz	Fig.78	P
	5250MHz	Fig.79	P
	5570MHz	Fig.80	P

The measurements were performed separately in Chain A, Chain B, and MIMO (Chain A+B), and only the worst cases are shown in this section.

Conclusion: PASS

Test graphs as below:

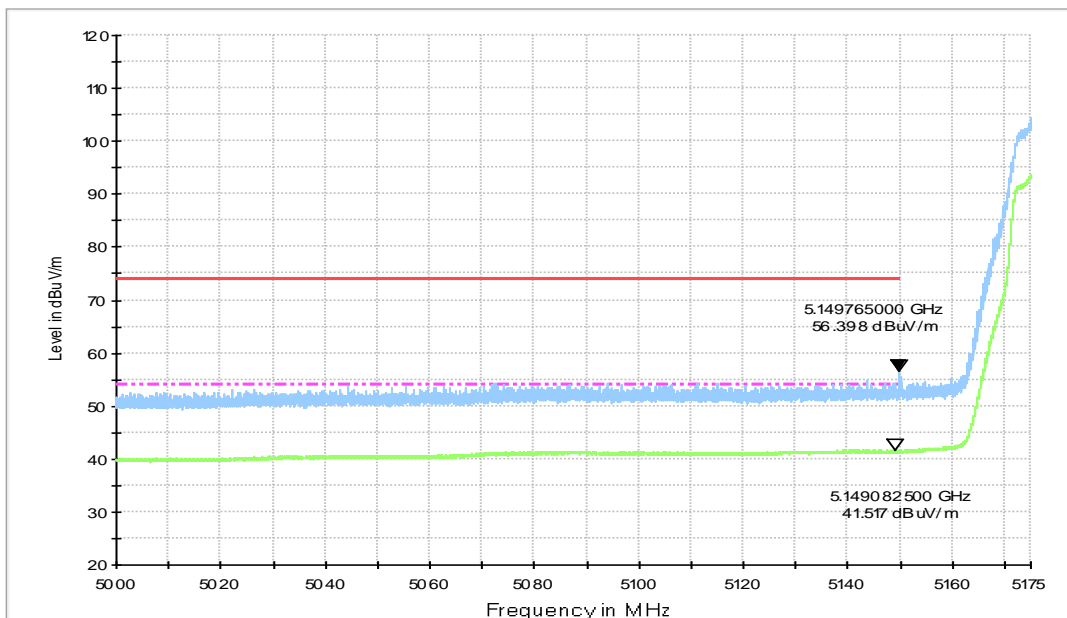


Fig.1 Band Edges (802.11a, 5180MHz)

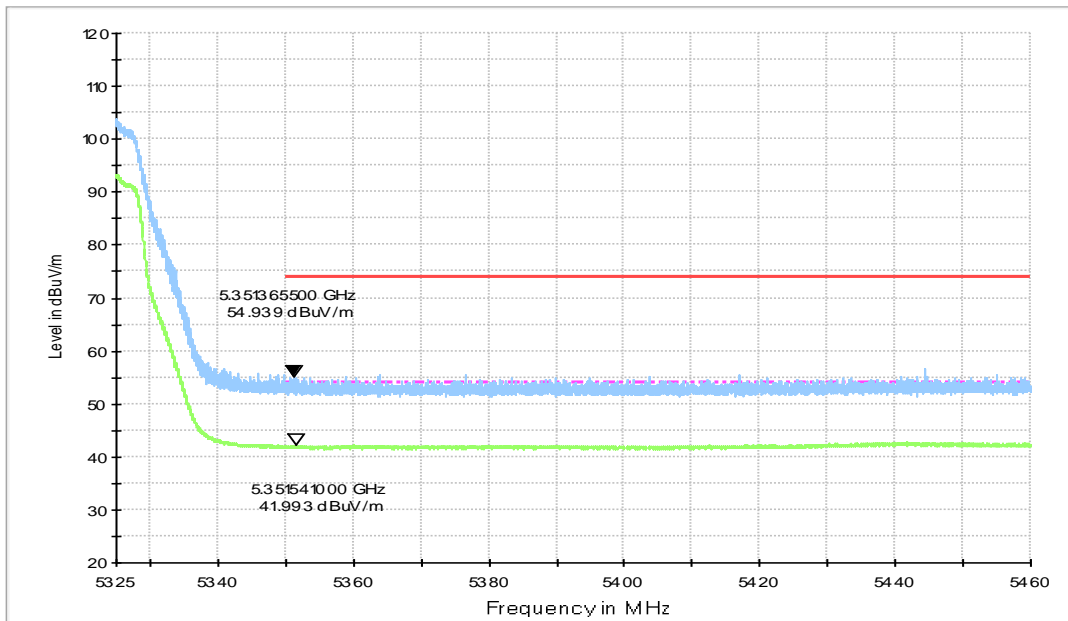


Fig.2 Band Edges (802.11a, 5320MHz)

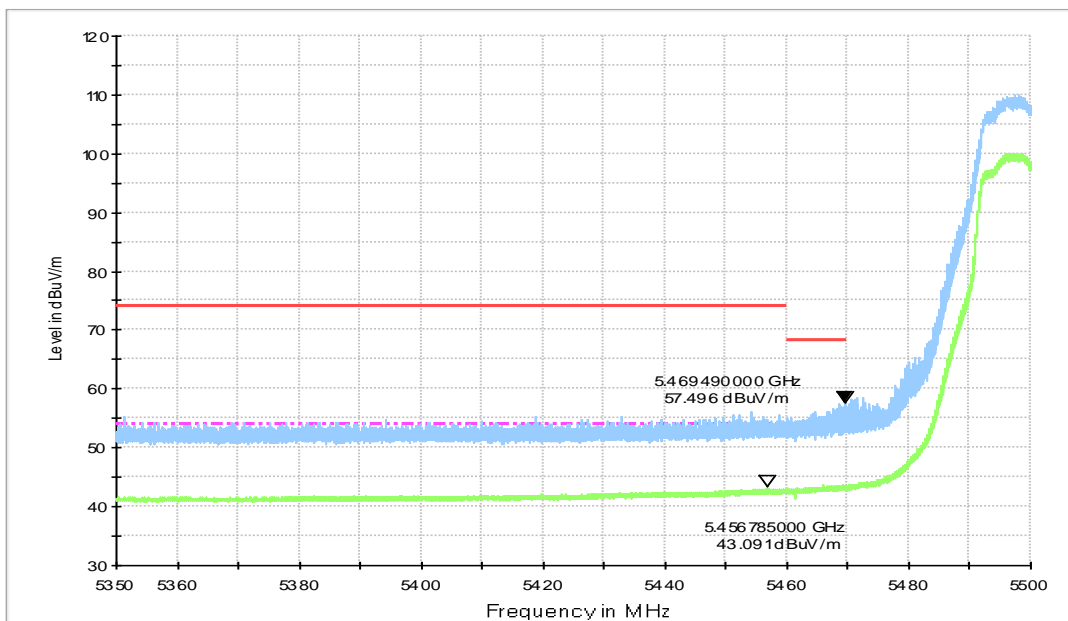


Fig.3 Band Edges (802.11a, 5500MHz)

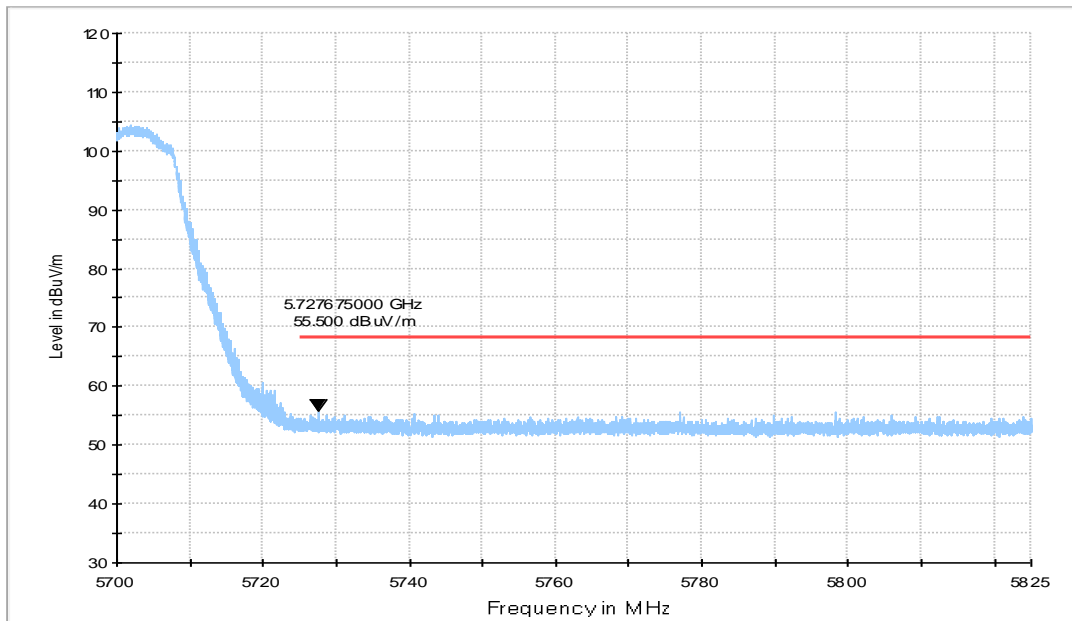


Fig.4 Band Edges (802.11a, 5700MHz)

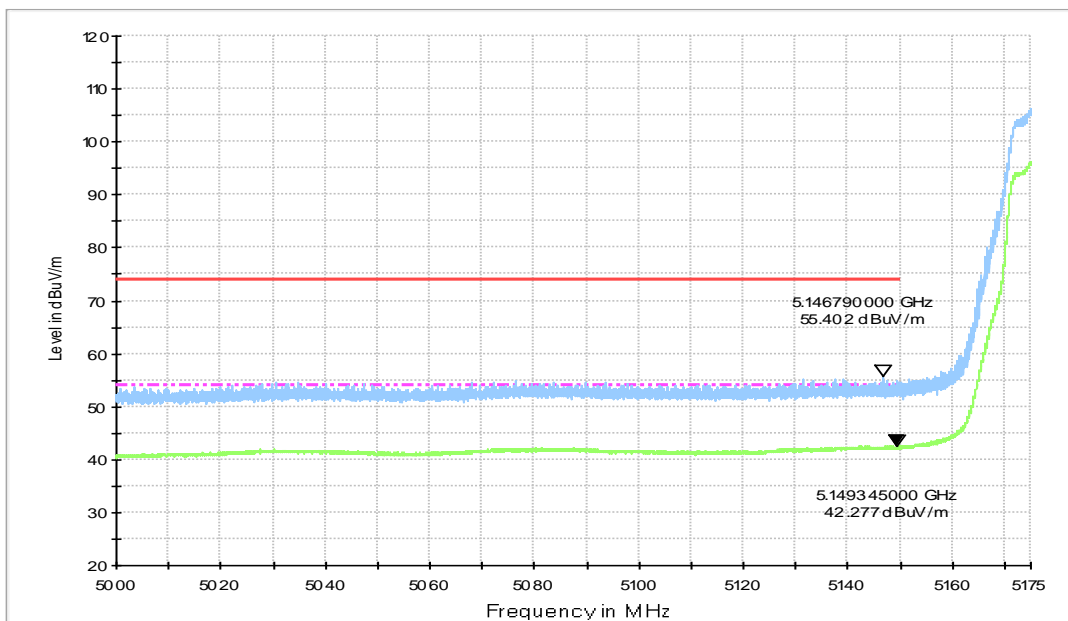


Fig.5 Band Edges (802.11n-HT20, 5180MHz)

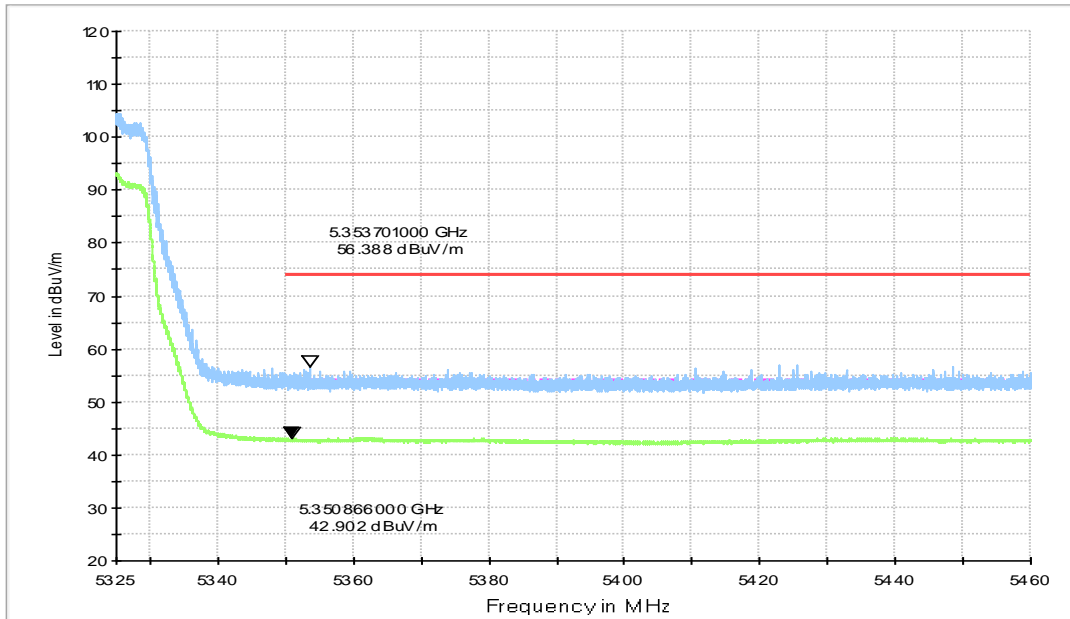


Fig.6 Band Edges (802.11n-HT20, 5320MHz)

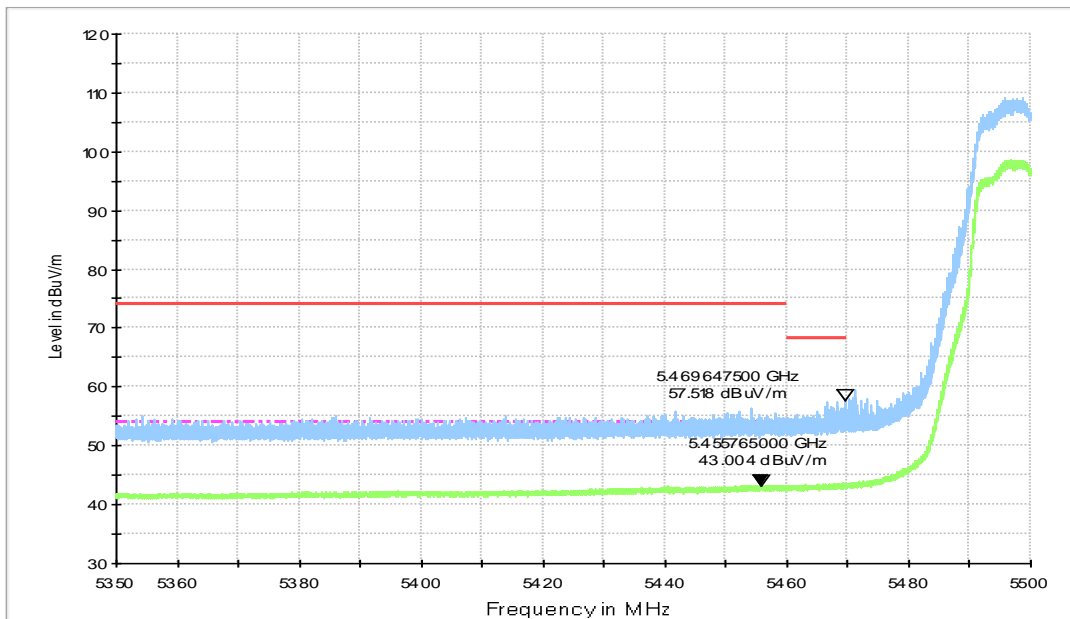


Fig.7 Band Edges (802.11n-HT20, 5500MHz)

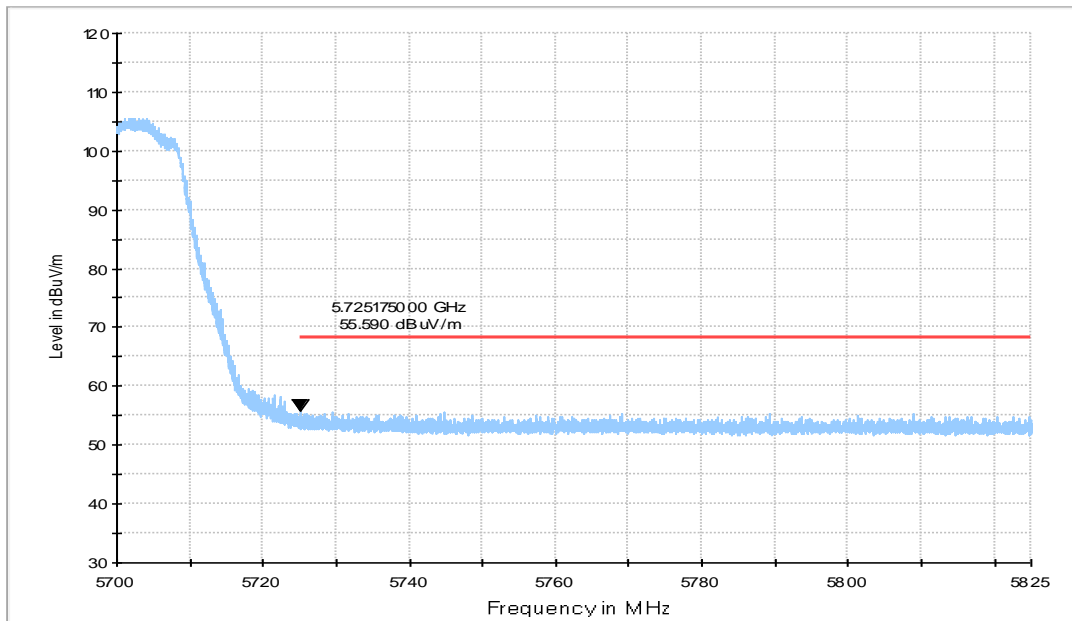


Fig.8 Band Edges (802.11n-HT20, 5700MHz)

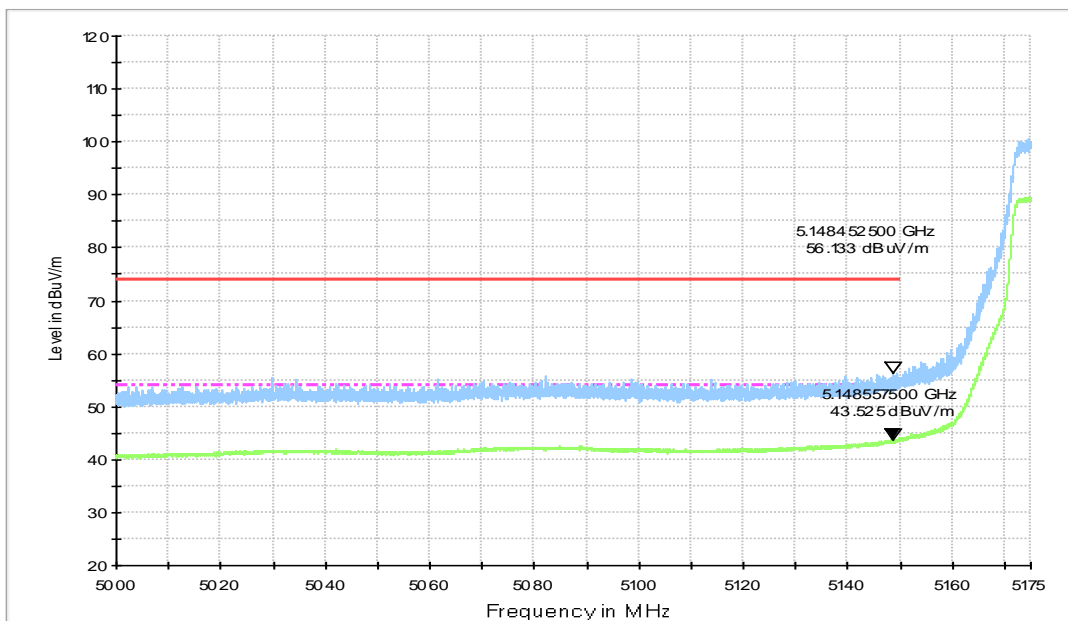


Fig.9 Band Edges (802.11n-HT40, 5190MHz)

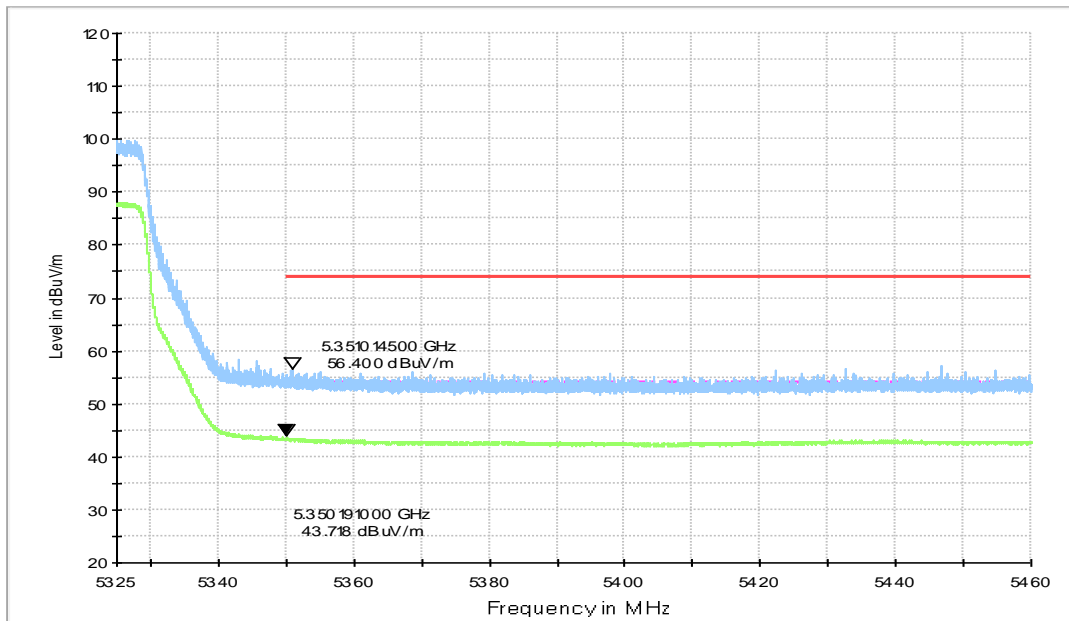


Fig.10 Band Edges (802.11n-HT40, 5310MHz)

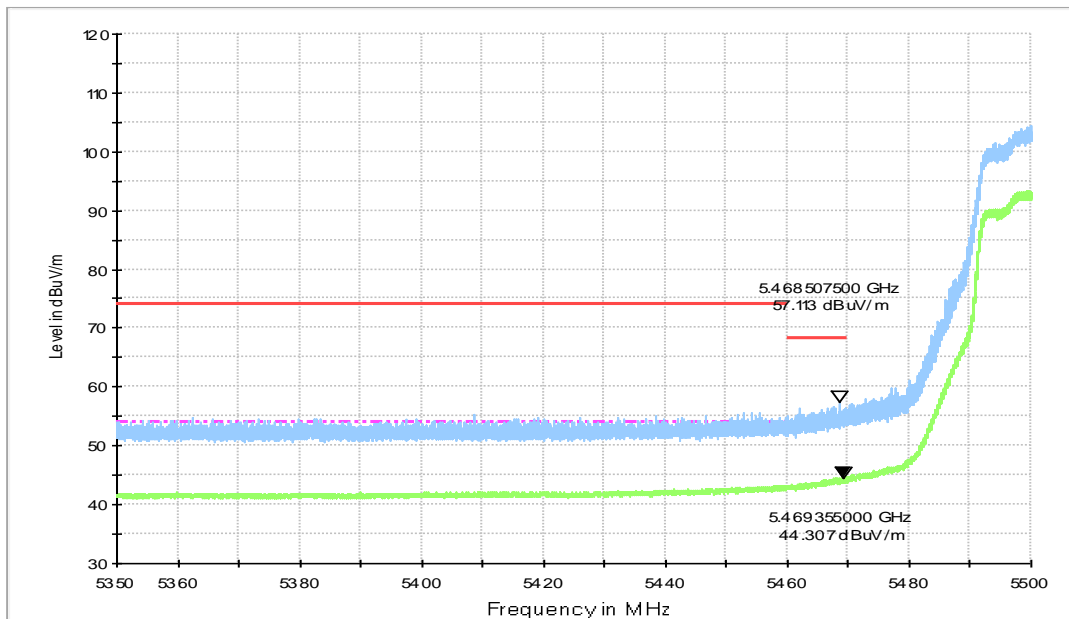


Fig.11 Band Edges (802.11n-HT40, 5510MHz)

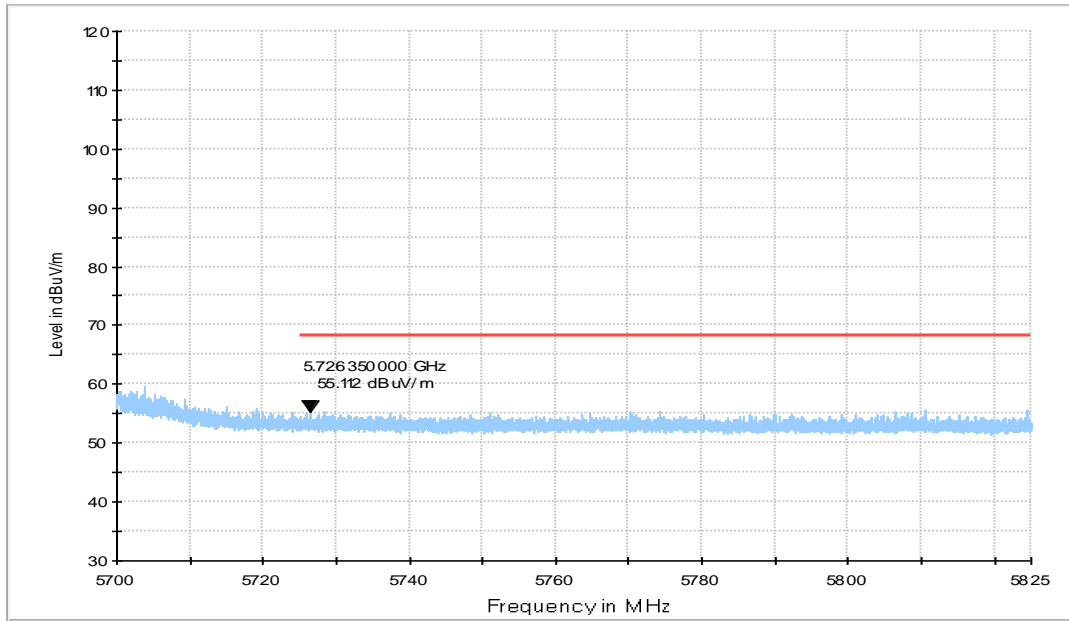


Fig.12 Band Edges (802.11n-HT40, 5670MHz)

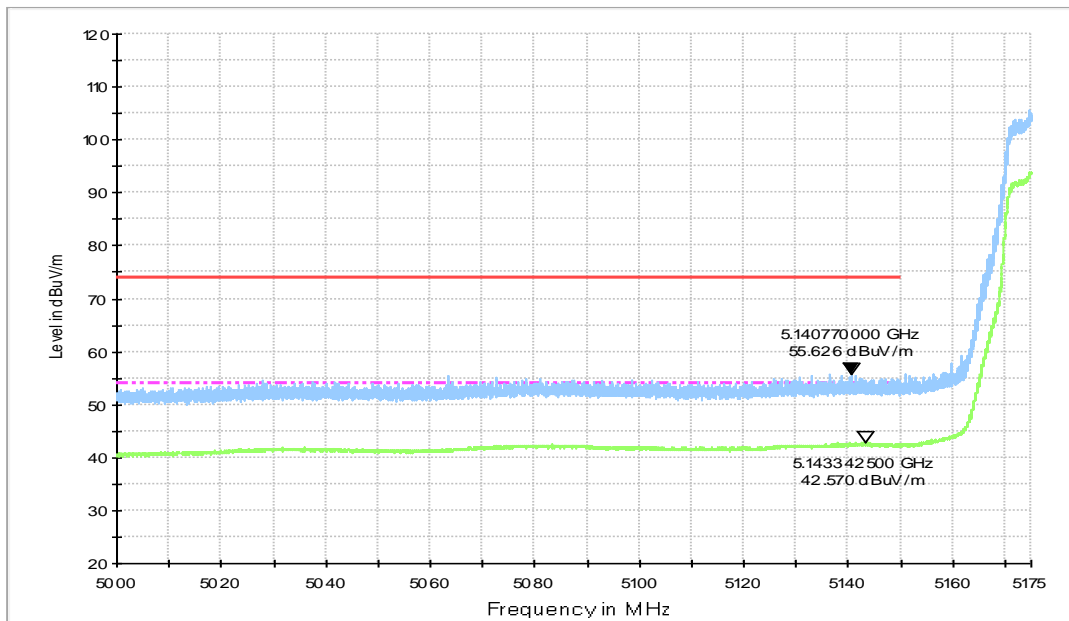


Fig.13 Band Edges (802.11ax-HT20, 5180MHz)

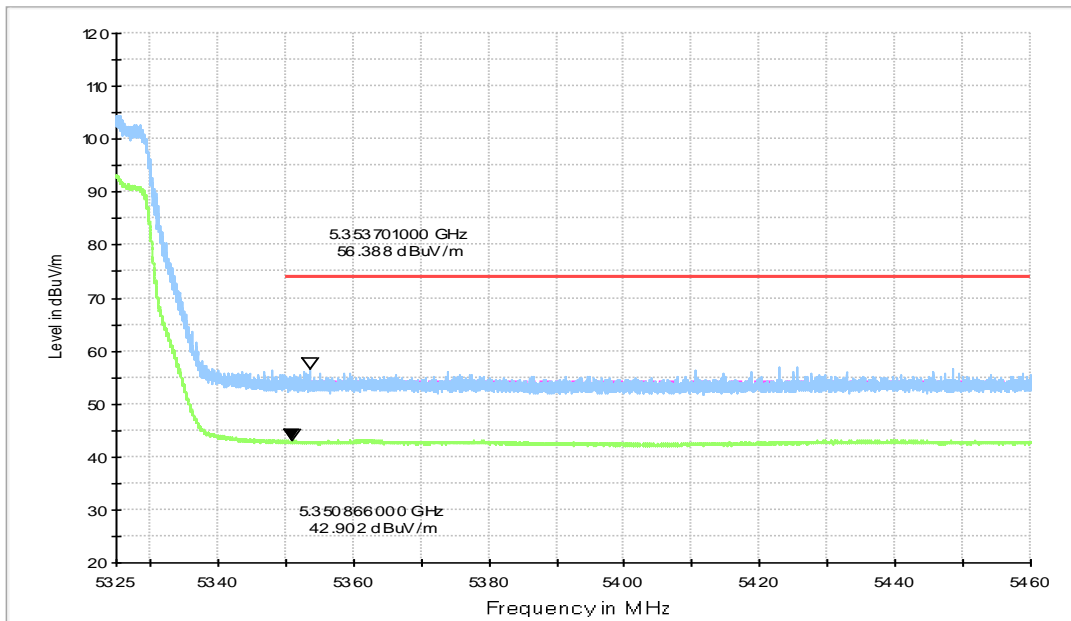


Fig.14 Band Edges (802.11ax-HT20, 5320MHz)

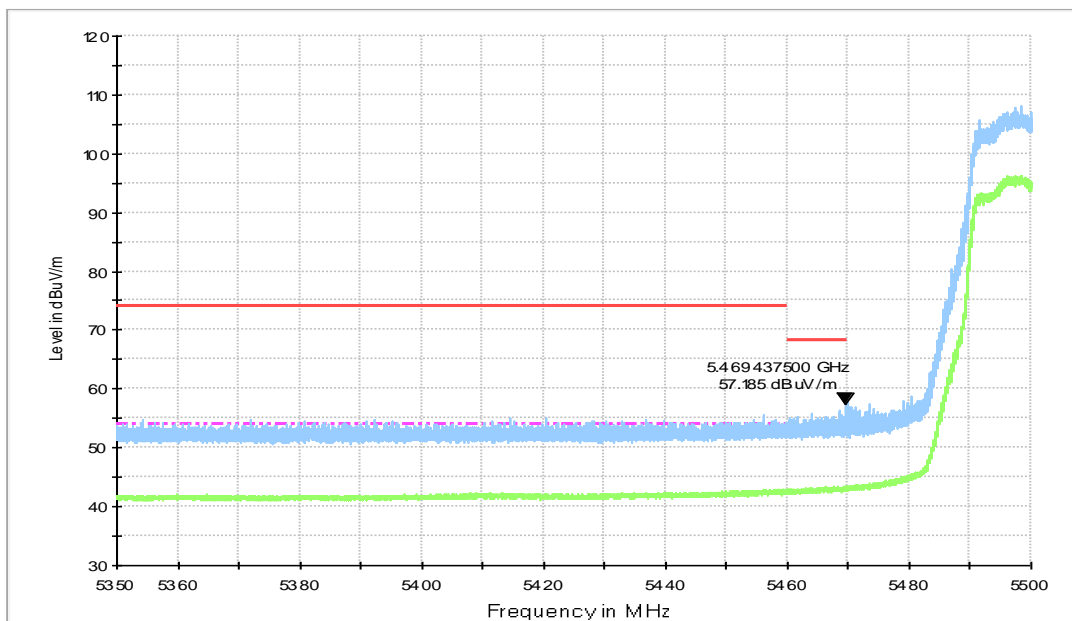


Fig.15 Band Edges (802.11ax-HT20, 5500MHz)

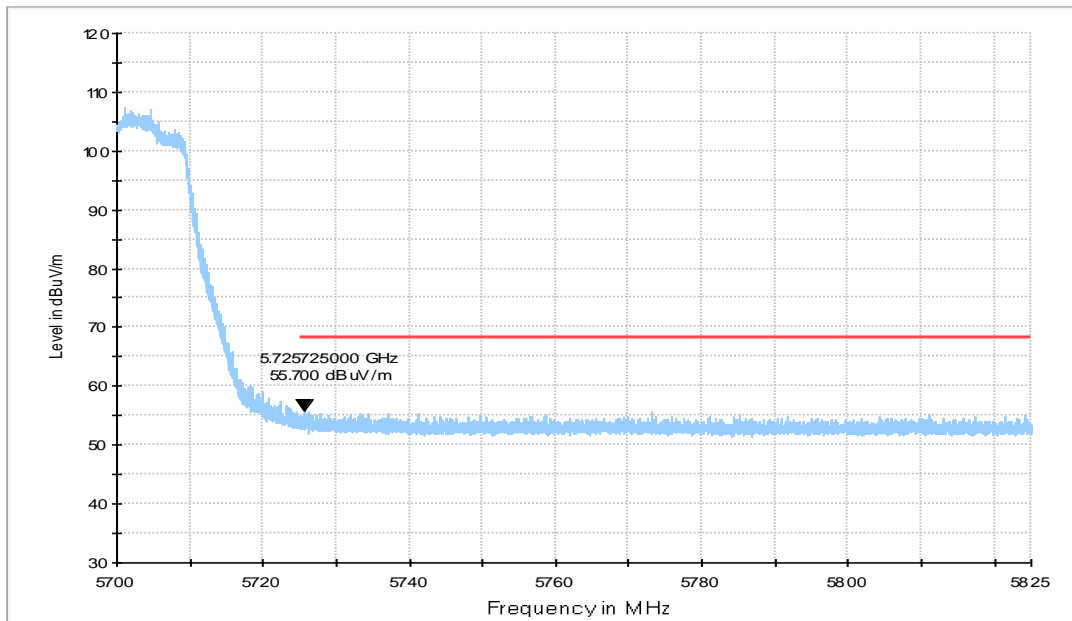


Fig.16 Band Edges (802.11ax-HT20, 5700MHz)

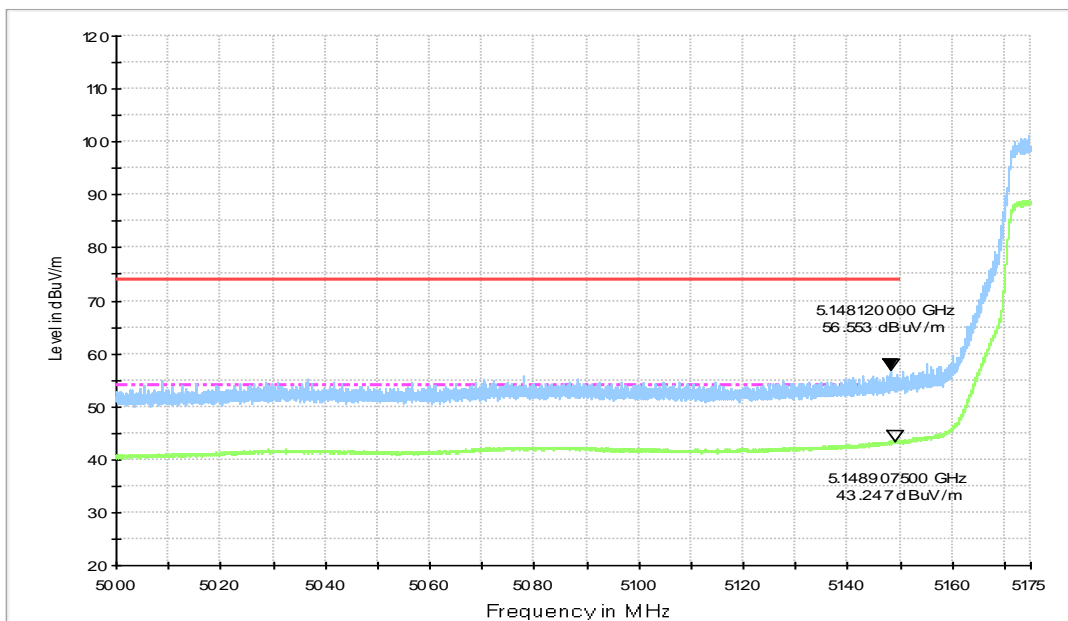


Fig.17 Band Edges (802.11ax-HT40, 5190MHz)

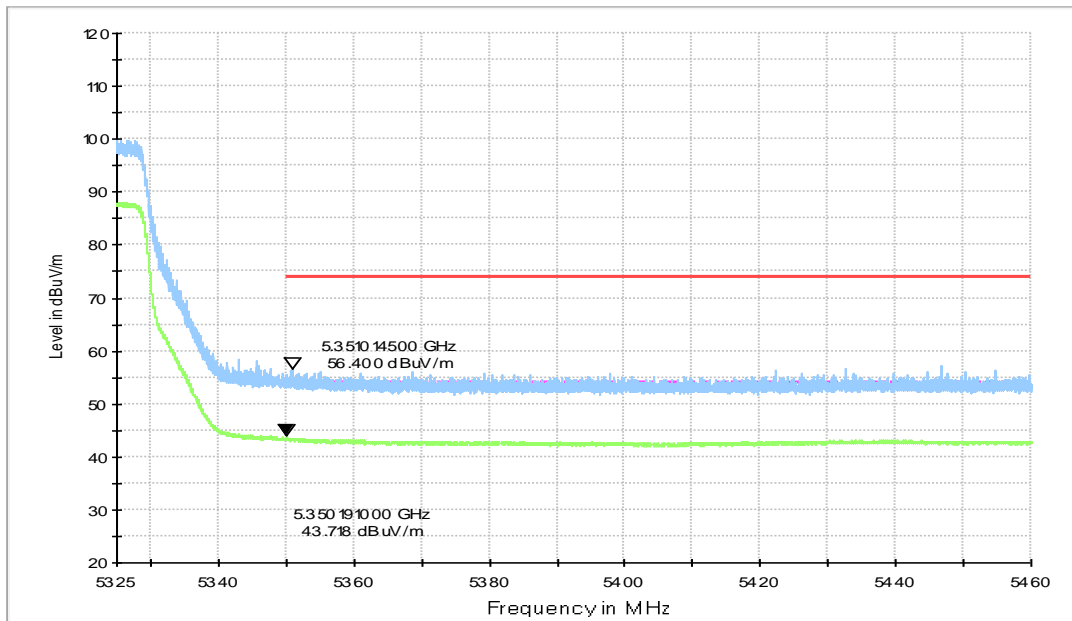


Fig.18 Band Edges (802.11ax-HT40, 5310MHz)

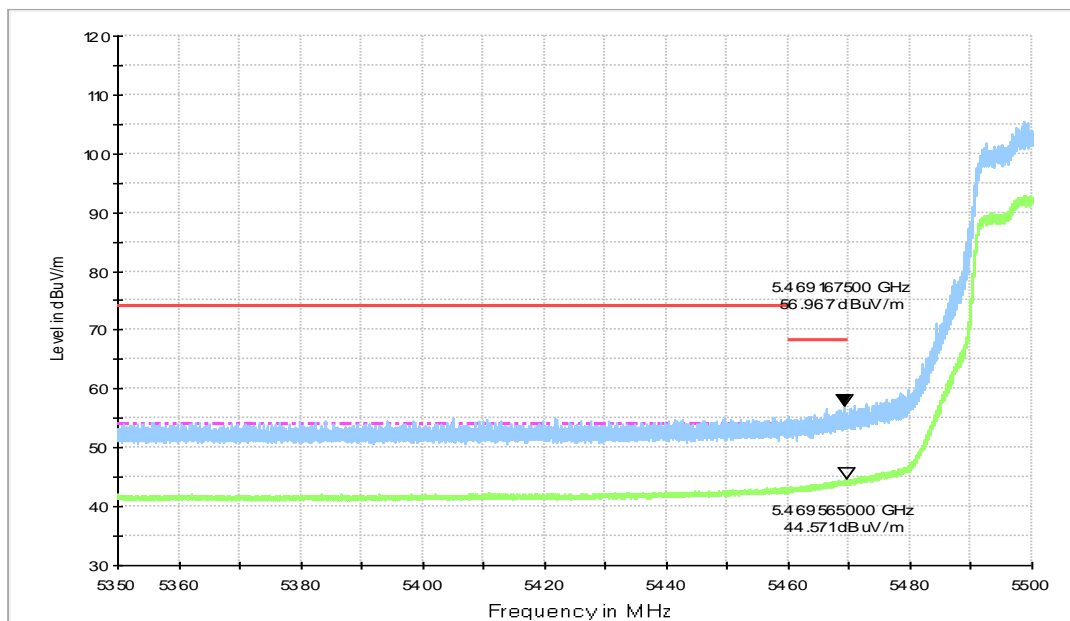


Fig.19 Band Edges (802.11ax-HT40, 5510MHz)

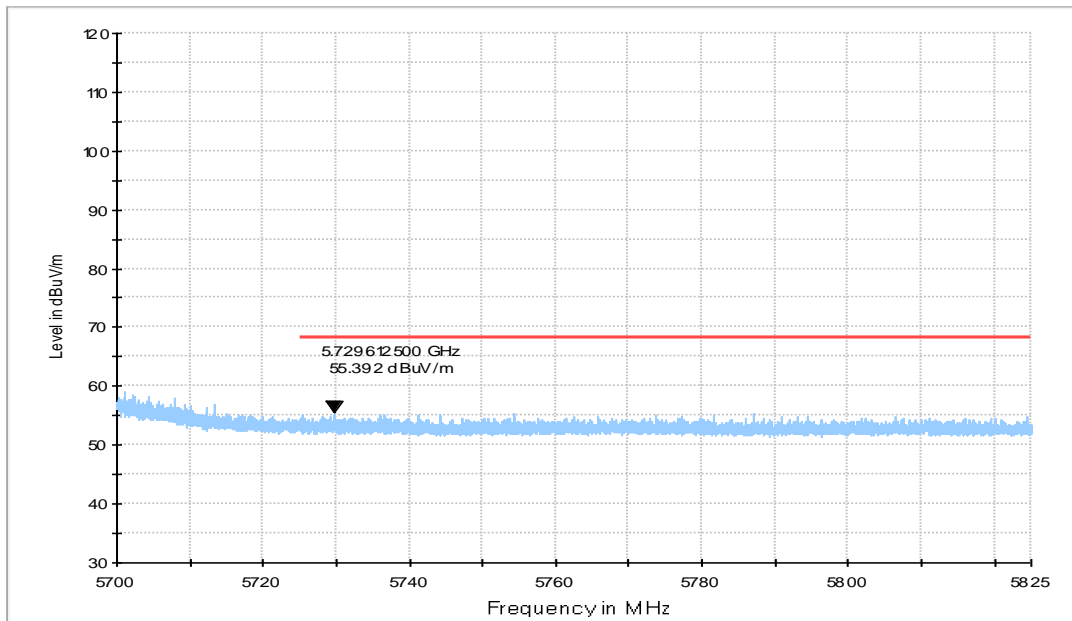


Fig.20 Band Edges (802.11ax-HT40, 5670MHz)

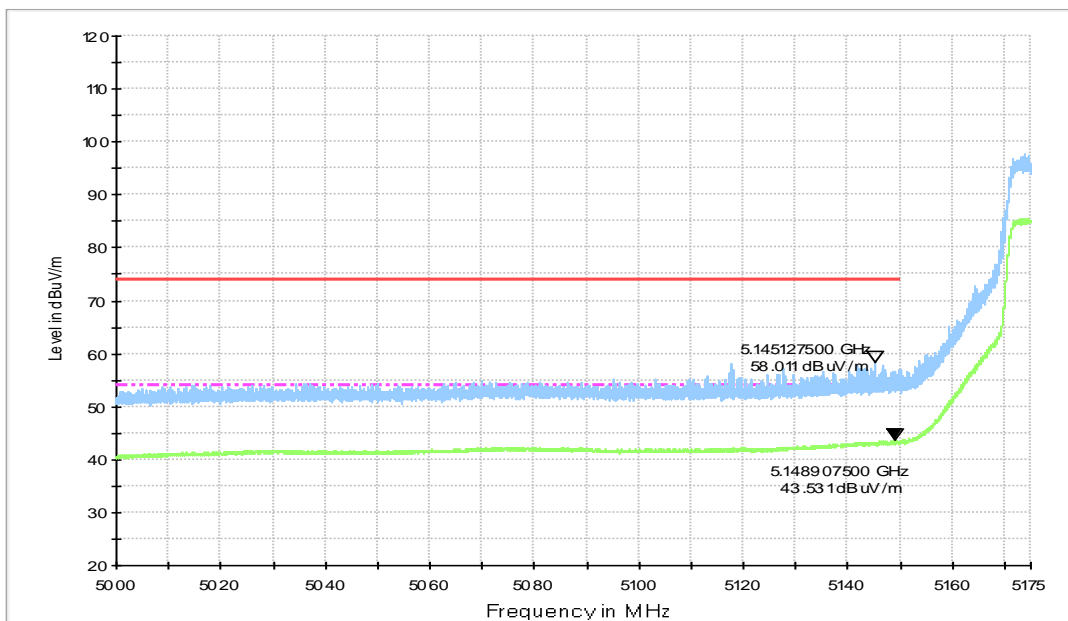


Fig.21 Band Edges (802.11ax-HT80, 5210MHz)

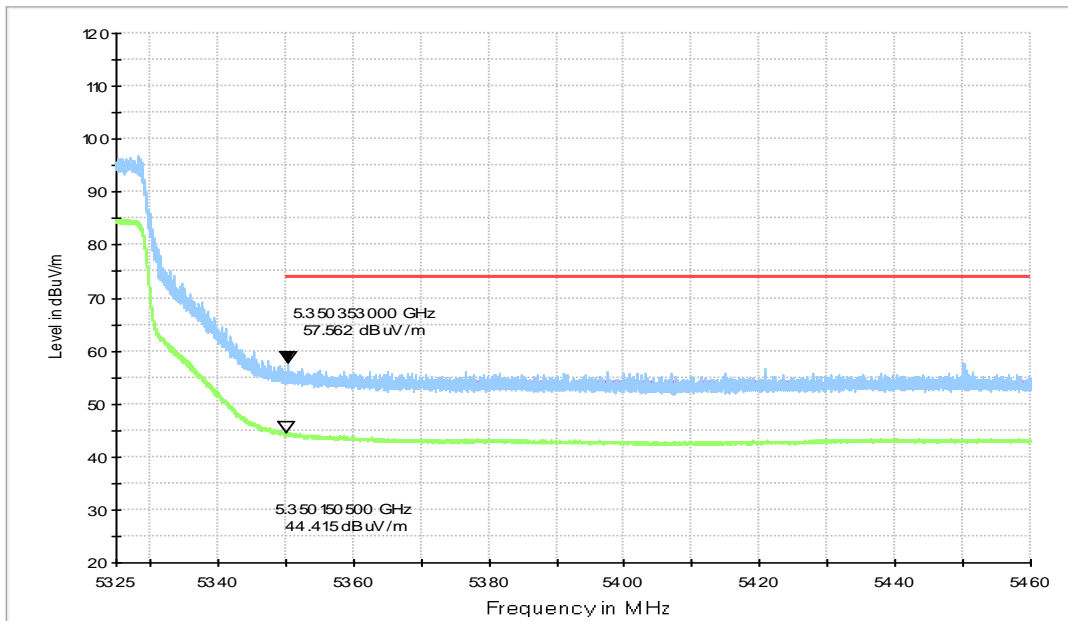


Fig.22 Band Edges (802.11ax-HT80, 5290MHz)

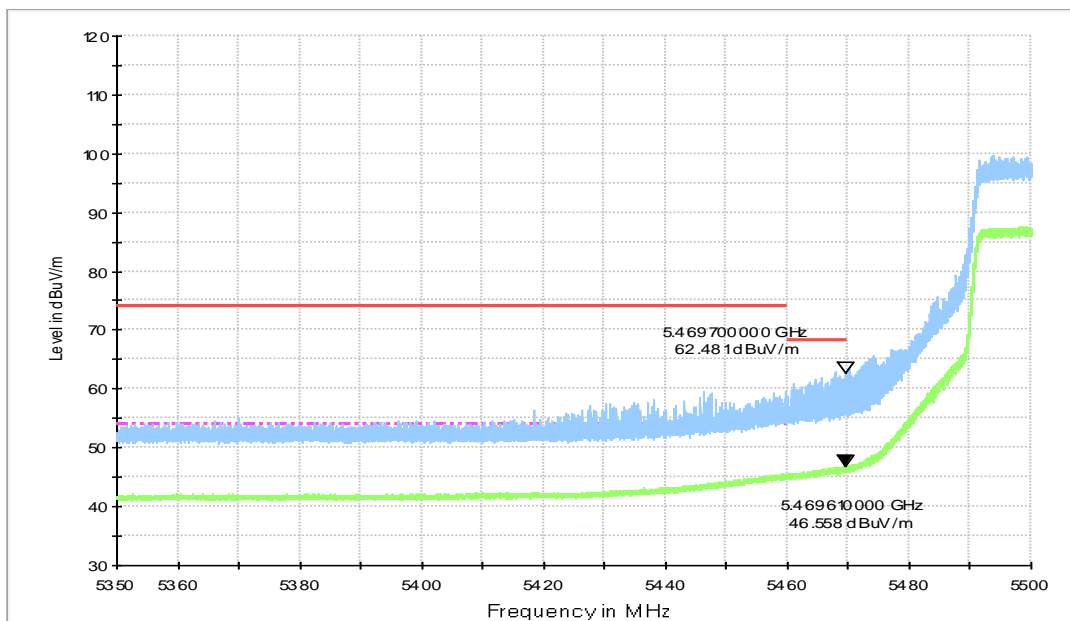


Fig.23 Band Edges (802.11ax-HT80, 5530MHz)

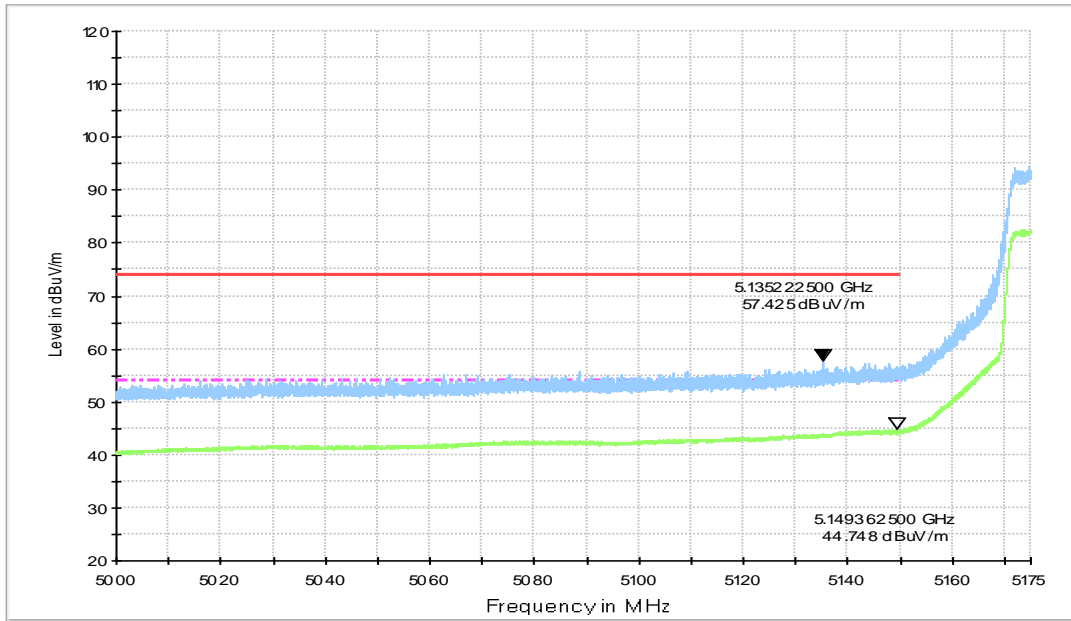


Fig.24 Band Edges (802.11ax-HT160, 5250MHz)

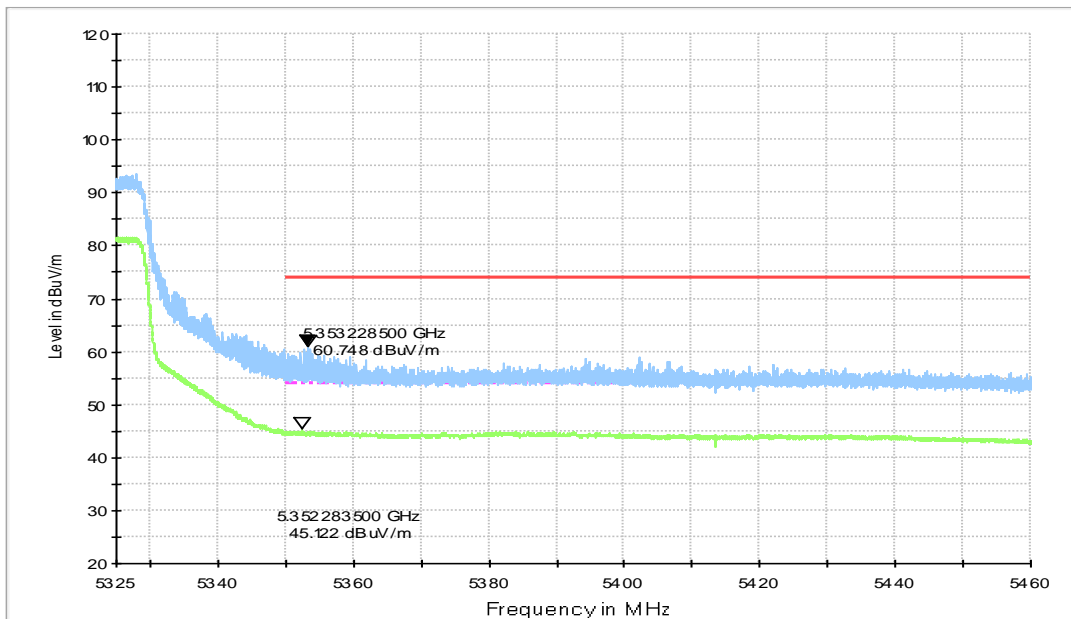


Fig.25 Band Edges (802.11ax-HT160, 5250MHz)

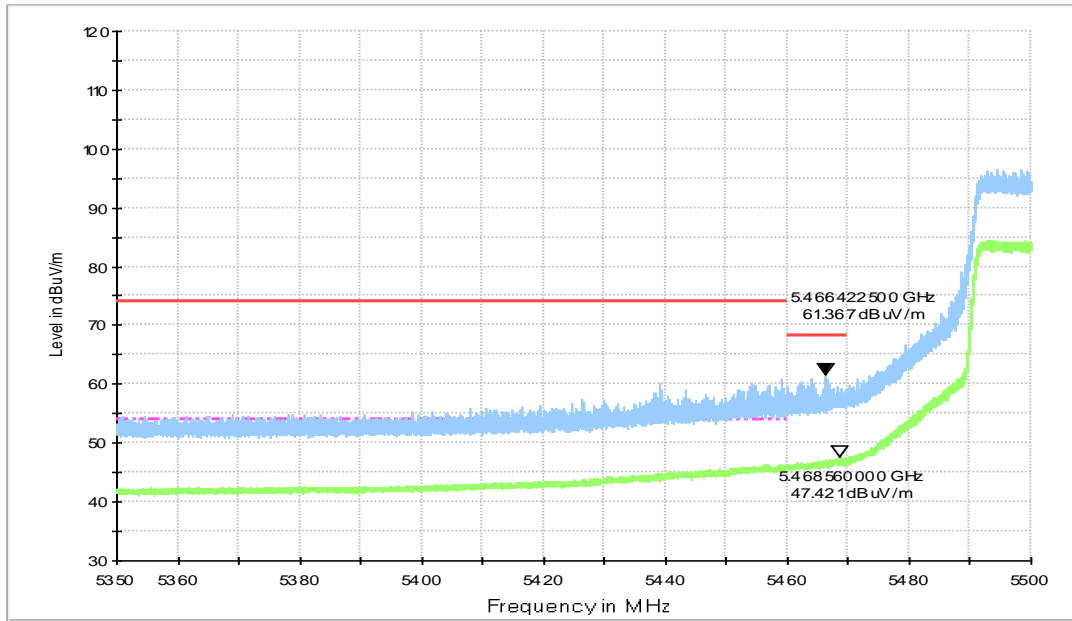


Fig.26 Band Edges (802.11ax-HT160, 5570MHz)

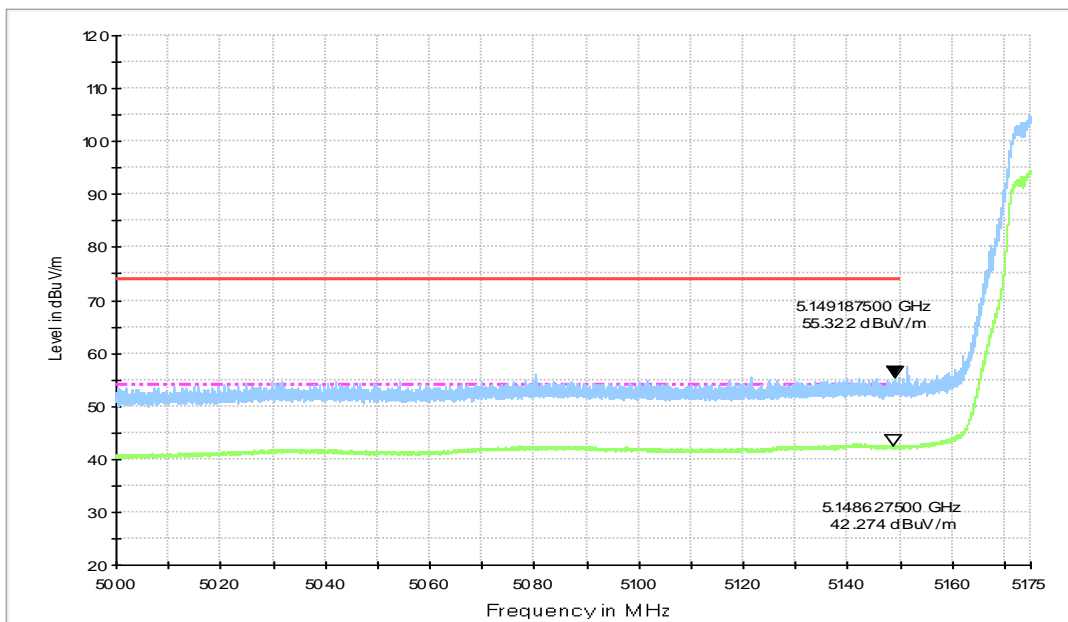


Fig.27 Band Edges (802.11ac-HT20, 5180MHz)

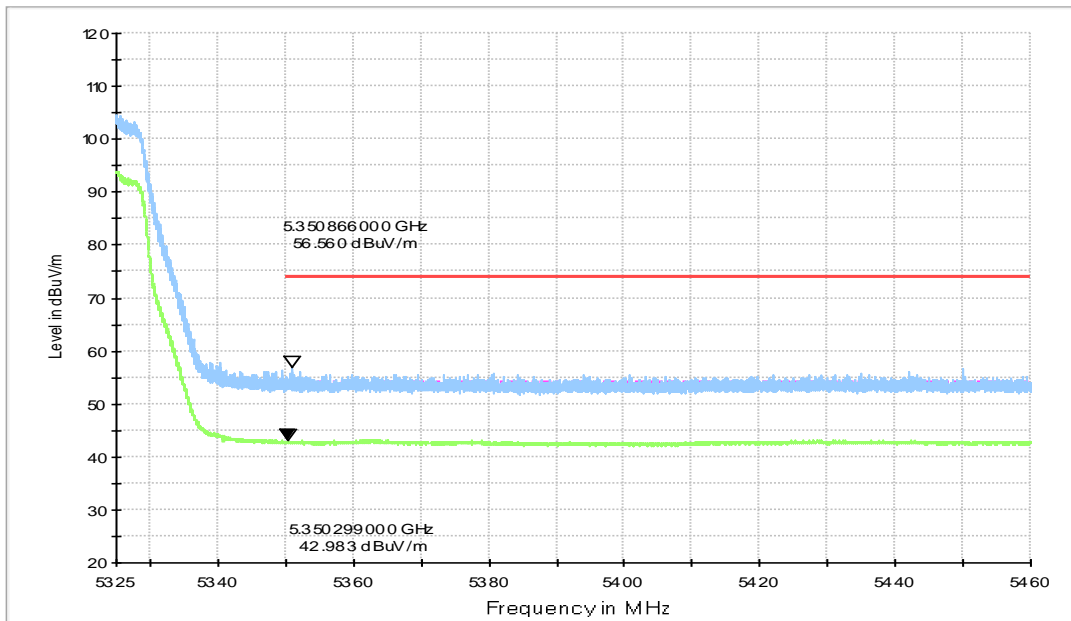


Fig.28 Band Edges (802.11ac-HT20, 5320MHz)

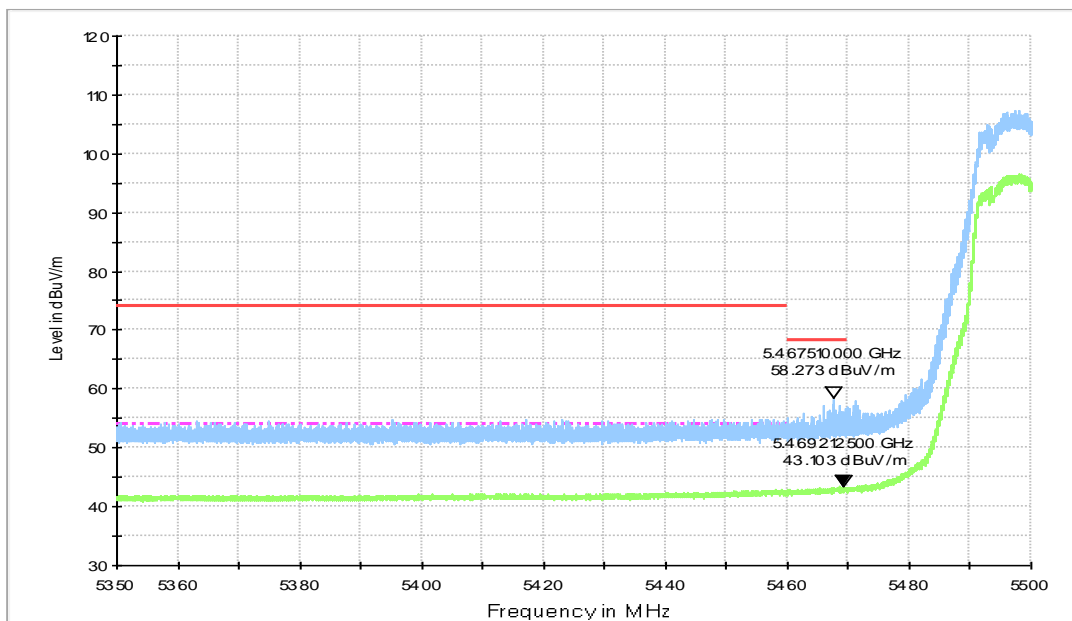


Fig.29 Band Edges (802.11ac-HT20, 5500MHz)

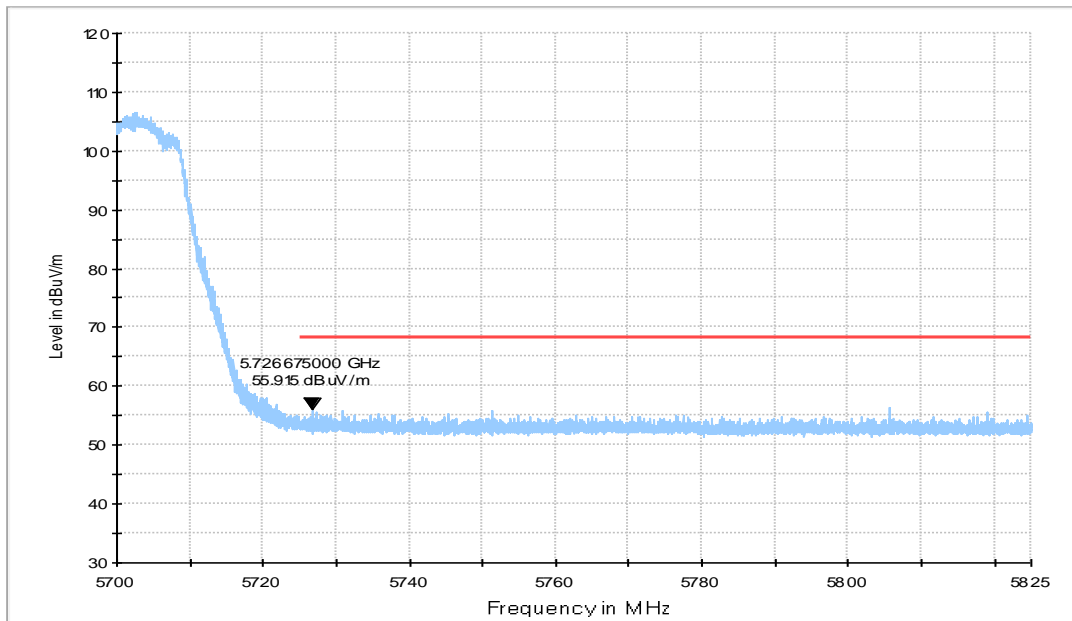


Fig.30 Band Edges (802.11ac-HT20, 5700MHz)

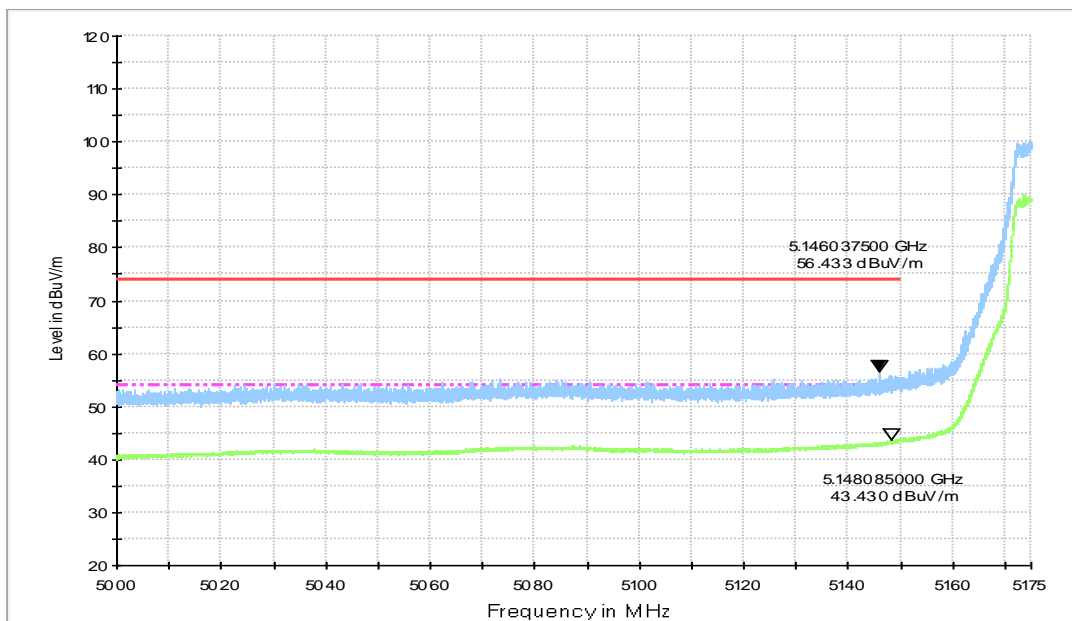


Fig.31 Band Edges (802.11ac-HT40, 5190MHz)

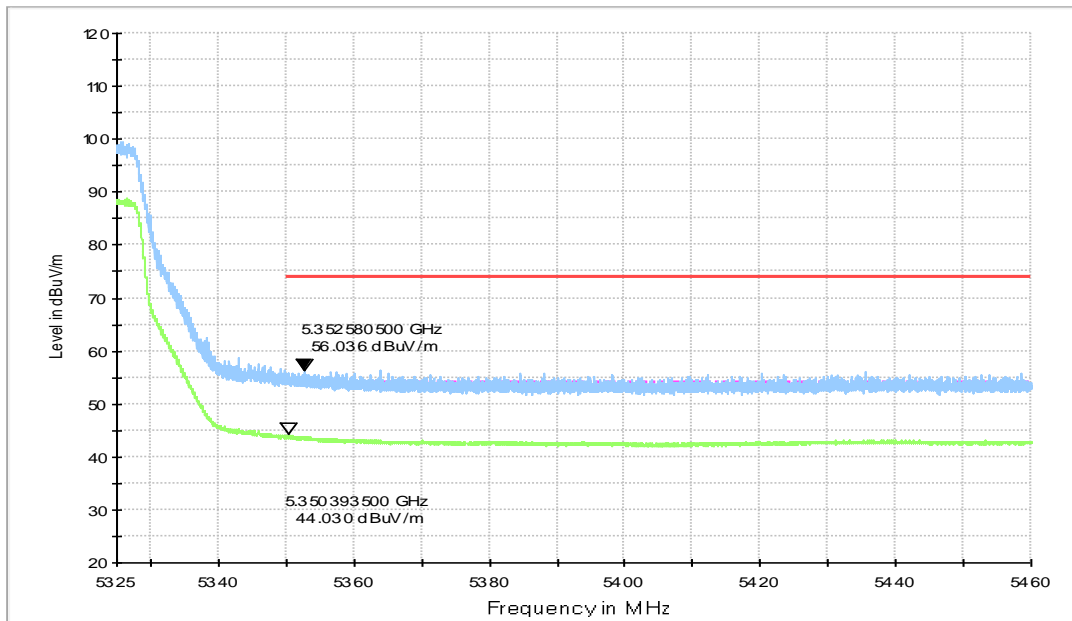


Fig.32 Band Edges (802.11ac-HT40, 5310MHz)

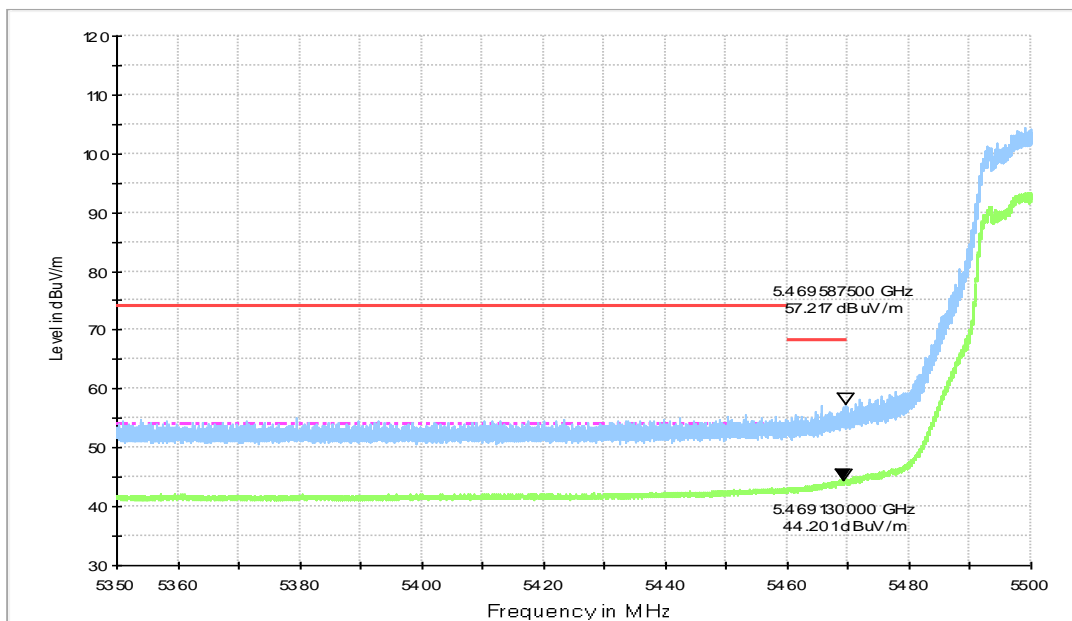


Fig.33 Band Edges (802.11ac-HT40, 5510MHz)

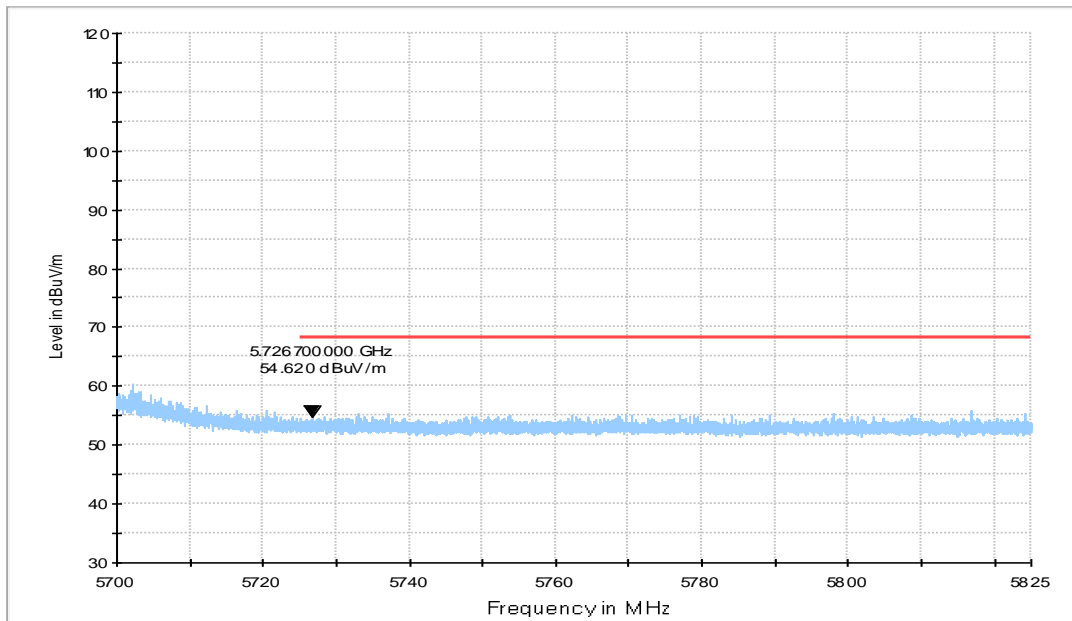


Fig.34 Band Edges (802.11ac-HT40, 5670MHz)

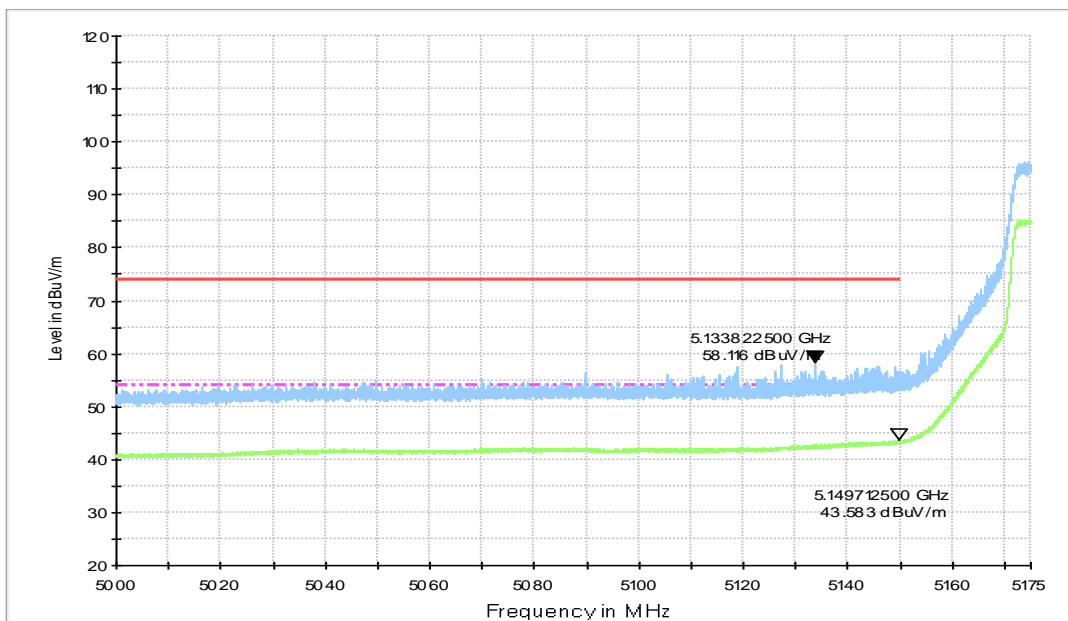


Fig.35 Band Edges (802.11ac-HT80, 5210MHz)

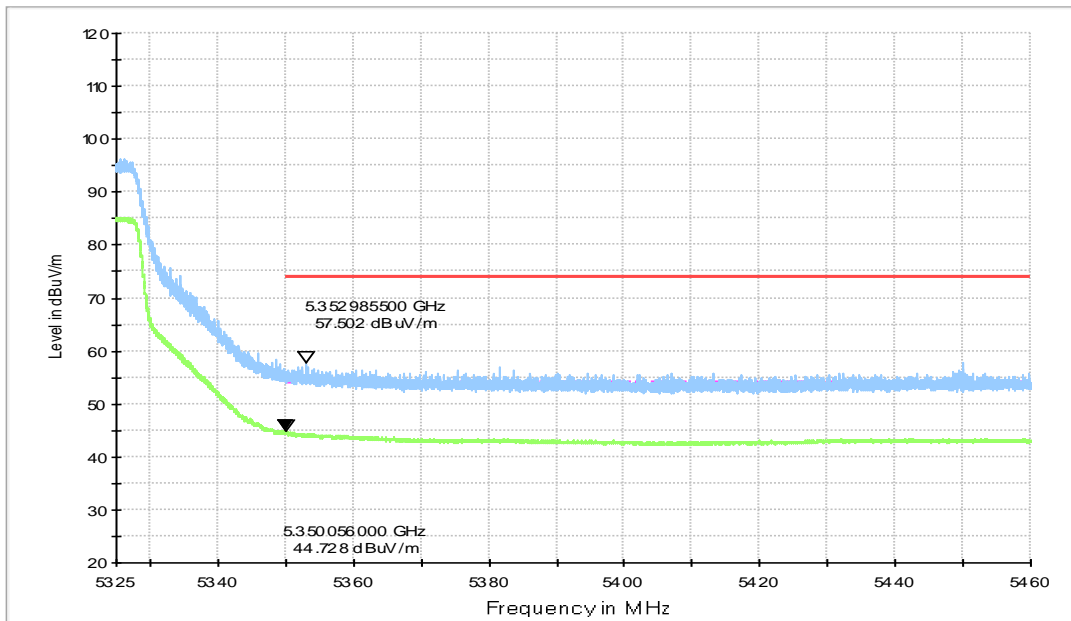


Fig.36 Band Edges (802.11ac-HT80, 5290MHz)

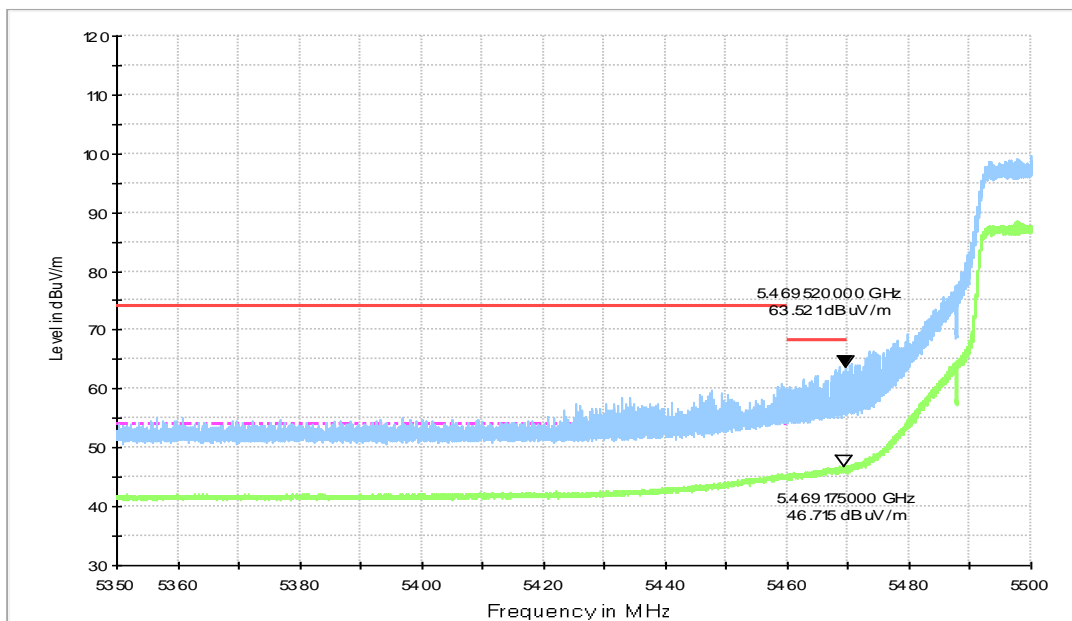


Fig.37 Band Edges (802.11ac-HT80, 5530MHz)

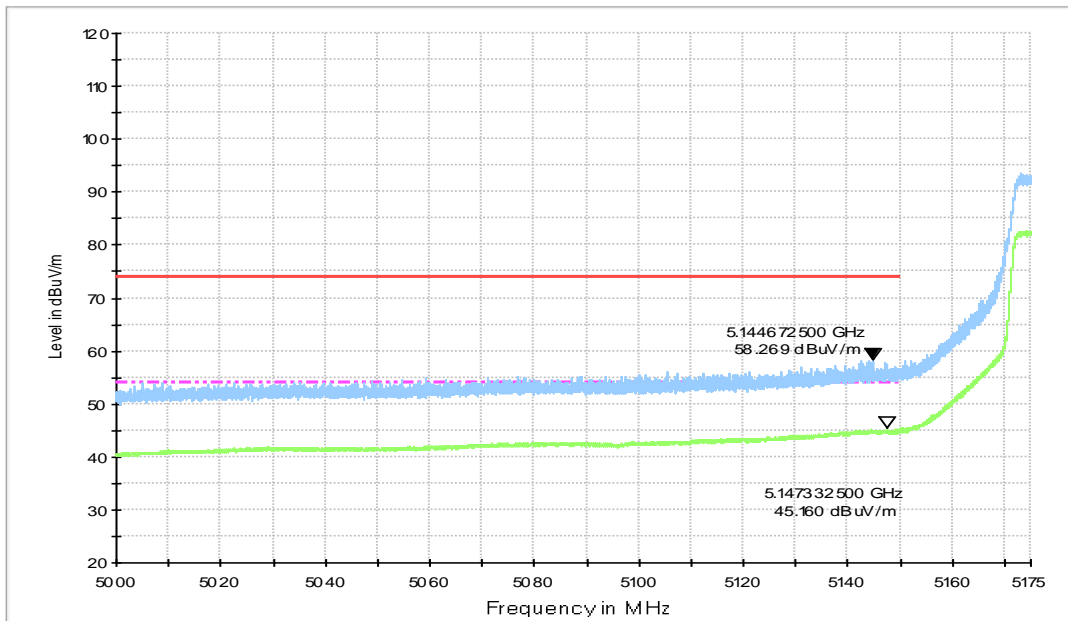


Fig.38 Band Edges (802.11ac-HT160, 5250MHz)

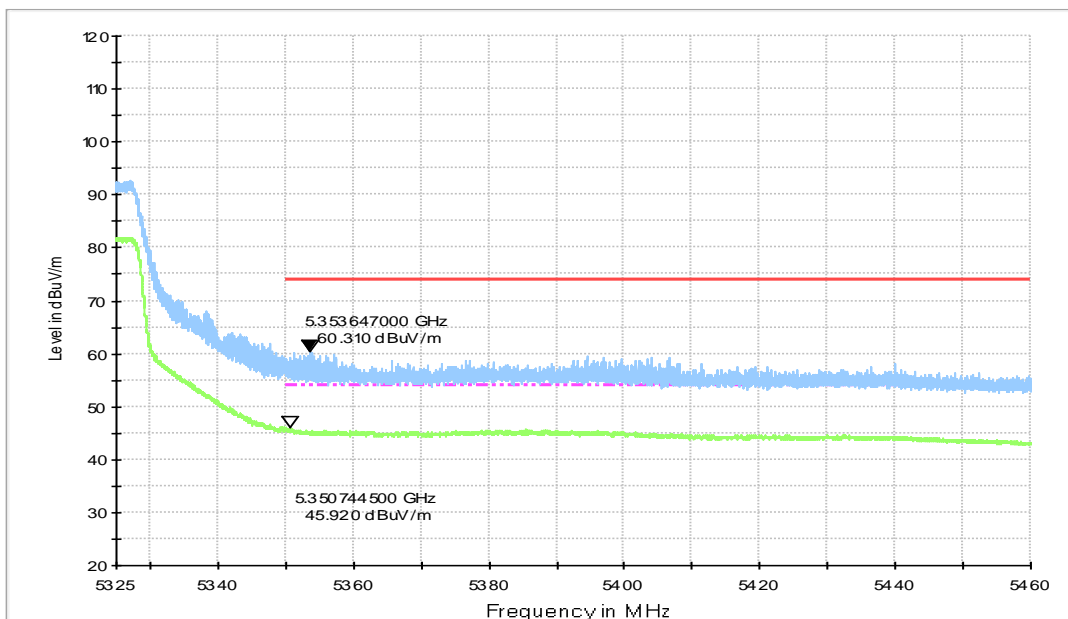


Fig.39 Band Edges (802.11ac-HT160, 5250MHz)

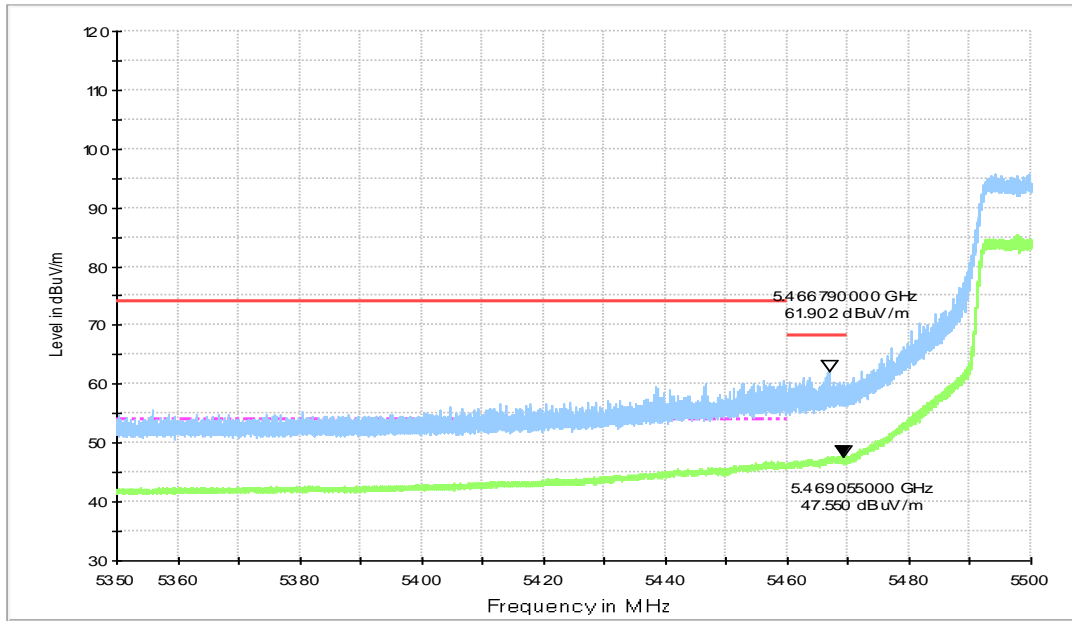


Fig.40 Band Edges (802.11ac-HT160, 5570MHz)

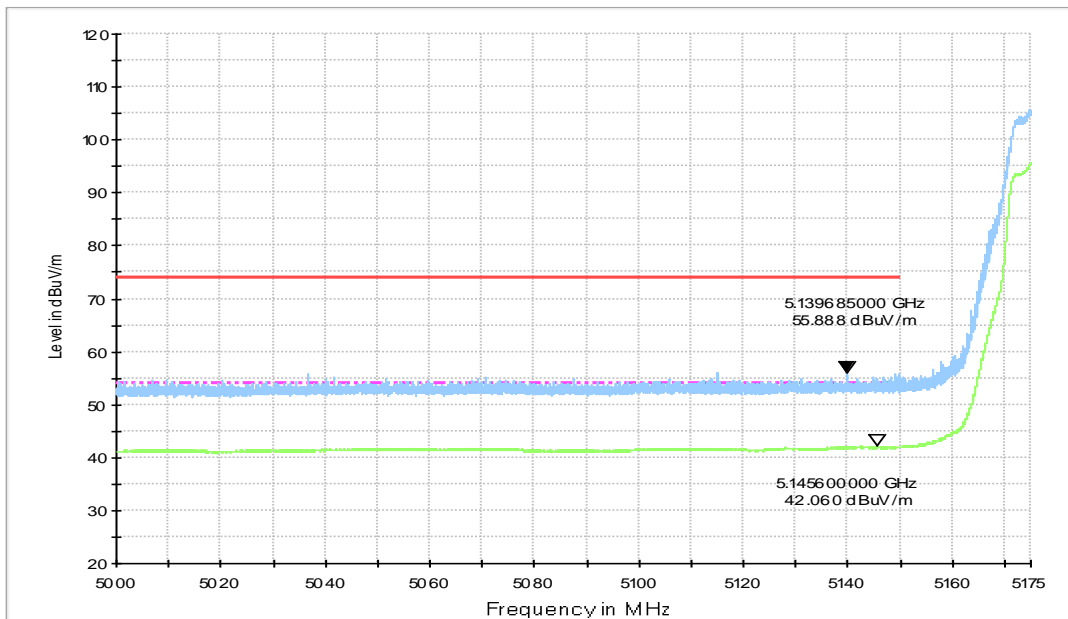


Fig.41 Band Edges (802.11a, 5180MHz)

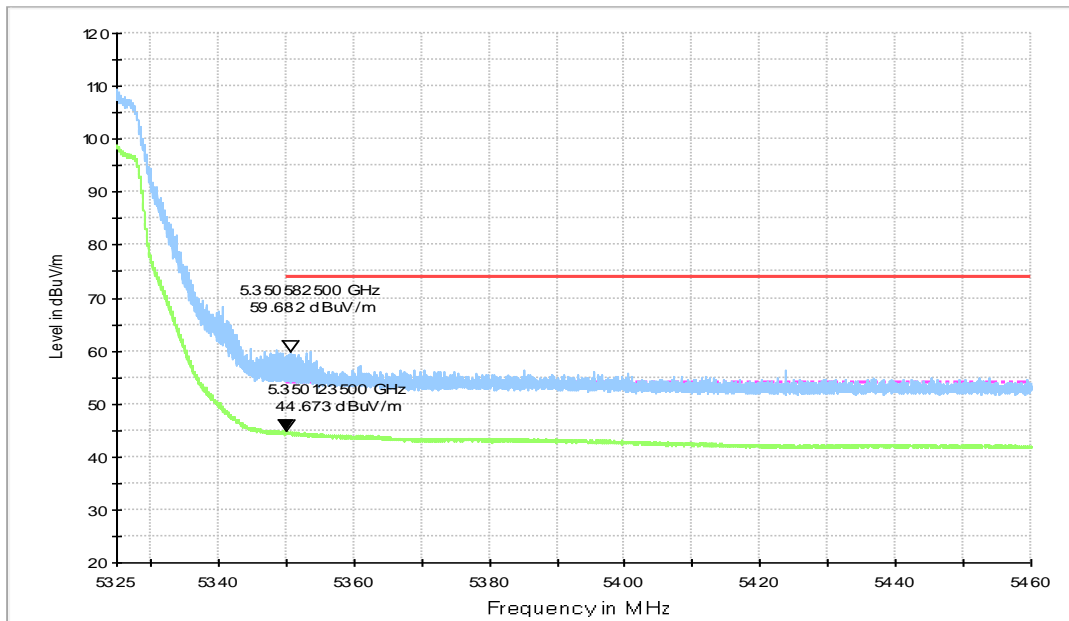


Fig.42 Band Edges (802.11a, 5320MHz)

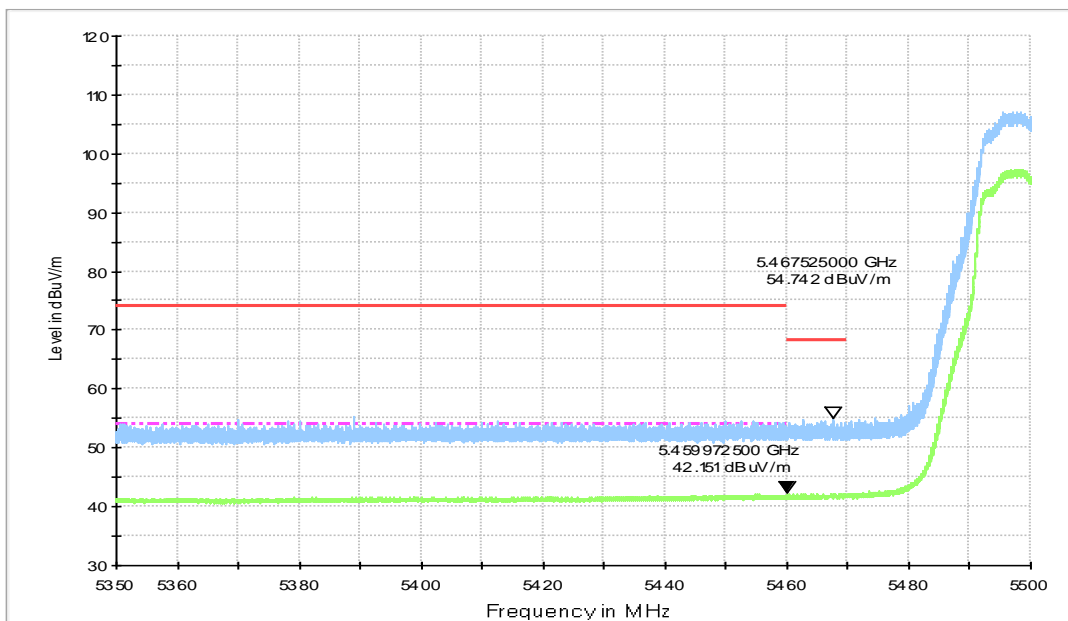


Fig.43 Band Edges (802.11a, 5500MHz)

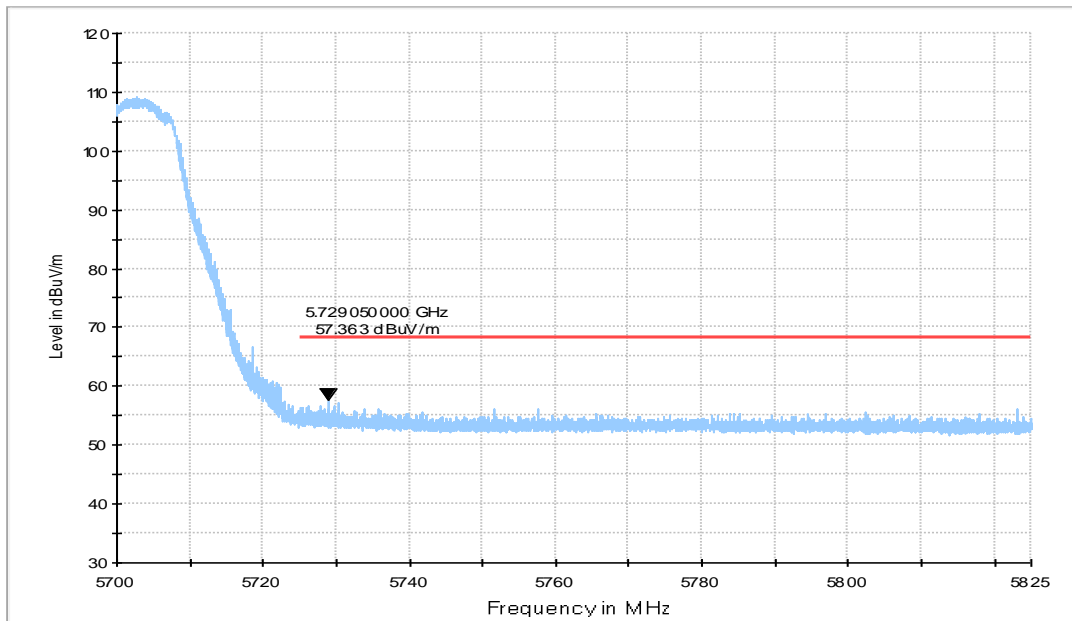


Fig.44 Band Edges (802.11a, 5700MHz)

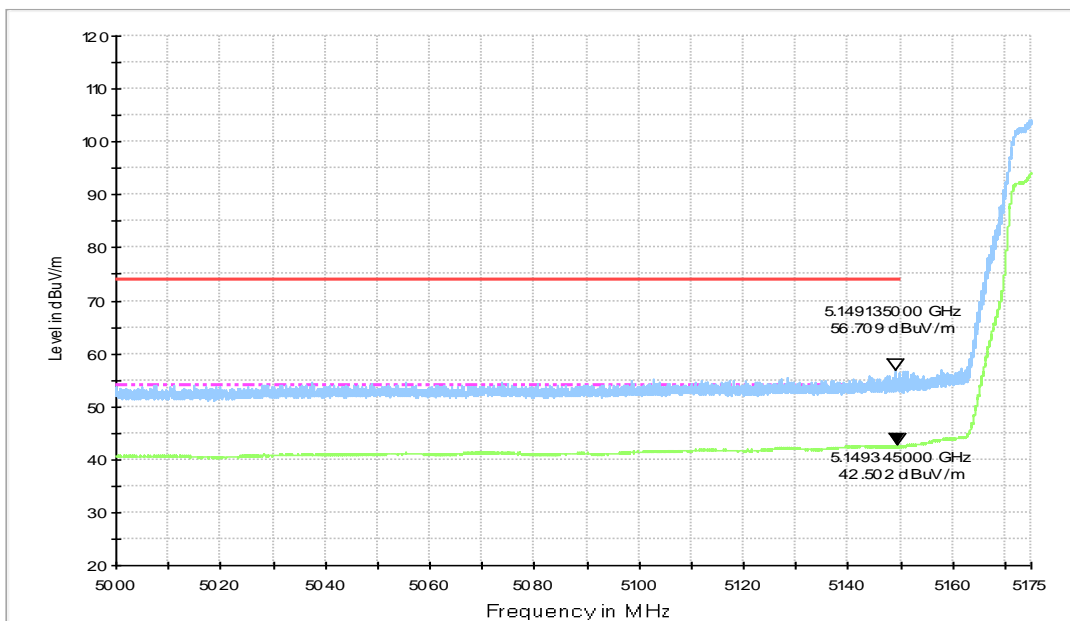


Fig.45 Band Edges (802.11n-HT20, 5180MHz)

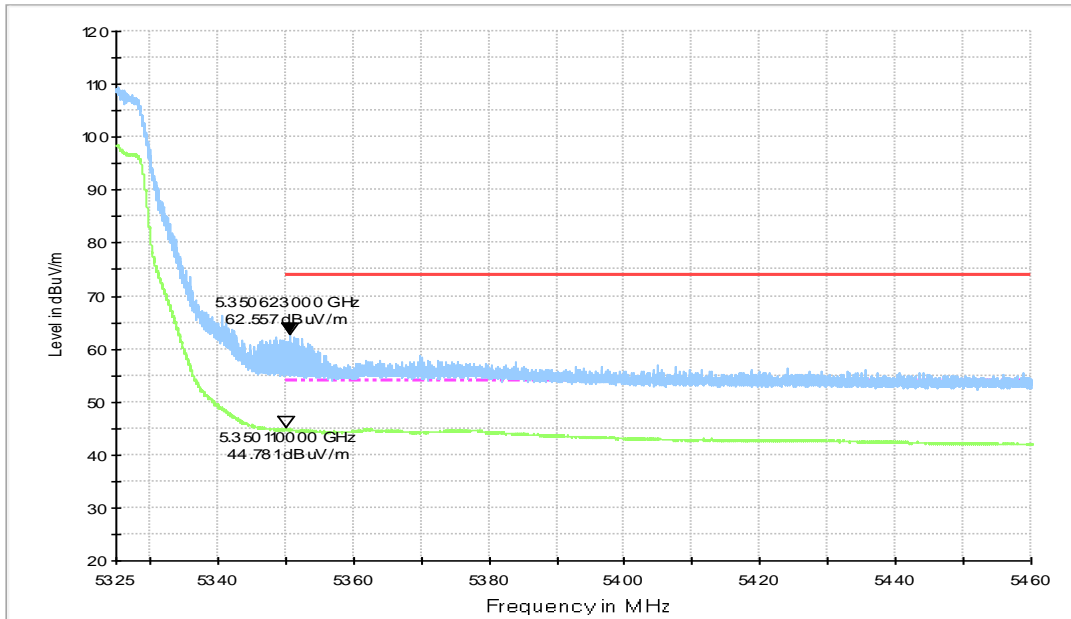


Fig.46 Band Edges (802.11n-HT20, 5320MHz)

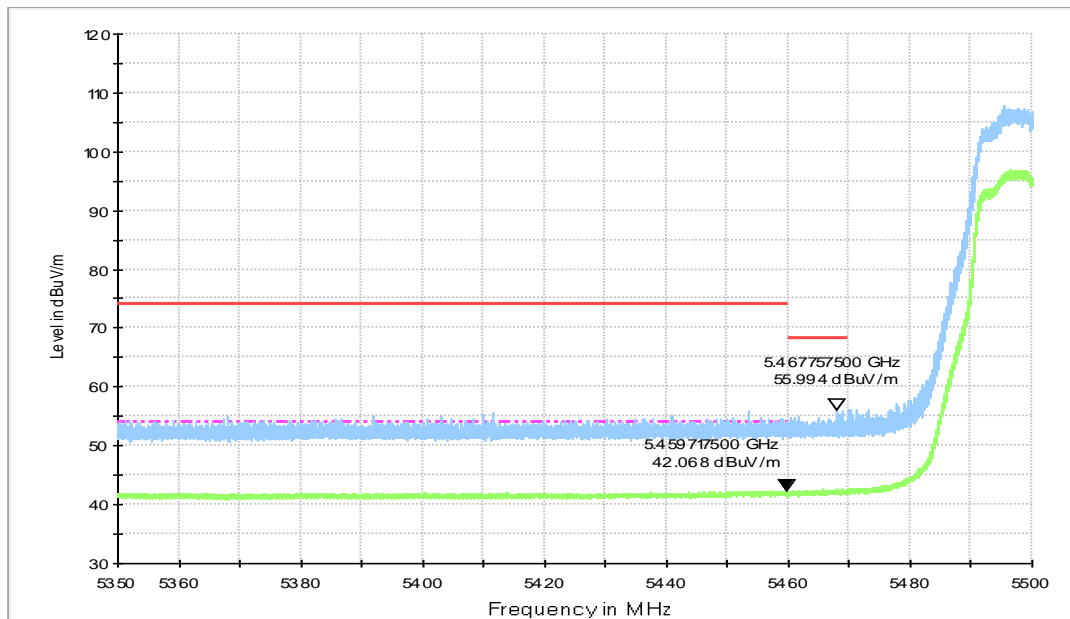


Fig.47 Band Edges (802.11n-HT20, 5500MHz)

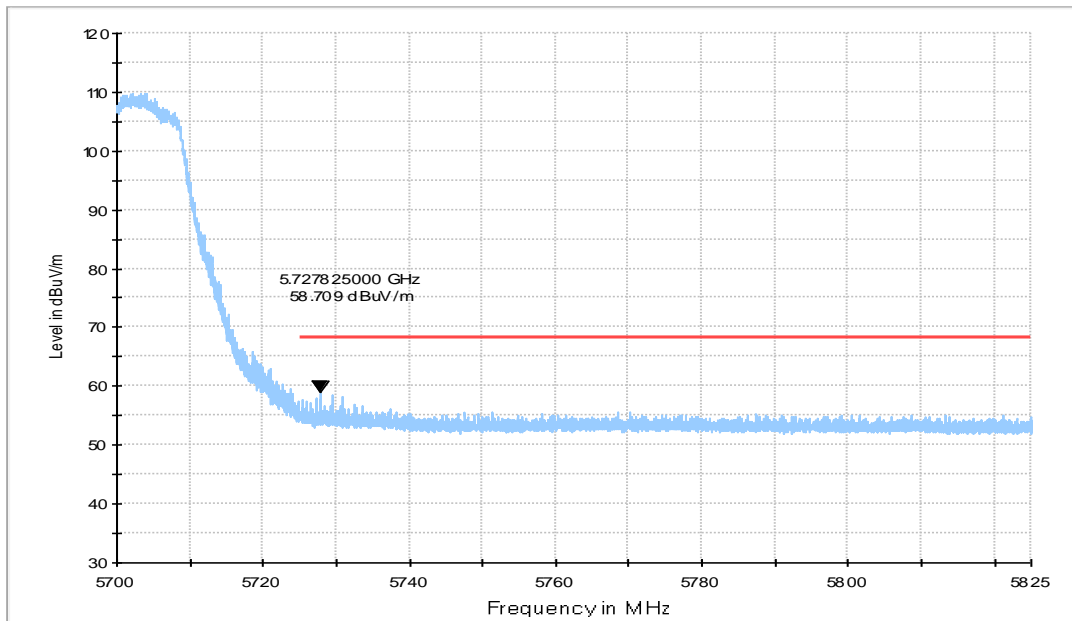


Fig.48 Band Edges (802.11n-HT20, 5700MHz)

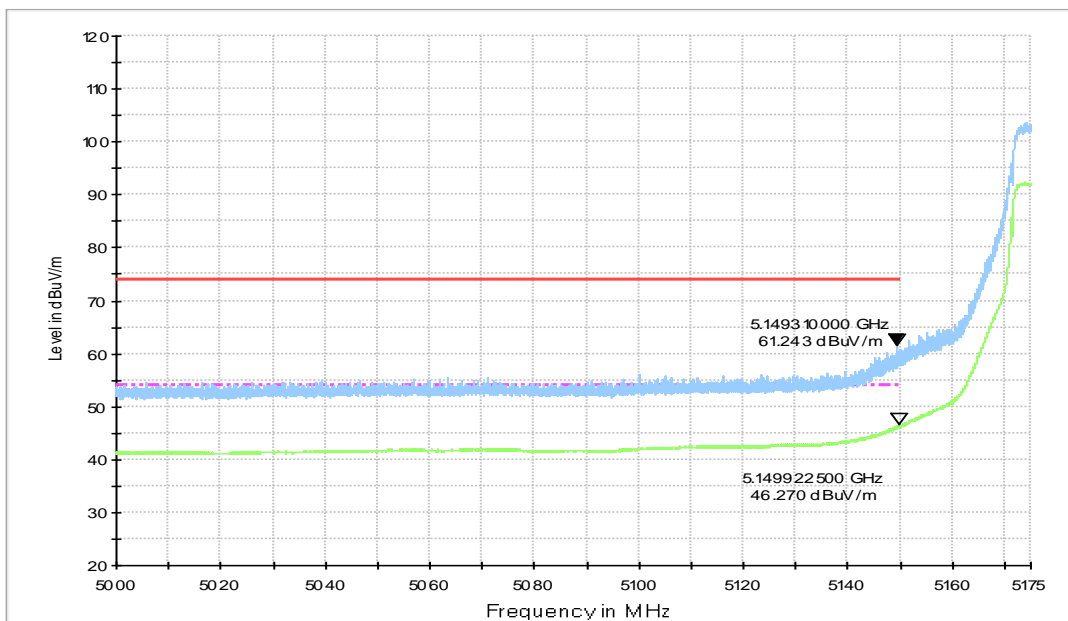


Fig.49 Band Edges (802.11n-HT40, 5190MHz)

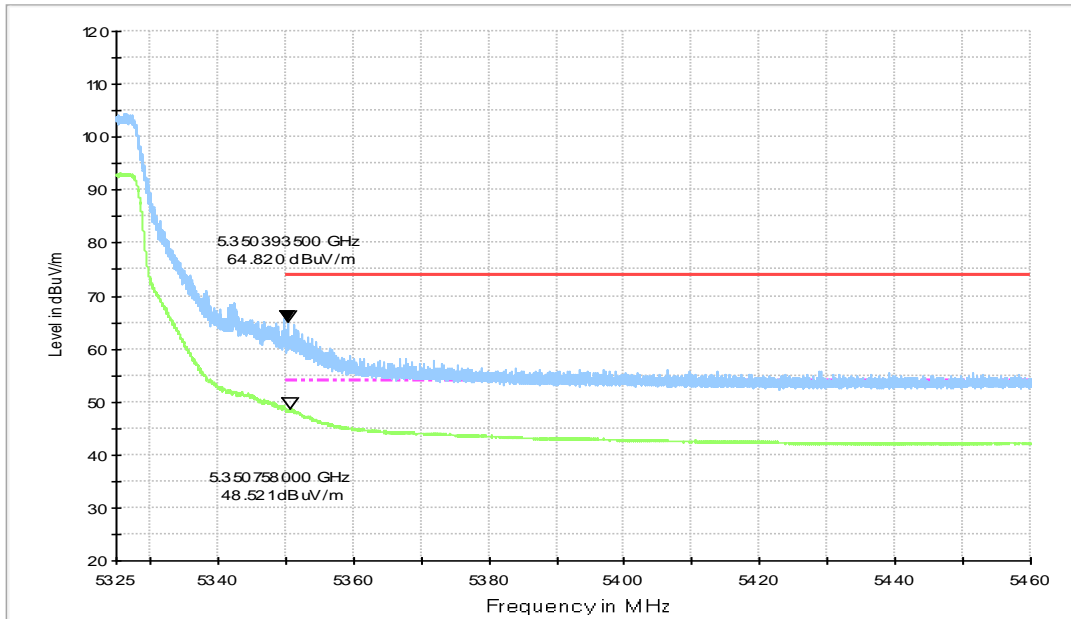


Fig.50 Band Edges (802.11n-HT40, 5310MHz)

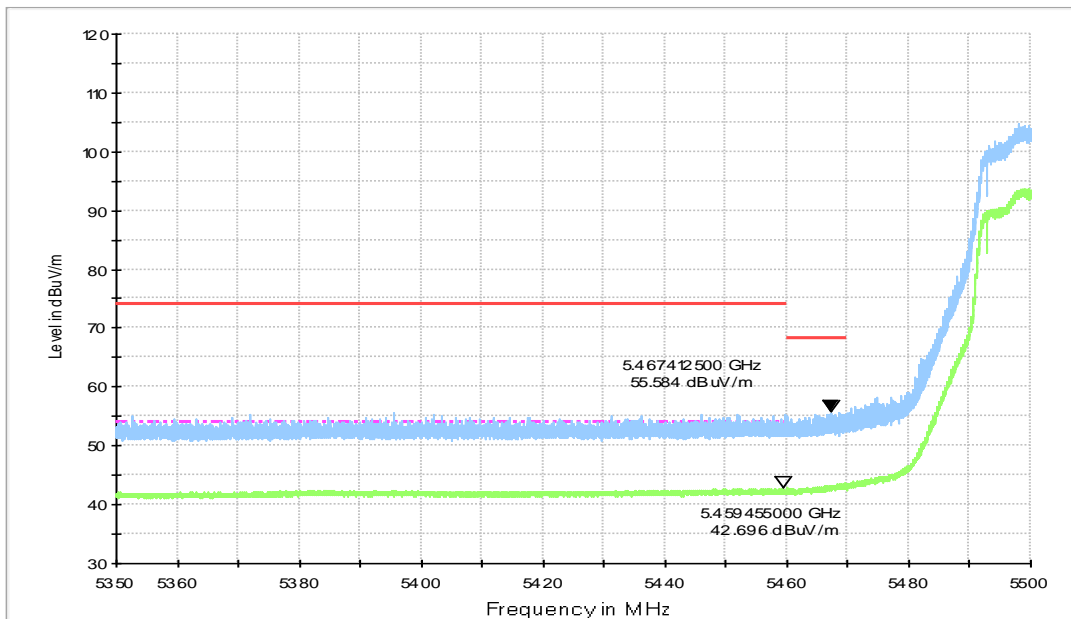


Fig.51 Band Edges (802.11n-HT40, 5510MHz)

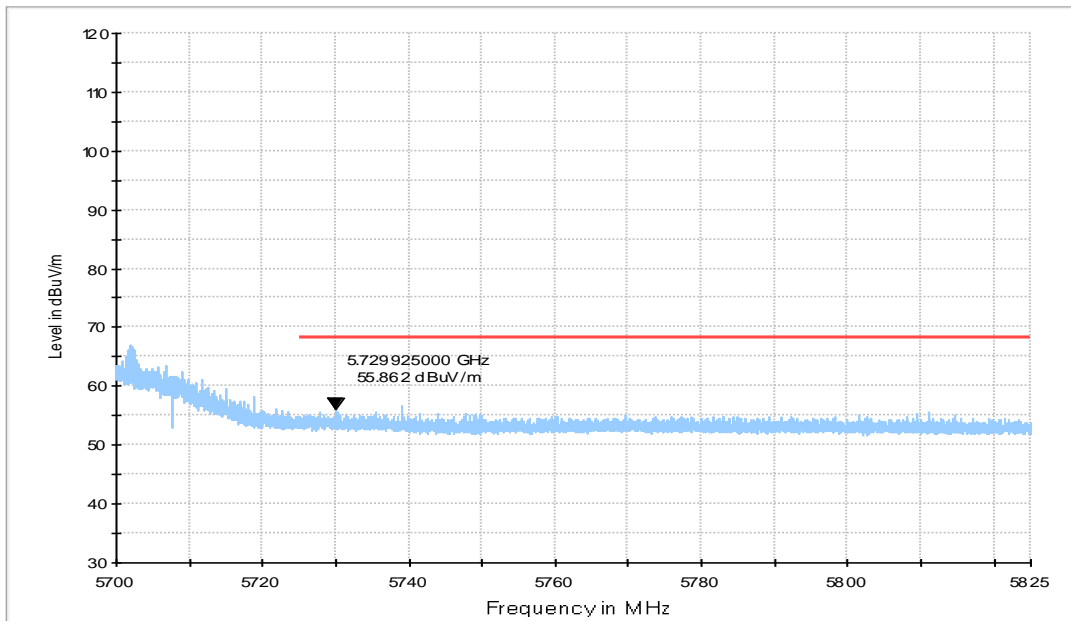


Fig.52 Band Edges (802.11n-HT40, 5670MHz)

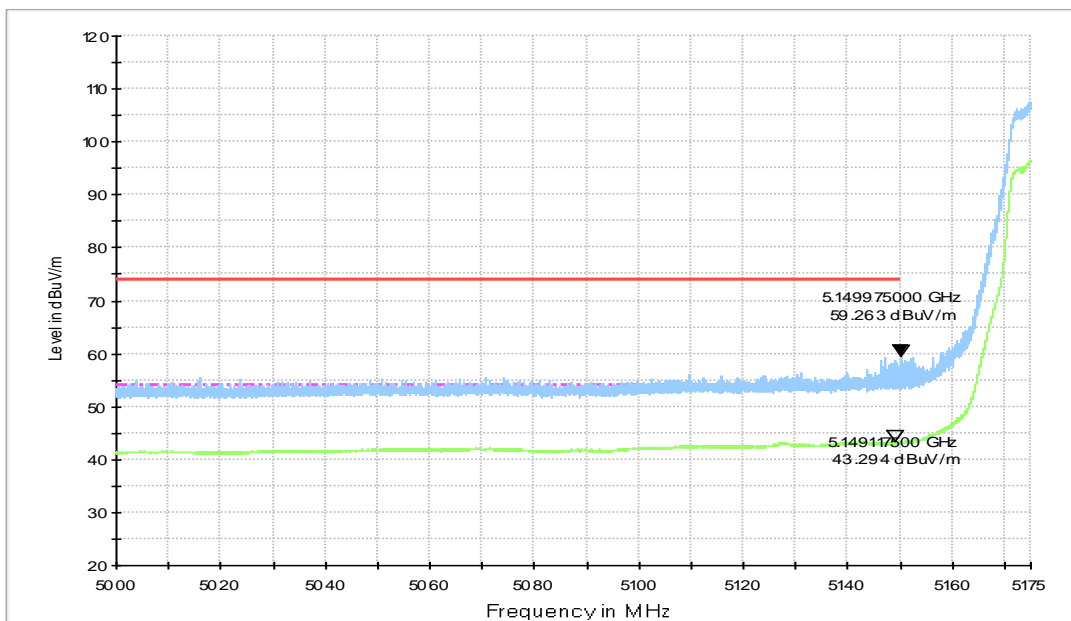


Fig.53 Band Edges (802.11ax-HT20, 5180MHz)

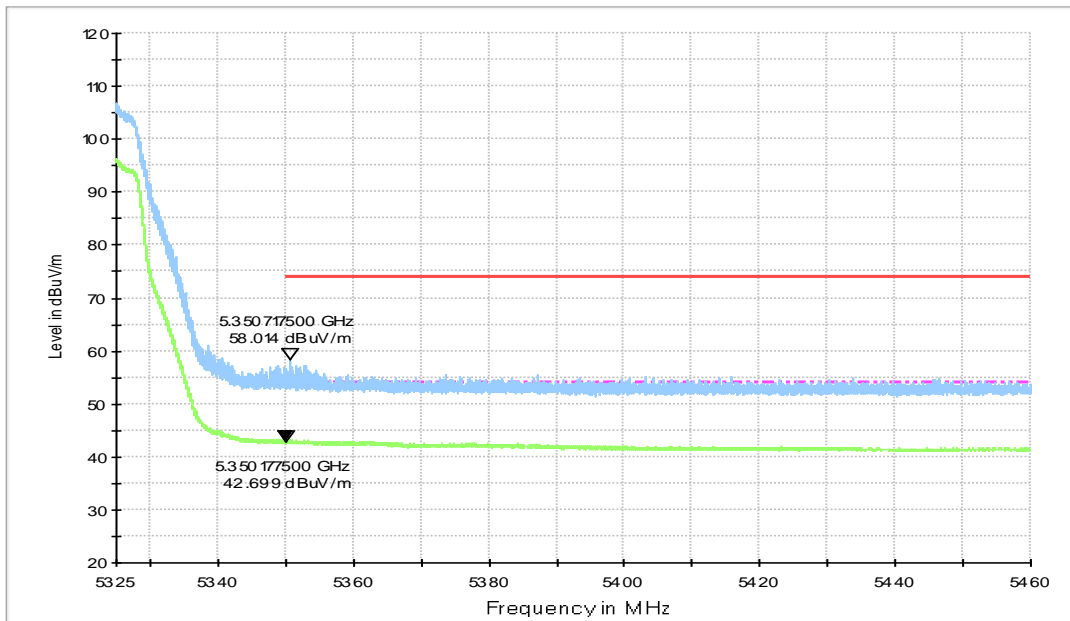


Fig.54 Band Edges (802.11ax-HT20, 5320MHz)

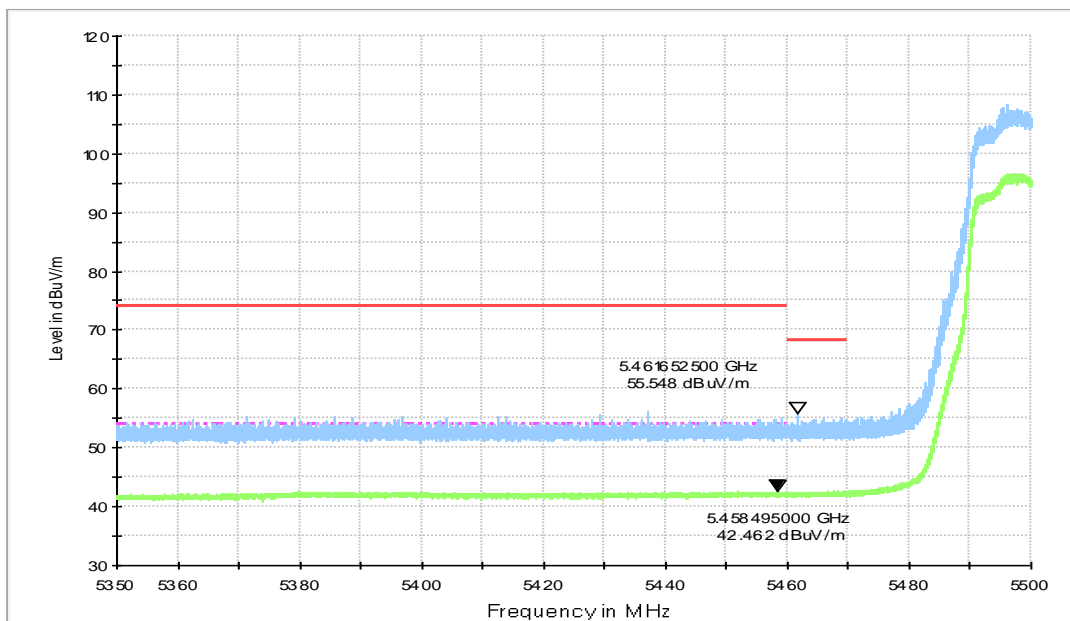


Fig.55 Band Edges (802.11ax-HT20, 5500MHz)

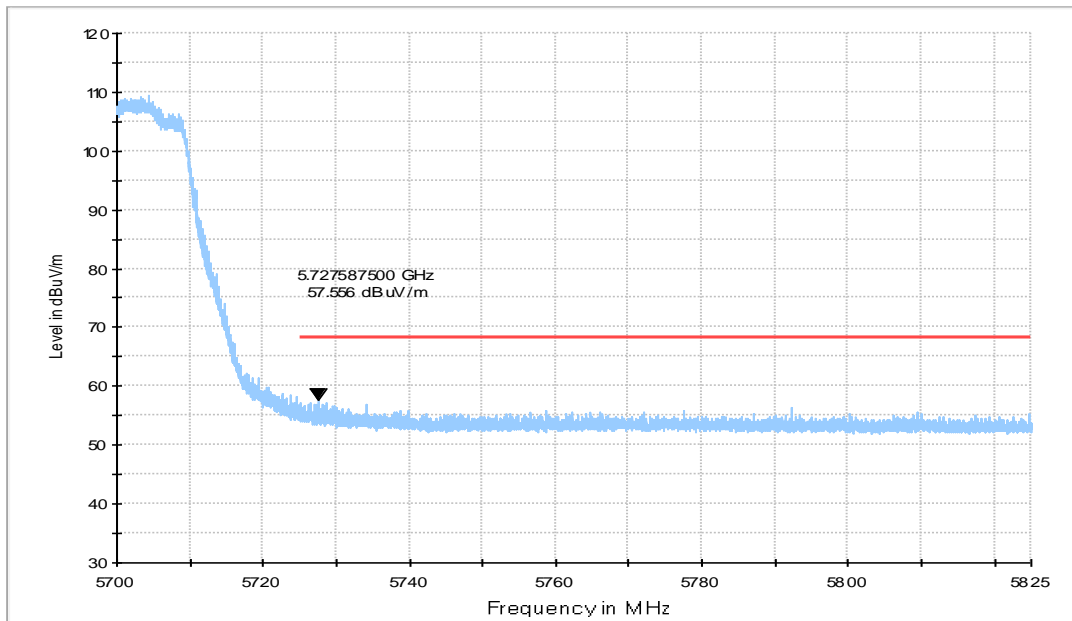


Fig.56 Band Edges (802.11ax-HT20, 5700MHz)

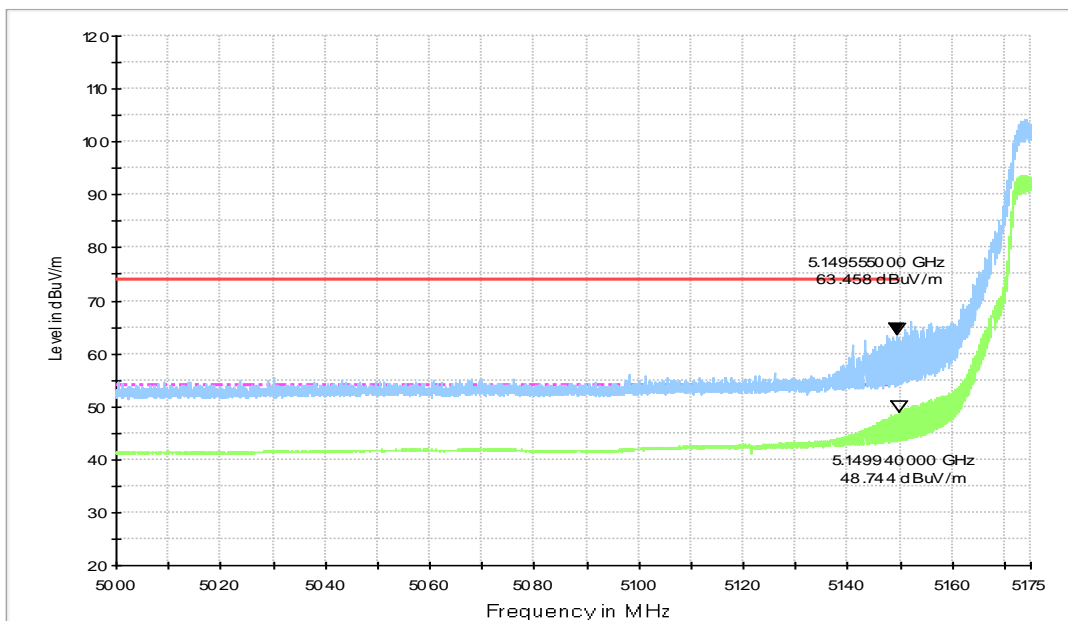


Fig.57 Band Edges (802.11ax-HT40, 5190MHz)

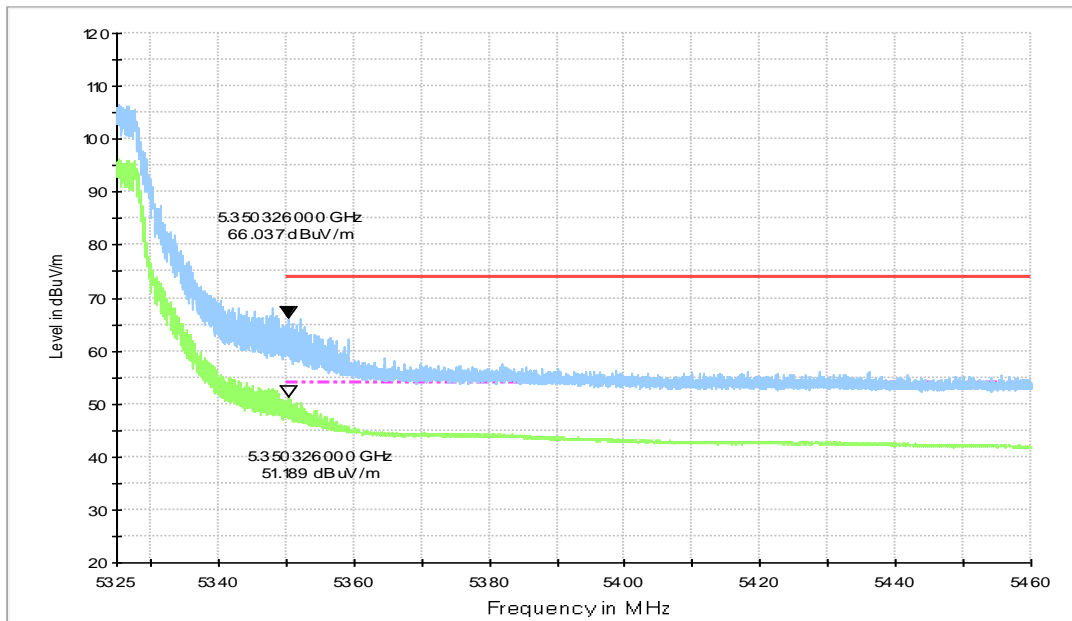


Fig.58 Band Edges (802.11ax-HT40, 5310MHz)

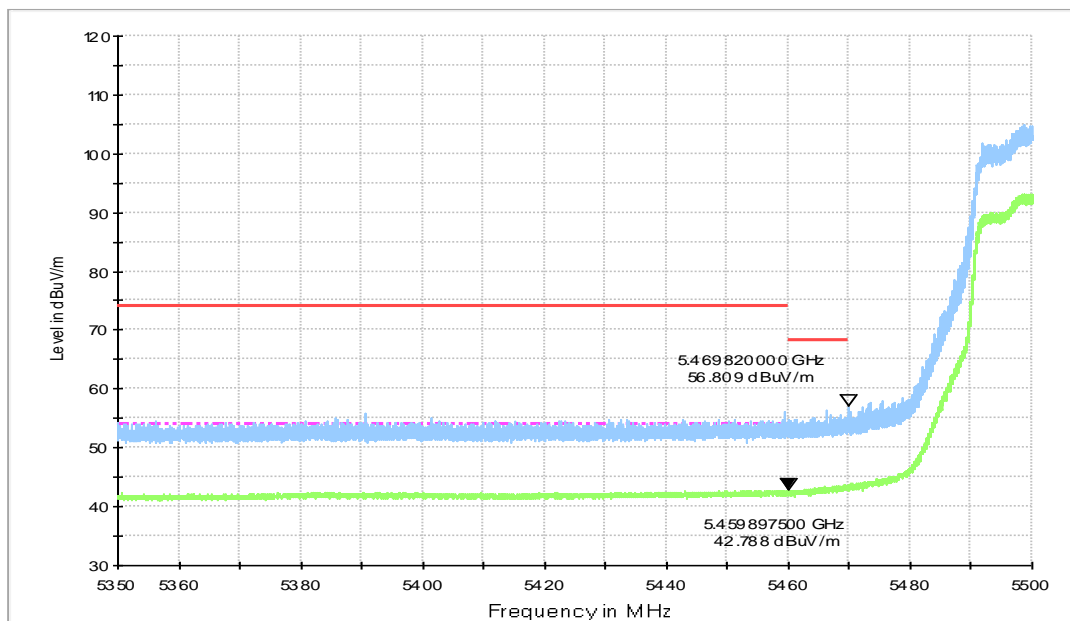


Fig.59 Band Edges (802.11ax-HT40, 5510MHz)

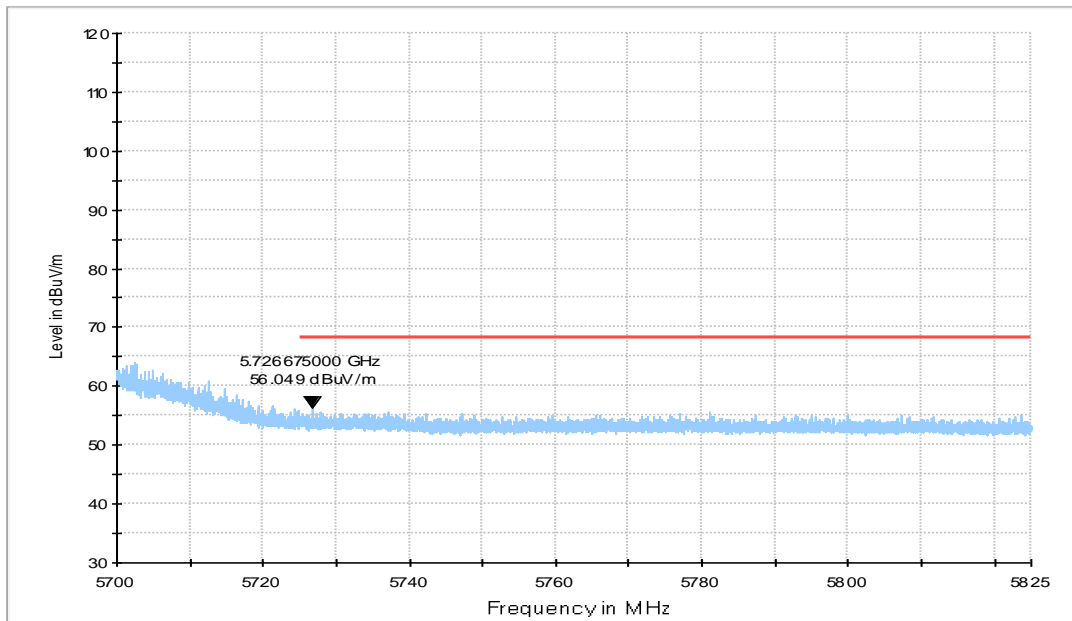


Fig.60 Band Edges (802.11ax-HT40, 5670MHz)

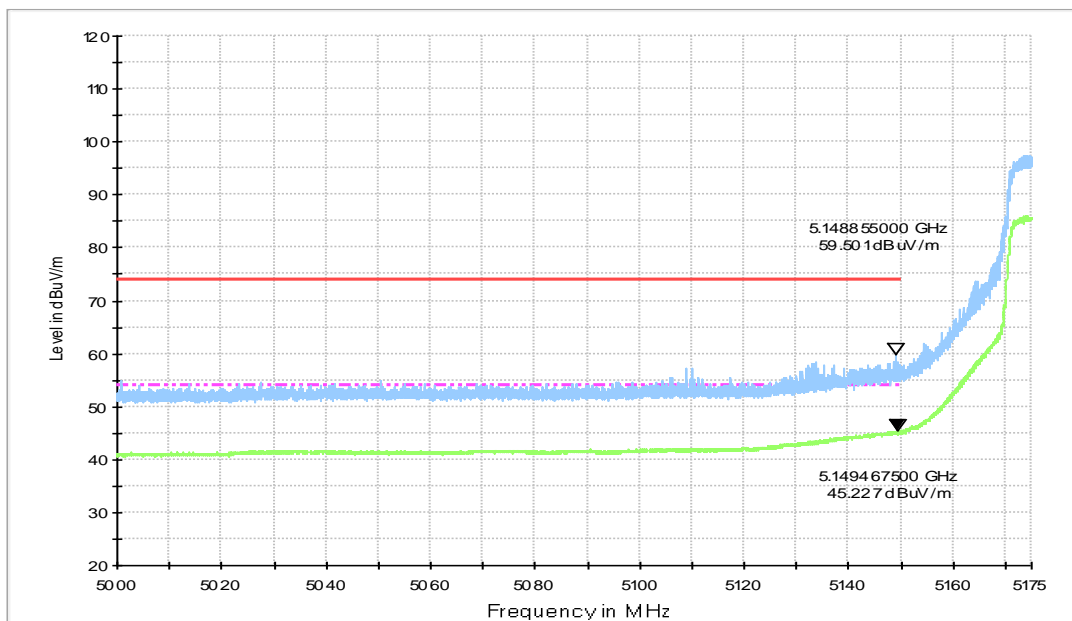


Fig.61 Band Edges (802.11ax-HT80, 5210MHz)

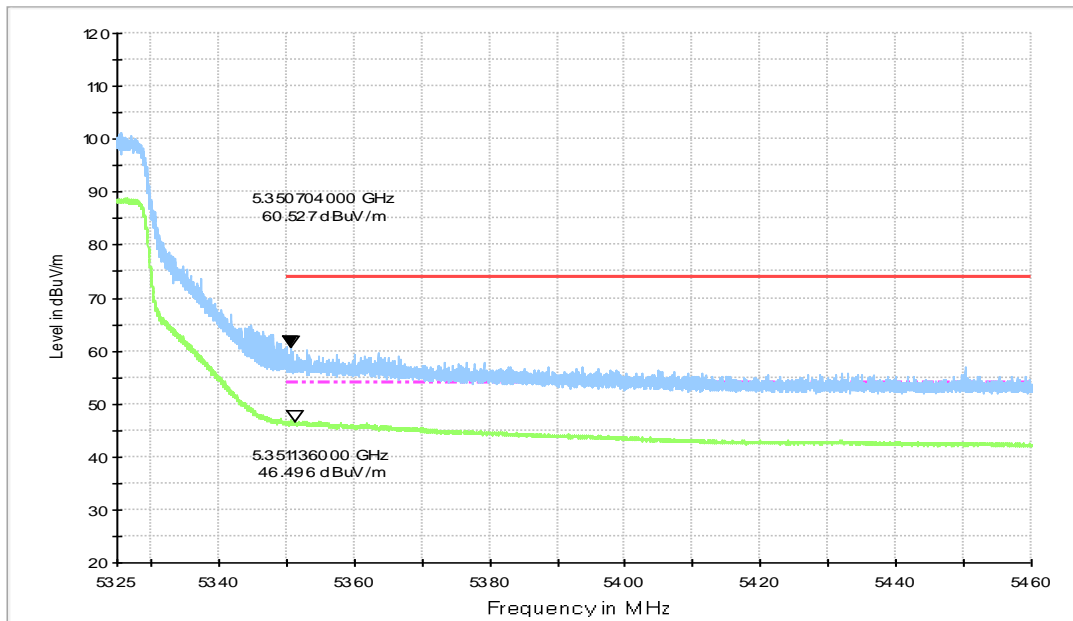


Fig.62 Band Edges (802.11ax-HT80, 5290MHz)

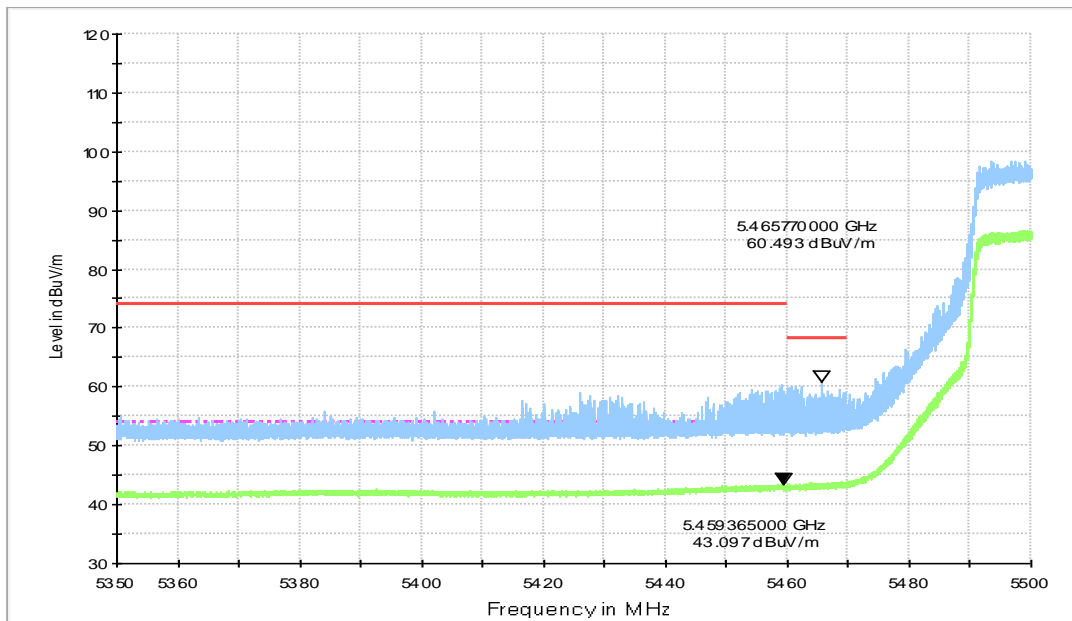


Fig.63 Band Edges (802.11ax-HT80, 5530MHz)

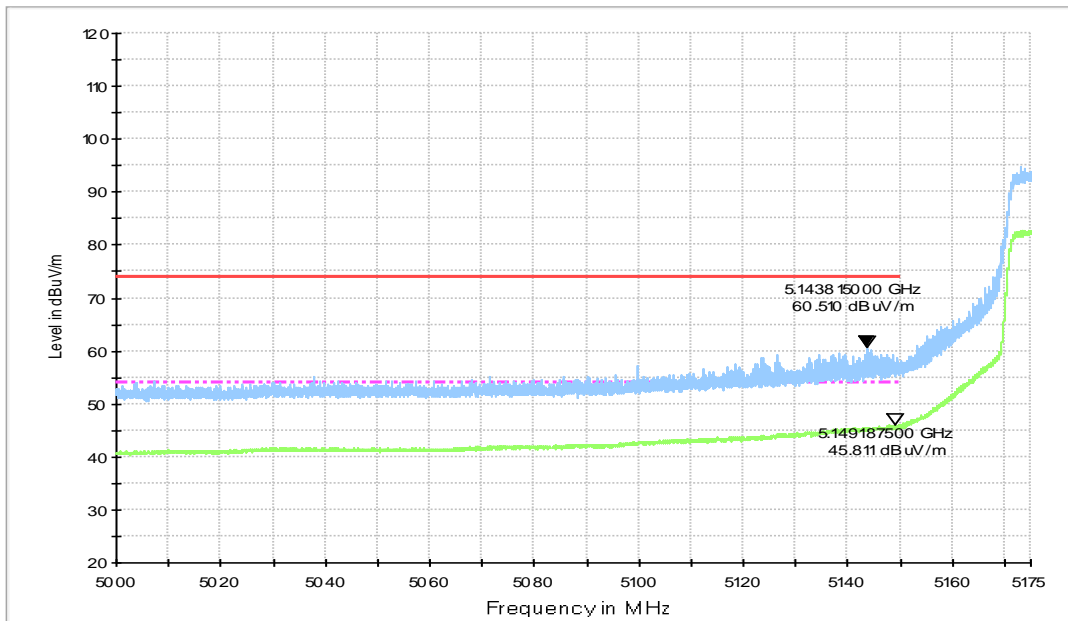


Fig.64 Band Edges (802.11ax-HT160, 5250MHz)

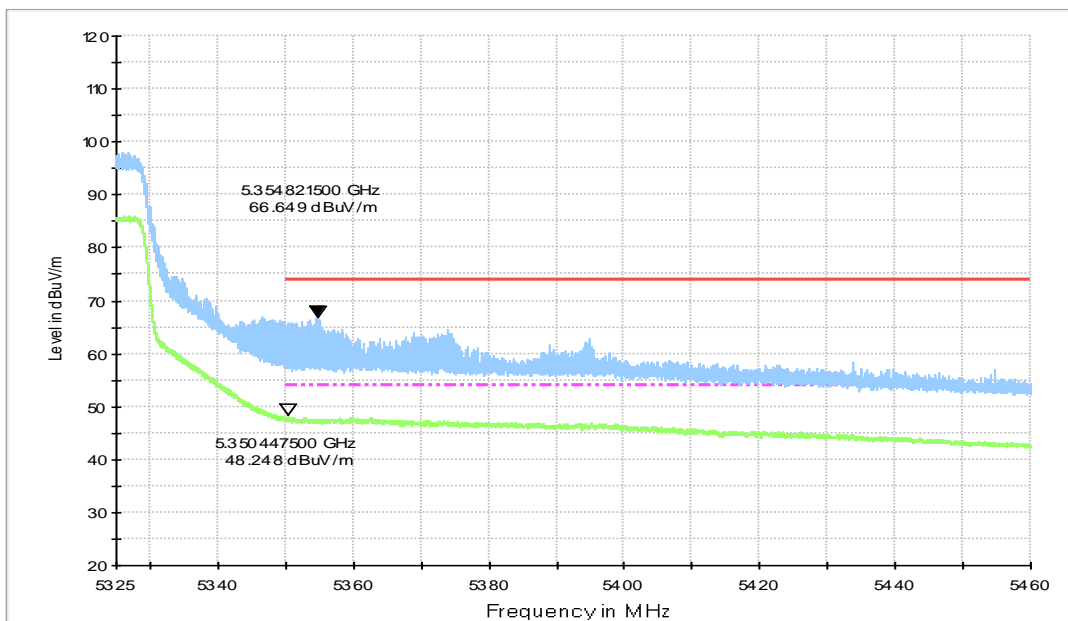


Fig.65 Band Edges (802.11ax-HT160, 5250MHz)

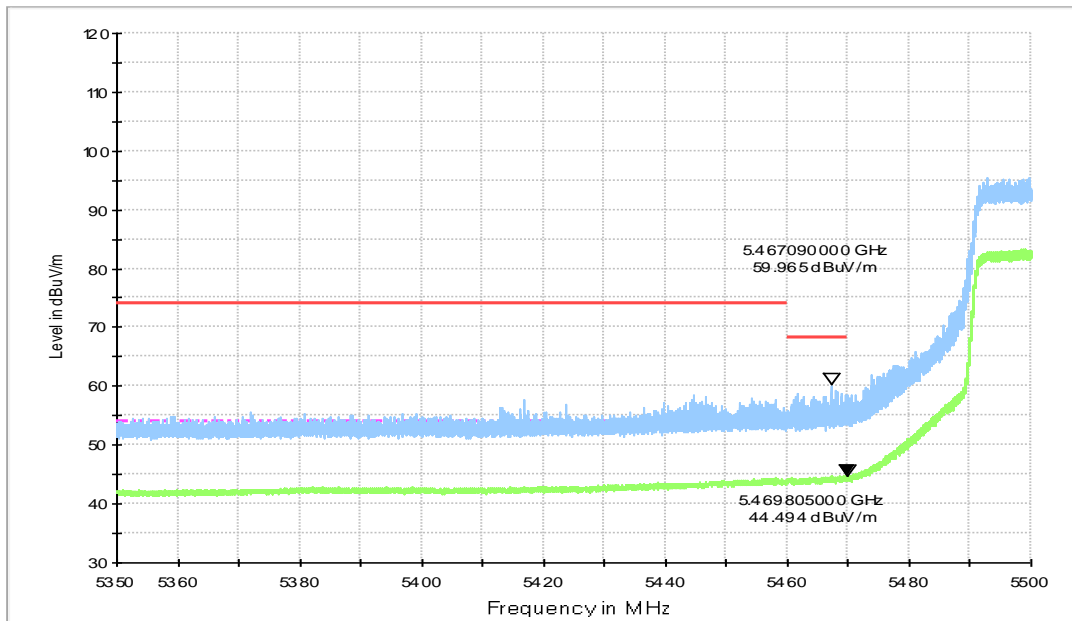


Fig.66 Band Edges (802.11ax-HT160, 5570MHz)

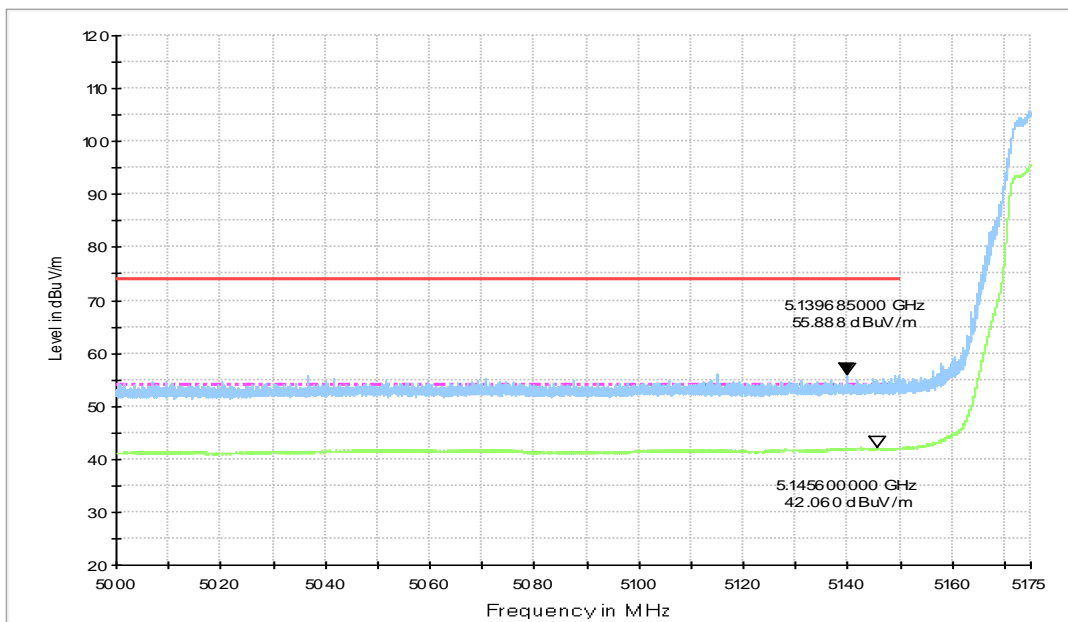


Fig.67 Band Edges (802.11ac-HT20, 5180MHz)

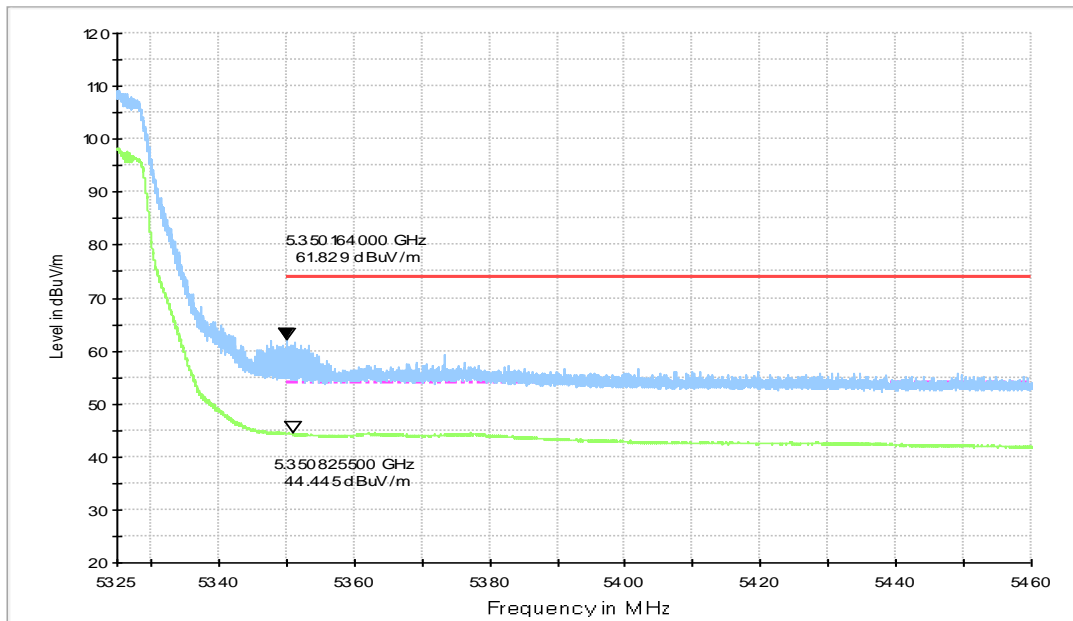


Fig.68 Band Edges (802.11ac-HT20, 5320MHz)

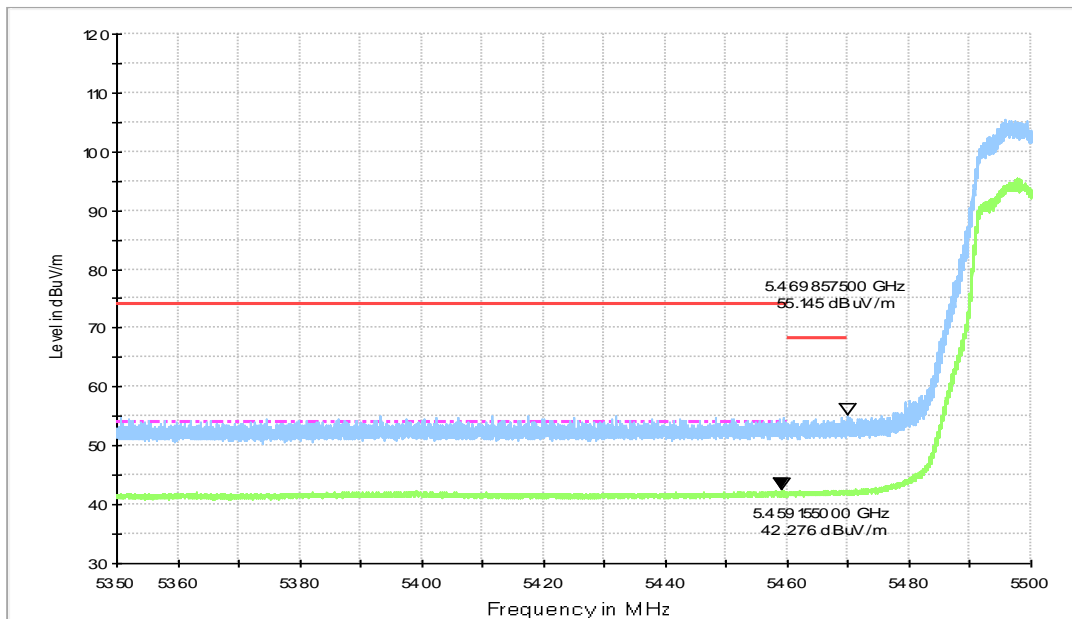


Fig.69 Band Edges (802.11ac-HT20, 5500MHz)

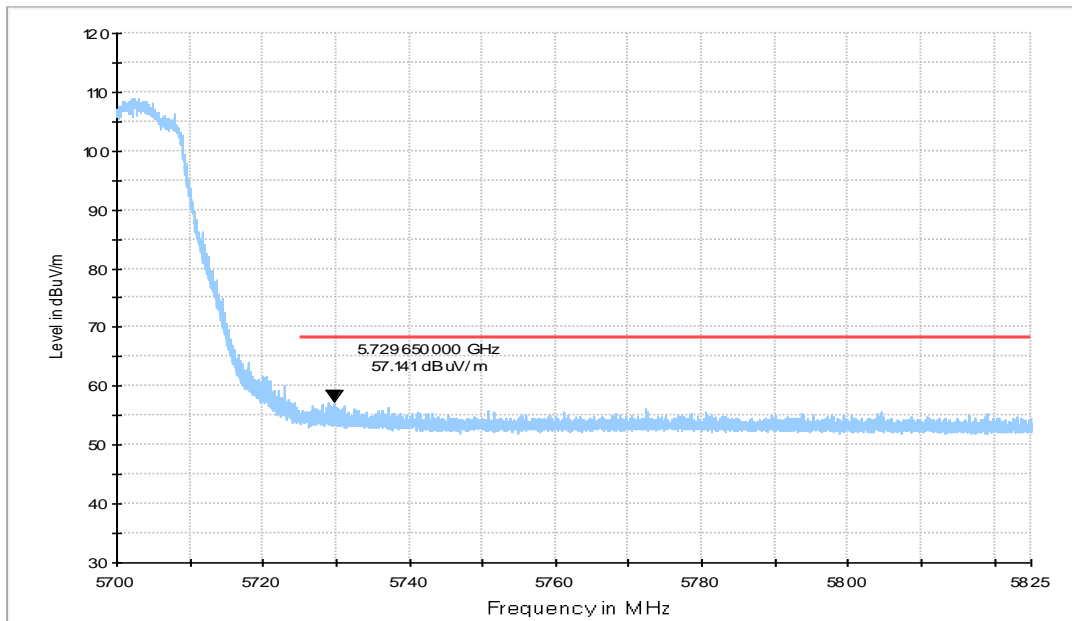


Fig.70 Band Edges (802.11ac-HT20, 5700MHz)

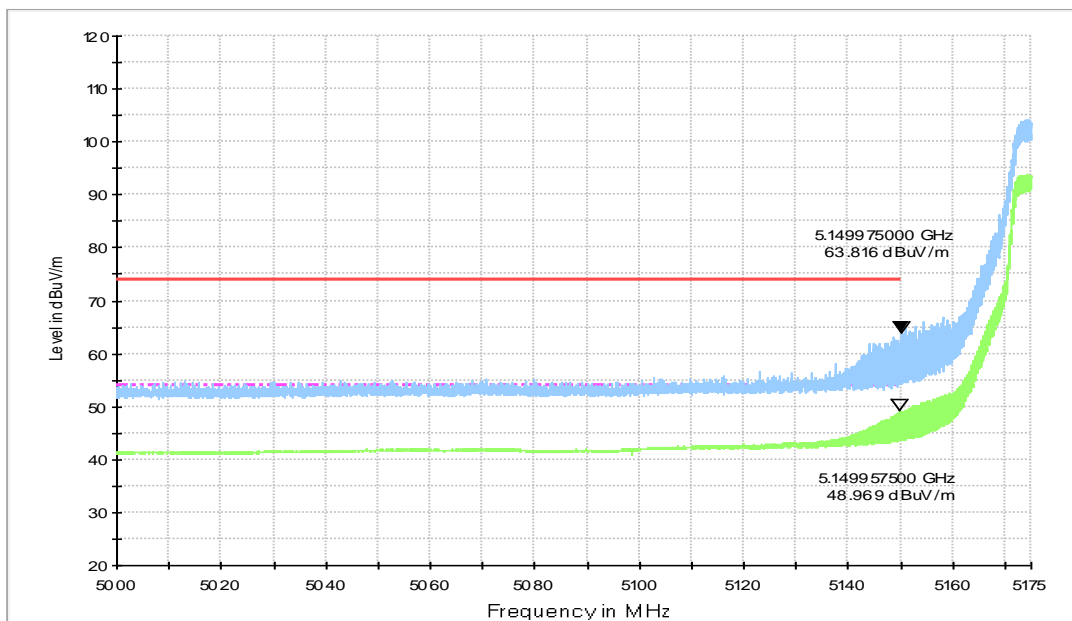


Fig.71 Band Edges (802.11ac-HT40, 5190MHz)

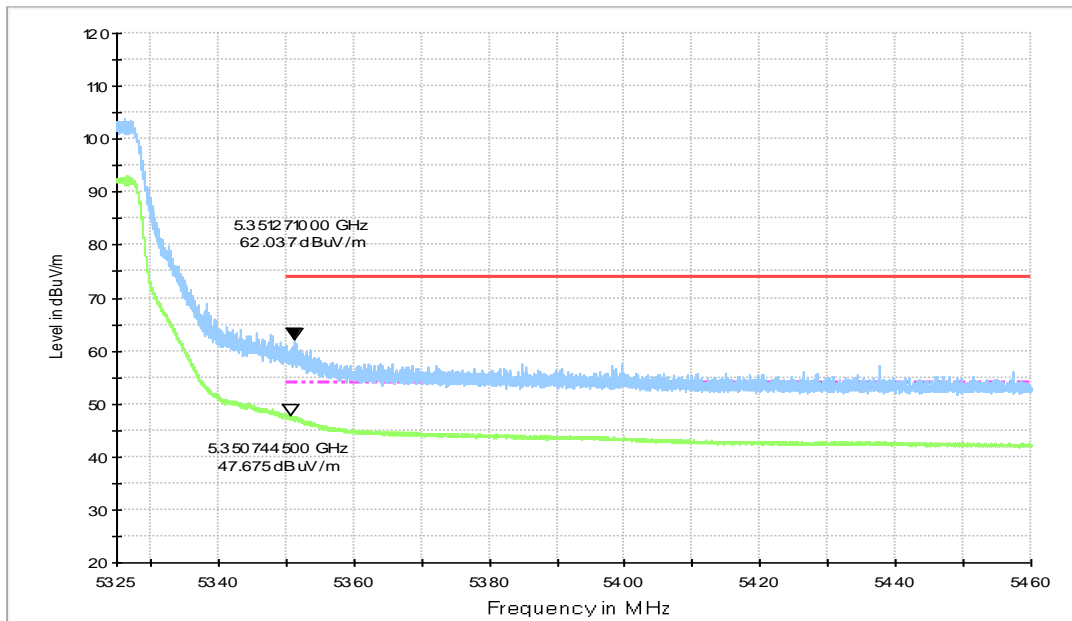


Fig.72 Band Edges (802.11ac-HT40, 5310MHz)

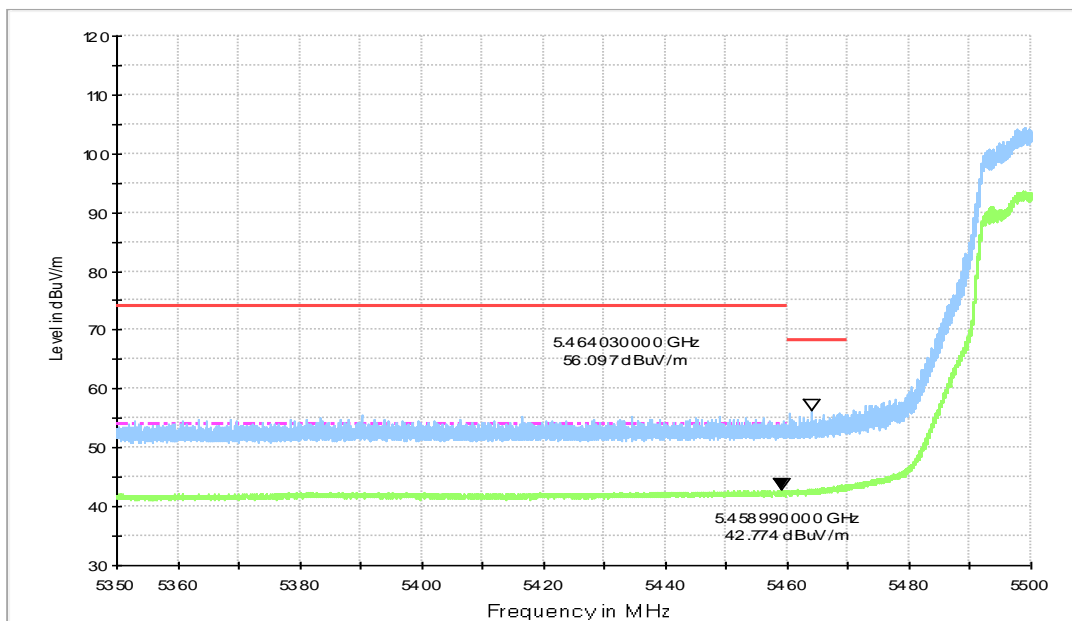


Fig.73 Band Edges (802.11ac-HT40, 5510MHz)

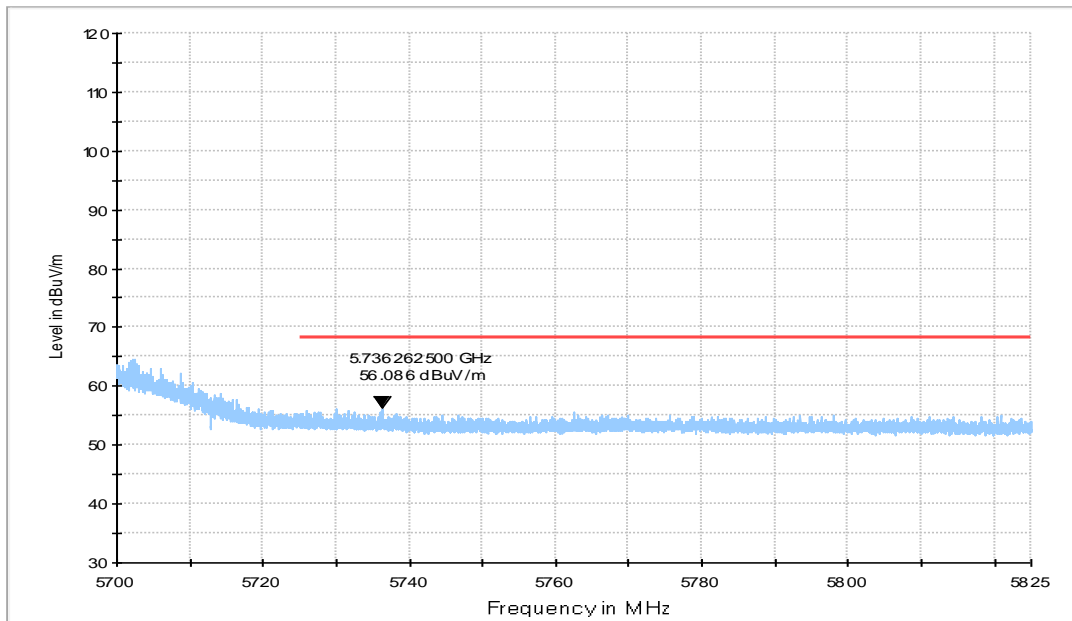


Fig.74 Band Edges (802.11ac-HT40, 5670MHz)

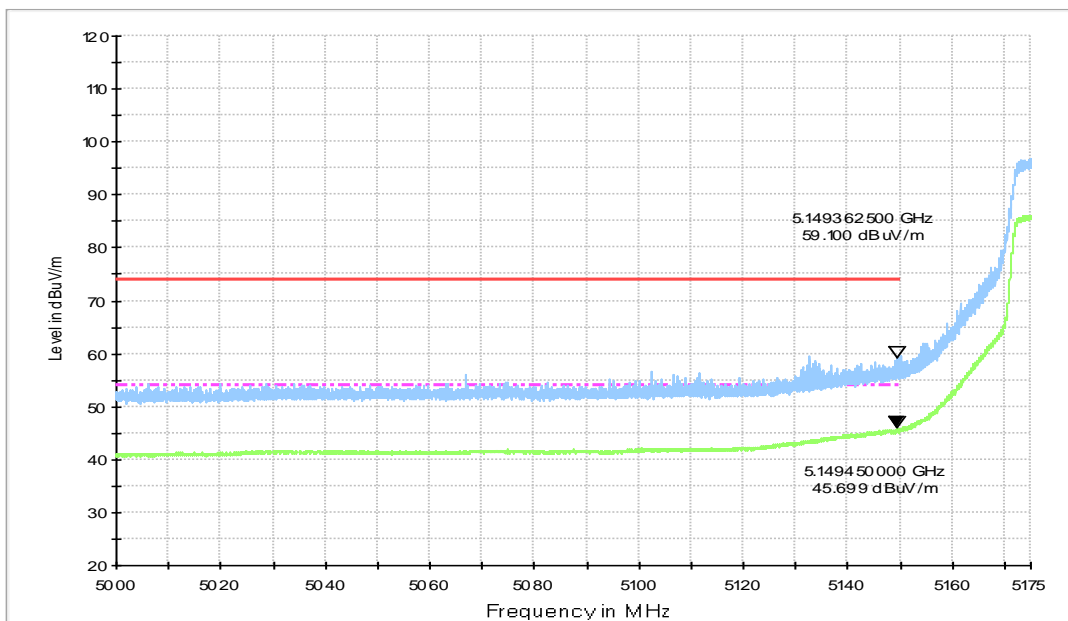


Fig.75 Band Edges (802.11ac-HT80, 5210MHz)

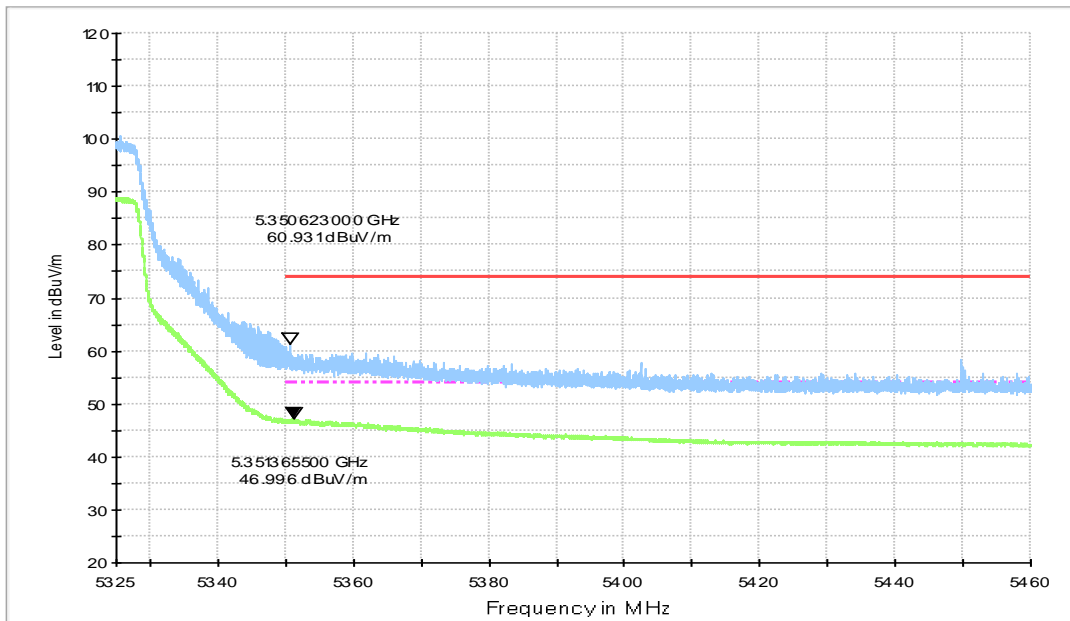


Fig.76 Band Edges (802.11ac-HT80, 5290MHz)

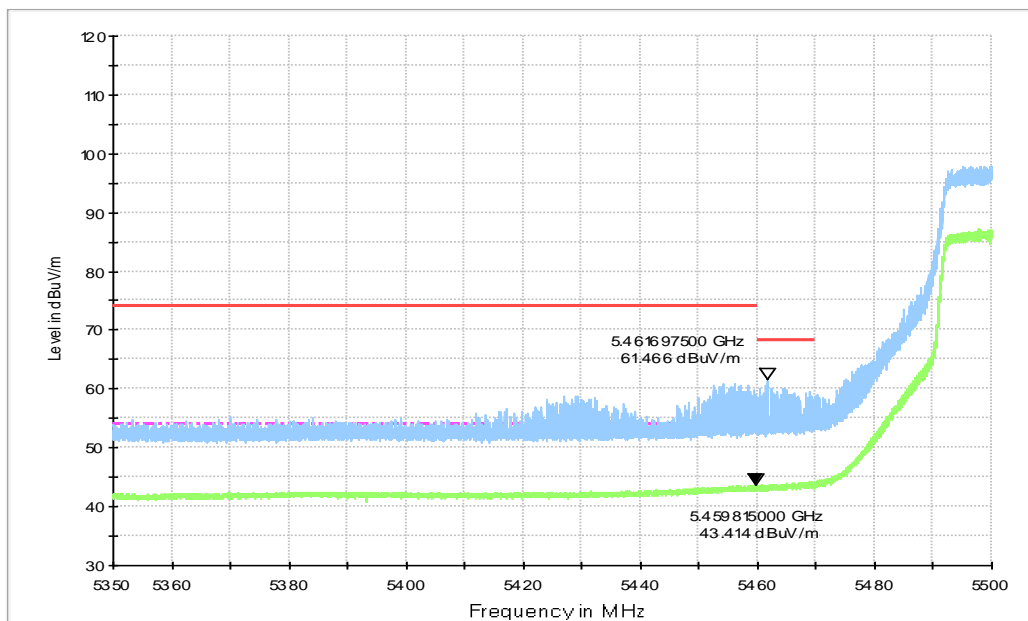


Fig.77 Band Edges (802.11ac-HT80, 5530MHz)

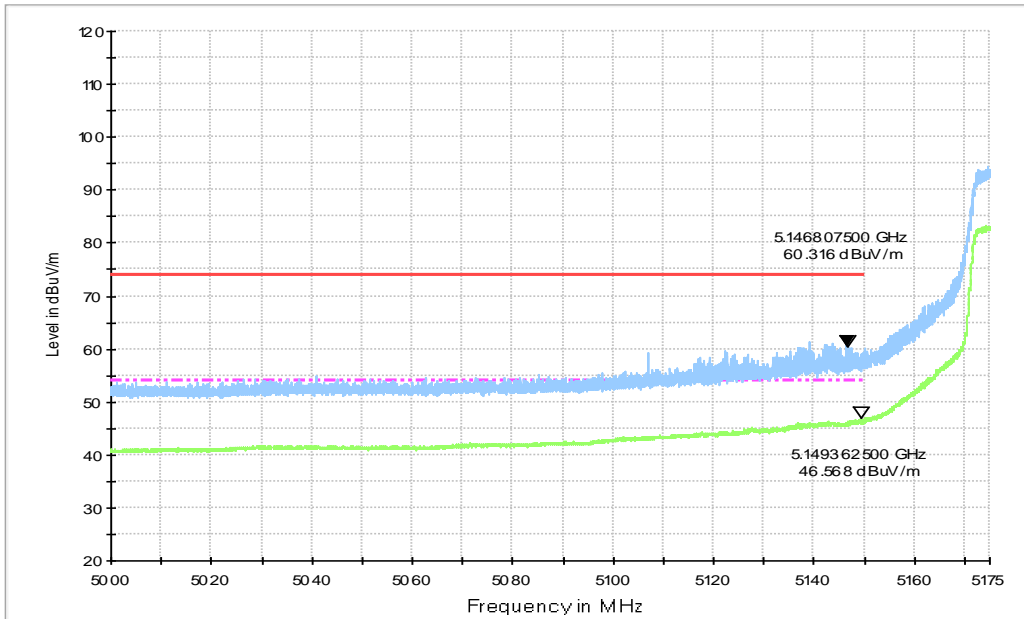


Fig.78 Band Edges (802.11ac-HT160, 5250MHz)

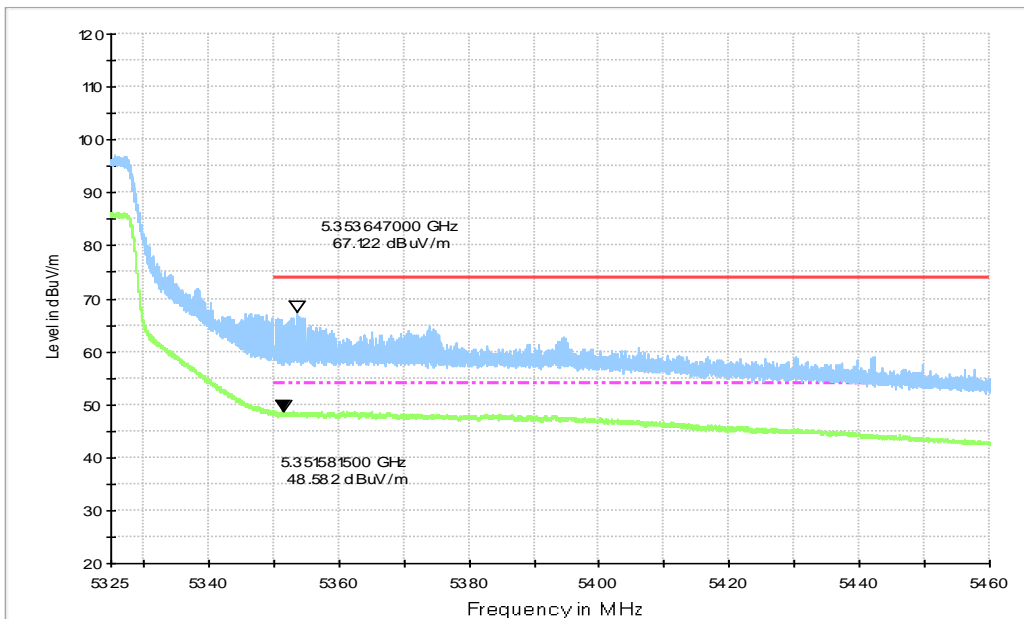


Fig.79 Band Edges (802.11ac-HT160, 5250MHz)

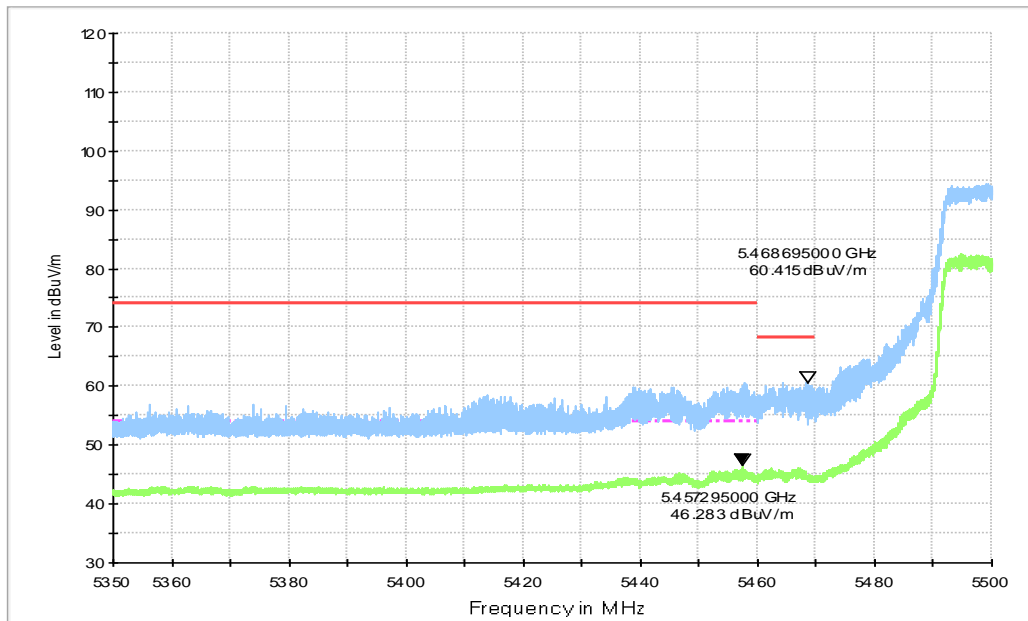


Fig.80 Band Edges (802.11ac-HT160, 5570MHz)

C.2. AC Power-line Conducted Emission

Reference

FCC 47 CFR Part 15, Clause 15.407, Clause 15.207

Method of Measurement:

See ANSI C63.10-2013 specifically.

See ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

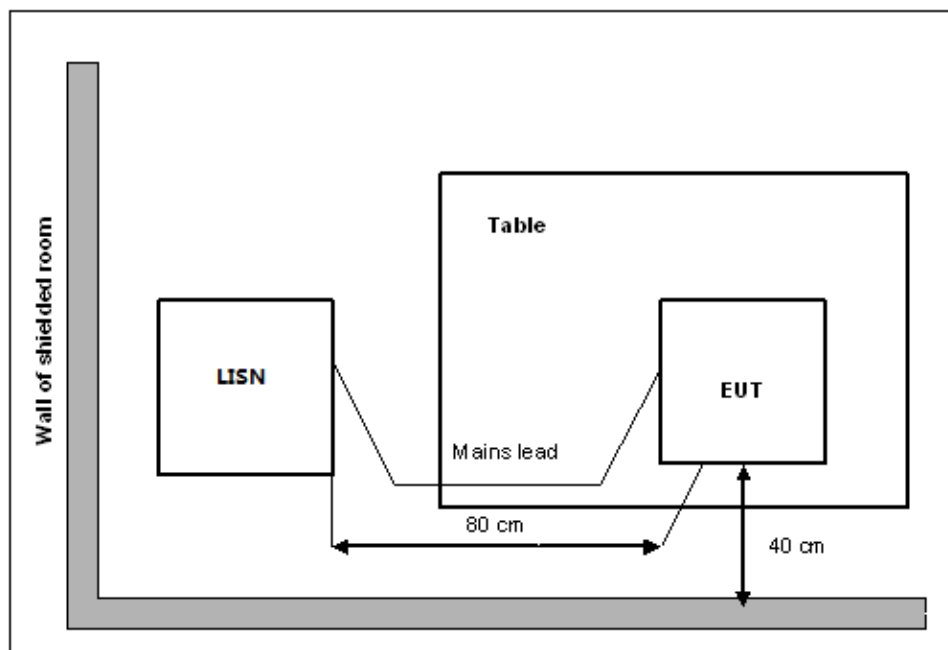
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/IF bandwidth	Sweep Time(s)
0.15-30	9kHz	1

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmitting state.

The EUT is powered by a travel adapter.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note: all modes have been investigated and the worst results shown here.

Conclusion: Pass

Test graphs as below:

Traffic:

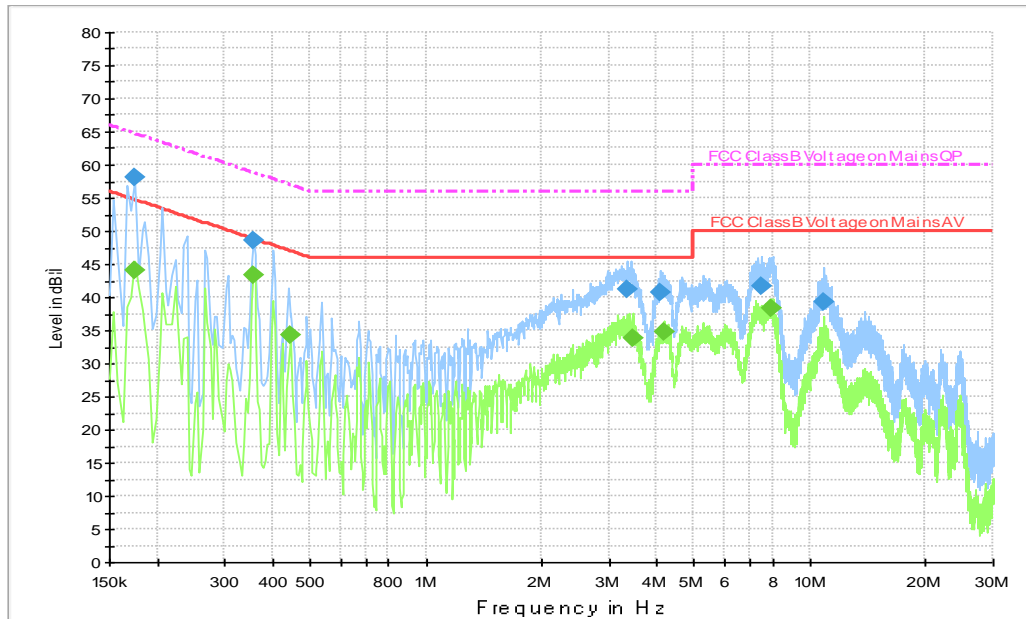


Fig.C.2.1 AC Powerline Conducted Emission-802.11a

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	58.1	5000.0	9.000	L1	19.7	6.7	64.8
0.354000	48.7	5000.0	9.000	L1	19.7	10.2	58.9
3.354000	41.3	5000.0	9.000	L1	19.6	14.7	56.0
4.090000	40.6	5000.0	9.000	L1	19.6	15.4	56.0
7.470000	41.8	5000.0	9.000	L1	19.6	18.2	60.0
10.894000	39.3	5000.0	9.000	L1	19.7	20.7	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	44.1	5000.0	9.000	L1	19.7	10.7	54.8
0.354000	43.4	5000.0	9.000	L1	19.7	5.4	48.9
0.446000	34.2	5000.0	9.000	L1	19.7	12.8	46.9
3.470000	33.8	5000.0	9.000	L1	19.6	12.2	46.0
4.158000	34.8	5000.0	9.000	L1	19.6	11.2	46.0
7.950000	38.5	5000.0	9.000	L1	19.7	11.5	50.0

Idle:

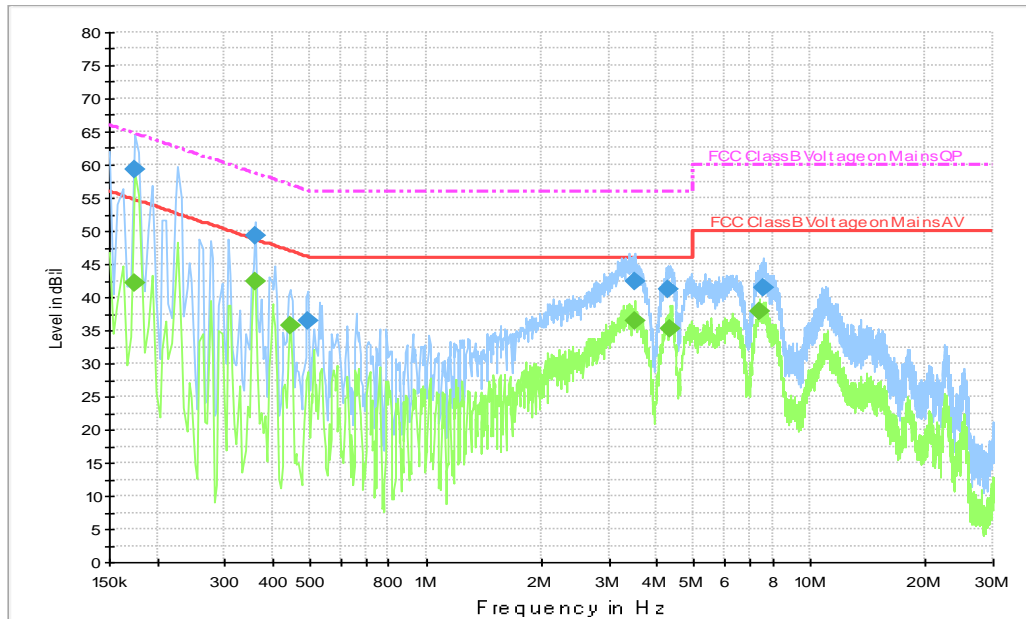


Fig.C.2.2 AC Powerline Conducted Emission-Idle

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	59.4	5000.0	9.000	N	19.7	5.4	64.8
0.358000	49.3	5000.0	9.000	L1	19.7	9.5	58.8
0.494000	36.5	5000.0	9.000	L1	19.7	19.6	56.1
3.490000	42.4	5000.0	9.000	L1	19.6	13.6	56.0
4.258000	41.1	5000.0	9.000	L1	19.6	14.9	56.0
7.586000	41.5	5000.0	9.000	L1	19.6	18.5	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	42.2	5000.0	9.000	N	19.7	12.5	54.8
0.358000	42.3	5000.0	9.000	L1	19.7	6.5	48.8
0.442000	35.7	5000.0	9.000	L1	19.7	11.3	47.0
3.502000	36.4	5000.0	9.000	L1	19.6	9.6	46.0
4.346000	35.3	5000.0	9.000	L1	19.6	10.7	46.0
7.398000	37.8	5000.0	9.000	L1	19.6	12.2	50.0

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