

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)
17909.250	44.92	-26.18	45.95	25.15	54.00	9.08	V
17920.250	44.88	-26.18	45.95	25.11	54.00	9.12	V
14494.850	38.86	-28.77	41.90	25.73	54.00	15.14	V
14481.100	38.55	-28.77	41.90	25.42	54.00	15.45	H
5459.215	41.63	-27.10	34.20	34.53	54.00	12.37	H
5453.860	41.57	-27.10	34.20	34.47	54.00	12.43	H

802.11ax-HT40

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)
17920.800	44.85	-26.18	45.95	25.08	54.00	9.15	H
17926.300	44.84	-26.18	45.95	25.07	54.00	9.16	H
14498.700	38.63	-28.77	41.90	25.50	54.00	15.37	H
14484.400	38.48	-28.77	41.90	25.35	54.00	15.52	H
5149.980	43.03	-27.28	34.00	36.31	54.00	10.97	H
5147.880	42.57	-27.29	34.00	35.86	54.00	11.43	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)
17922.450	44.87	-26.18	45.95	25.10	54.00	9.13	V
17908.150	44.78	-26.18	45.95	25.01	54.00	9.22	V
14482.200	38.82	-28.77	41.90	25.69	54.00	15.18	V
14483.300	38.41	-28.77	41.90	25.28	54.00	15.59	H
5350.448	42.42	-27.12	34.20	35.34	54.00	11.58	H
5350.112	41.92	-27.12	34.20	34.84	54.00	12.08	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)
17936.750	44.90	-26.18	45.95	25.13	54.00	9.10	V
17914.750	44.74	-26.18	45.95	24.97	54.00	9.26	V
14494.850	38.77	-28.77	41.90	25.64	54.00	15.23	V
14498.700	38.61	-28.77	41.90	25.48	54.00	15.39	H
5458.105	41.64	-27.10	34.20	34.54	54.00	12.36	H
5454.130	41.62	-27.10	34.20	34.52	54.00	12.38	H

802.11ax-HT80

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)
17898.250	45.30	-26.18	45.95	25.53	54.00	8.70	V
17916.400	44.81	-26.18	45.95	25.04	54.00	9.19	V
14496.500	38.54	-28.77	41.90	25.41	54.00	15.46	V
14487.700	38.41	-28.77	41.90	25.28	54.00	15.59	V
5145.720	41.53	-27.29	34.00	34.82	54.00	12.47	H
5125.560	41.50	-27.29	34.00	34.79	54.00	12.50	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)
17912.550	44.86	-26.18	45.95	25.09	54.00	9.14	V
17914.750	44.80	-26.18	45.95	25.03	54.00	9.20	H
14496.500	38.71	-28.77	41.90	25.58	54.00	15.29	H
14498.150	38.60	-28.77	41.90	25.47	54.00	15.40	V
5350.960	47.13	-27.12	34.20	40.05	54.00	6.87	H
5351.264	46.84	-27.12	34.20	39.76	54.00	7.16	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)
17921.900	44.86	-26.18	45.95	25.09	54.00	9.14	H
17913.650	44.83	-26.18	45.95	25.06	54.00	9.17	H
14493.200	38.42	-28.77	41.90	25.29	54.00	15.58	H
14491.550	38.39	-28.77	41.90	25.26	54.00	15.61	H
5445.235	44.36	-27.13	34.30	37.19	54.00	9.64	H
5457.280	44.36	-27.10	34.20	37.26	54.00	9.64	H

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)
17915.850	44.69	-26.18	45.95	24.92	54.00	9.31	V
17916.950	44.66	-26.18	45.95	24.89	54.00	9.34	H
14488.250	38.64	-28.77	41.90	25.51	54.00	15.36	V
14490.450	38.62	-28.77	41.90	25.49	54.00	15.38	H
5118.360	42.19	-27.29	34.00	35.48	54.00	11.81	H
5125.780	42.18	-27.29	34.00	35.47	54.00	11.82	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)
17916.950	44.81	-26.18	45.95	25.04	54.00	9.19	V
17915.300	44.73	-26.18	45.95	24.96	54.00	9.27	V
14477.800	38.65	-28.77	41.90	25.52	54.00	15.35	H
14492.100	38.60	-28.77	41.90	25.47	54.00	15.40	H
5444.335	43.15	-27.13	34.30	35.98	54.00	10.85	H
5447.830	43.08	-27.10	34.20	35.98	54.00	10.92	H

802.11be-HT20

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)
17910.900	44.84	-26.18	45.95	25.07	54.00	9.16	H
17934.550	44.76	-26.18	45.95	24.99	54.00	9.24	H
14492.100	38.78	-28.77	41.90	25.65	54.00	15.22	V
13272.200	38.73	-30.02	40.60	28.15	54.00	15.27	V
5025.840	40.10	-27.45	33.70	33.85	54.00	13.90	V
5104.700	40.08	-27.29	34.00	33.37	54.00	13.92	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)
17918.600	44.95	-26.18	45.95	25.18	54.00	9.05	H
17907.600	44.83	-26.18	45.95	25.06	54.00	9.17	V
14498.150	38.77	-28.77	41.90	25.64	54.00	15.23	V
14497.600	38.66	-28.77	41.90	25.53	54.00	15.34	V
5439.392	41.55	-27.13	34.30	34.38	54.00	12.45	H
5420.544	41.26	-27.13	34.30	34.09	54.00	12.74	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)
17917.500	44.89	-26.18	45.95	25.12	54.00	9.11	H
17902.650	44.87	-26.18	45.95	25.10	54.00	9.13	V
14489.900	38.70	-28.77	41.90	25.57	54.00	15.30	H
14483.850	38.46	-28.77	41.90	25.33	54.00	15.54	V
5453.080	41.09	-27.10	34.20	33.99	54.00	12.91	H
5454.400	40.93	-27.10	34.20	33.83	54.00	13.07	H

802.11be-HT40

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)
17920.250	44.78	-26.18	45.95	25.01	54.00	9.22	H
17914.750	44.76	-26.18	45.95	24.99	54.00	9.24	H
14489.350	38.73	-28.77	41.90	25.60	54.00	15.27	V
14493.200	38.67	-28.77	41.90	25.54	54.00	15.33	V
5148.740	42.76	-27.28	34.00	36.04	54.00	11.24	H
5148.580	42.67	-27.28	34.00	35.95	54.00	11.33	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)
17922.450	44.85	-26.18	45.95	25.08	54.00	9.15	V
17914.200	44.77	-26.18	45.95	25.00	54.00	9.23	H
14495.400	38.68	-28.77	41.90	25.55	54.00	15.32	H
14498.150	38.68	-28.77	41.90	25.55	54.00	15.32	H
5350.928	41.62	-27.12	34.20	34.54	54.00	12.38	H
5353.312	41.38	-27.12	34.20	34.30	54.00	12.62	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)
17917.500	44.72	-26.18	45.95	24.95	54.00	9.28	V
17902.100	44.60	-26.18	45.95	24.83	54.00	9.40	V
14498.700	38.86	-28.77	41.90	25.73	54.00	15.14	V
14492.650	38.65	-28.77	41.90	25.52	54.00	15.35	V
5457.055	41.18	-27.10	34.20	34.08	54.00	12.82	H
5402.230	40.90	-27.13	34.30	33.73	54.00	13.10	H

802.11be-HT80

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)
17918.050	44.83	-26.18	45.95	25.06	54.00	9.17	V
17912.000	44.67	-26.18	45.95	24.90	54.00	9.33	V
14499.800	38.68	-28.77	41.90	25.55	54.00	15.32	V
14498.700	38.61	-28.77	41.90	25.48	54.00	15.39	H
5143.960	43.59	-27.29	34.00	36.88	54.00	10.41	H
5116.100	43.06	-27.29	34.00	36.35	54.00	10.94	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)
17913.650	44.91	-26.18	45.95	25.14	54.00	9.09	V
17910.900	44.81	-26.18	45.95	25.04	54.00	9.19	V
14483.850	38.60	-28.77	41.90	25.47	54.00	15.40	V
14498.150	38.54	-28.77	41.90	25.41	54.00	15.46	V
5350.000	42.16	-27.12	34.20	35.08	54.00	11.84	H
5359.488	42.09	-27.12	34.20	35.01	54.00	11.91	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)
17915.300	44.79	-26.18	45.95	25.02	54.00	9.21	H
17910.900	44.73	-26.18	45.95	24.96	54.00	9.27	V
14494.850	38.77	-28.77	41.90	25.64	54.00	15.23	H
14486.600	38.66	-28.77	41.90	25.53	54.00	15.34	H
5437.525	41.73	-27.13	34.30	34.56	54.00	12.27	H
5452.975	41.69	-27.10	34.20	34.59	54.00	12.31	H

802.11be-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)
17918.050	44.86	-26.18	45.95	25.09	54.00	9.14	H
17927.400	44.76	-26.18	45.95	24.99	54.00	9.24	V
14491.550	38.56	-28.77	41.90	25.43	54.00	15.44	H
14499.250	38.54	-28.77	41.90	25.41	54.00	15.46	V
5117.260	43.14	-27.29	34.00	36.43	54.00	10.86	H
5125.120	42.98	-27.29	34.00	36.27	54.00	11.02	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)
17916.950	44.93	-26.18	45.95	25.16	54.00	9.07	V
17924.100	44.88	-26.18	45.95	25.11	54.00	9.12	H
14486.600	38.92	-28.77	41.90	25.79	54.00	15.08	V
14492.100	38.81	-28.77	41.90	25.68	54.00	15.19	H
5445.205	43.34	-27.13	34.30	36.17	54.00	10.66	H
5447.530	43.31	-27.10	34.20	36.21	54.00	10.69	H

PEAK Results:

802.11a

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)
17932.350	56.54	-26.18	45.95	36.77	74.00	17.46	H
17893.300	56.30	-26.18	45.95	36.53	74.00	17.70	V
13747.400	52.19	-29.40	41.10	40.49	68.20	16.01	H
14237.450	52.06	-28.94	41.75	39.25	68.20	16.14	H
5149.140	55.04	-27.28	34.00	48.32	74.00	18.96	H
5149.540	54.73	-27.28	34.00	48.01	74.00	19.27	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)
17953.800	55.31	-26.18	45.95	35.54	74.00	18.69	V
17896.600	55.28	-26.18	45.95	35.51	74.00	18.72	V
13744.650	52.50	-29.40	41.10	40.80	68.20	15.70	V
13602.750	52.05	-29.86	40.80	41.11	68.20	16.15	H
5409.856	53.68	-27.13	34.30	46.51	74.00	20.32	H
5452.160	53.63	-27.10	34.20	46.53	74.00	20.37	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)
17917.500	55.92	-26.18	45.95	36.15	74.00	18.08	V
17929.050	55.57	-26.18	45.95	35.80	74.00	18.43	V
14103.800	51.20	-28.90	41.70	38.40	68.20	17.00	V
13738.050	51.04	-29.40	41.10	39.34	68.20	17.16	V
5453.905	54.10	-27.10	34.20	47.00	74.00	19.90	H
5462.095	53.49	-27.10	34.20	46.39	68.20	14.71	H

802.11n-HT20

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)
17915.850	55.67	-26.18	45.95	35.90	74.00	18.33	V
17935.650	55.53	-26.18	45.95	35.76	74.00	18.47	V
13688.550	51.58	-29.51	41.00	40.09	68.20	16.62	H
13816.700	51.31	-29.34	41.25	39.40	68.20	16.89	H
5149.780	54.02	-27.28	34.00	47.30	74.00	19.98	H
5025.920	52.81	-27.45	33.70	46.56	74.00	21.19	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)
17904.300	56.55	-26.18	45.95	36.78	74.00	17.45	V
17933.450	56.39	-26.18	45.95	36.62	74.00	17.61	V
14607.600	51.43	-28.63	41.70	38.36	68.20	16.77	H
13635.750	51.16	-29.68	40.90	39.94	68.20	17.04	V
5393.056	53.21	-27.12	34.20	46.13	74.00	20.79	H
5387.040	53.18	-27.12	34.20	46.10	74.00	20.82	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)
17908.150	56.38	-26.18	45.95	36.61	74.00	17.62	V
17908.700	56.18	-26.18	45.95	36.41	74.00	17.82	V
13653.350	51.43	-29.68	40.90	40.21	68.20	16.77	V
13690.200	51.20	-29.51	41.00	39.71	68.20	17.00	V
5422.645	53.44	-27.13	34.30	46.27	74.00	20.56	H
5465.440	53.43	-27.10	34.20	46.33	68.20	14.77	H

802.11n-HT40

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)
17898.250	55.29	-26.18	45.95	35.52	74.00	18.71	H
17925.200	55.19	-26.18	45.95	35.42	74.00	18.81	V
13778.200	51.54	-29.37	41.20	39.71	68.20	16.66	V
14293.550	51.54	-28.96	41.80	38.70	68.20	16.66	H
5148.840	55.74	-27.28	34.00	49.02	74.00	18.26	H
5148.860	54.81	-27.28	34.00	48.09	74.00	19.19	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)
17931.800	55.87	-26.18	45.95	36.10	74.00	18.13	H
17929.050	55.40	-26.18	45.95	35.63	74.00	18.60	V
14113.700	51.27	-28.86	41.70	38.43	68.20	16.93	V
13667.650	51.25	-29.51	41.00	39.76	68.20	16.95	V
5371.248	53.87	-27.12	34.20	46.79	74.00	20.13	H
5361.248	53.62	-27.12	34.20	46.54	74.00	20.38	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)
17907.050	55.99	-26.18	45.95	36.22	74.00	18.01	H
17908.150	55.41	-26.18	45.95	35.64	74.00	18.59	H
13620.900	51.31	-29.68	40.90	40.09	68.20	16.89	H
14134.600	51.15	-28.86	41.70	38.31	68.20	17.05	H
5390.470	53.55	-27.12	34.20	46.47	74.00	20.45	H
5464.945	55.03	-27.10	34.20	47.93	68.20	13.17	H

802.11ac-HT20

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)
17910.350	55.89	-26.18	45.95	36.12	74.00	18.11	H
17803.650	55.40	-26.18	45.95	35.63	74.00	18.60	V
13746.300	52.26	-29.40	41.10	40.56	68.20	15.94	H
13716.050	51.48	-29.40	41.10	39.78	68.20	16.72	H
5149.380	52.34	-27.28	34.00	45.62	74.00	21.66	H
5015.360	52.02	-27.45	33.70	45.77	74.00	21.98	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)
17925.750	55.94	-26.18	45.95	36.17	74.00	18.06	V
17956.000	55.63	-26.18	45.95	35.86	74.00	18.37	H
13707.250	51.67	-29.51	41.00	40.18	68.20	16.53	H
14145.600	51.39	-28.86	41.70	38.55	68.20	16.81	H
5381.680	53.15	-27.12	34.20	46.07	74.00	20.85	H
5364.896	53.06	-27.12	34.20	45.98	74.00	20.94	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)
17925.200	55.99	-26.18	45.95	36.22	74.00	18.01	H
17910.350	55.17	-26.18	45.95	35.40	74.00	18.83	H
14104.350	51.87	-28.90	41.70	39.07	68.20	16.33	H
13794.150	51.48	-29.37	41.20	39.65	68.20	16.72	H
5447.545	52.82	-27.10	34.20	45.72	74.00	21.18	H
5467.615	52.62	-27.10	34.20	45.52	68.20	15.58	H

802.11ac-HT40

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)
17935.650	55.91	-26.18	45.95	36.14	74.00	18.09	V
17924.650	55.87	-26.18	45.95	36.10	74.00	18.13	H
14535.000	51.35	-28.77	41.90	38.22	68.20	16.85	V
13646.200	51.28	-29.68	40.90	40.06	68.20	16.92	H
5149.280	55.13	-27.28	34.00	48.41	74.00	18.87	H
5149.360	54.79	-27.28	34.00	48.07	74.00	19.21	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)
17913.100	55.93	-26.18	45.95	36.16	74.00	18.07	H
17941.150	55.88	-26.18	45.95	36.11	74.00	18.12	H
14154.950	51.92	-28.86	41.70	39.08	68.20	16.28	V
13845.300	51.64	-29.34	41.25	39.73	68.20	16.56	H
5374.576	53.05	-27.12	34.20	45.97	74.00	20.95	H
5350.752	52.89	-27.12	34.20	45.81	74.00	21.11	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)
17937.850	56.15	-26.18	45.95	36.38	74.00	17.85	H
17945.550	56.12	-26.18	45.95	36.35	74.00	17.88	V
14121.950	52.58	-28.86	41.70	39.74	68.20	15.62	H
13607.700	51.30	-29.86	40.80	40.36	68.20	16.90	H
5390.890	52.97	-27.12	34.20	45.89	74.00	21.03	H
5468.500	54.11	-27.10	34.20	47.01	68.20	14.09	H

802.11ac-HT80

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)
17925.750	55.96	-26.18	45.95	36.19	74.00	18.04	V
17918.050	55.36	-26.18	45.95	35.59	74.00	18.64	H
13822.750	51.29	-29.34	41.25	39.38	68.20	16.91	H
13675.350	51.12	-29.51	41.00	39.63	68.20	17.08	V
5115.660	55.12	-27.29	34.00	48.41	74.00	18.88	H
5138.800	54.42	-27.29	34.00	47.71	74.00	19.58	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)
17934.000	56.07	-26.18	45.95	36.30	74.00	17.93	H
17937.300	55.59	-26.18	45.95	35.82	74.00	18.41	V
14126.900	51.55	-28.86	41.70	38.71	68.20	16.65	V
13825.500	51.15	-29.34	41.25	39.24	68.20	17.05	H
5363.888	55.31	-27.12	34.20	48.23	74.00	18.69	H
5350.144	54.38	-27.12	34.20	47.30	74.00	19.62	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)
17893.850	55.93	-26.18	45.95	36.16	74.00	18.07	H
17910.350	55.79	-26.18	45.95	36.02	74.00	18.21	H
14143.400	51.84	-28.86	41.70	39.00	68.20	16.36	V
14058.150	51.80	-28.94	41.60	39.14	68.20	16.40	H
5457.655	57.52	-27.10	34.20	50.42	74.00	16.48	H
5462.410	56.87	-27.10	34.20	49.77	68.20	11.33	H

802.11ax-HT20

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)
17926.300	55.63	-26.18	45.95	35.86	74.00	18.37	V
17941.700	55.56	-26.18	45.95	35.79	74.00	18.44	H
13668.200	51.32	-29.51	41.00	39.83	68.20	16.88	V
13710.000	51.28	-29.51	41.00	39.79	68.20	16.92	H
5146.780	53.79	-27.29	34.00	47.08	74.00	20.21	H
5147.000	53.22	-27.29	34.00	46.51	74.00	20.78	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)
17929.600	55.78	-26.18	45.95	36.01	74.00	18.22	H
17934.550	55.38	-26.18	45.95	35.61	74.00	18.62	H
13740.800	51.50	-29.40	41.10	39.80	68.20	16.70	V
13946.500	51.21	-29.13	41.40	38.94	68.20	16.99	V
5355.456	53.57	-27.12	34.20	46.49	74.00	20.43	H
5369.920	53.47	-27.12	34.20	46.39	74.00	20.53	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)
17921.350	56.23	-26.18	45.95	36.46	74.00	17.77	H
17897.150	56.17	-26.18	45.95	36.40	74.00	17.83	H
14025.150	51.85	-28.94	41.60	39.19	68.20	16.35	V
13787.550	51.08	-29.37	41.20	39.25	68.20	17.12	H
5434.240	53.49	-27.13	34.30	46.32	74.00	20.51	V
5465.965	52.86	-27.10	34.20	45.76	68.20	15.34	H

802.11ax-HT40

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)
17930.700	55.83	-26.18	45.95	36.06	74.00	18.17	V
17904.300	55.76	-26.18	45.95	35.99	74.00	18.24	V
13737.500	51.67	-29.40	41.10	39.97	68.20	16.53	H
14157.700	51.58	-28.86	41.70	38.74	68.20	16.62	H
5149.400	57.43	-27.28	34.00	50.71	74.00	16.57	H
5149.420	53.97	-27.28	34.00	47.25	74.00	20.03	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)
17916.950	55.96	-26.18	45.95	36.19	74.00	18.04	V
17926.300	55.67	-26.18	45.95	35.90	74.00	18.33	V
14099.950	51.80	-28.90	41.70	39.00	68.20	16.40	V
13728.150	51.64	-29.40	41.10	39.94	68.20	16.56	H
5351.200	54.00	-27.12	34.20	46.92	74.00	20.00	H
5357.488	53.11	-27.12	34.20	46.03	74.00	20.89	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)
17909.250	55.67	-26.18	45.95	35.90	74.00	18.33	V
17910.900	55.42	-26.18	45.95	35.65	74.00	18.58	V
13799.650	51.22	-29.37	41.20	39.39	68.20	16.98	V
14021.850	51.21	-28.94	41.60	38.55	68.20	16.99	H
5377.750	52.74	-27.12	34.20	45.66	74.00	21.26	H
5468.995	55.87	-27.10	34.20	48.77	68.20	12.33	H

802.11ax-HT80

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)
17907.600	55.91	-26.18	45.95	36.14	74.00	18.09	V
17872.400	55.24	-26.18	45.95	35.47	74.00	18.76	H
13730.350	52.09	-29.40	41.10	40.39	68.20	16.11	H
13762.800	51.56	-29.37	41.20	39.73	68.20	16.64	H
5119.080	52.84	-27.29	34.00	46.13	74.00	21.16	H
5127.200	52.55	-27.29	34.00	45.84	74.00	21.45	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)
17917.500	55.75	-26.18	45.95	35.98	74.00	18.25	H
17893.300	55.47	-26.18	45.95	35.70	74.00	18.53	H
13712.750	51.55	-29.51	41.00	40.06	68.20	16.65	V
13697.900	51.29	-29.51	41.00	39.80	68.20	16.91	H
5353.392	56.73	-27.12	34.20	49.65	74.00	17.27	H
5355.952	56.67	-27.12	34.20	49.59	74.00	17.33	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)
17958.200	55.43	-26.18	45.95	35.66	74.00	18.57	H
17915.300	55.16	-26.18	45.95	35.39	74.00	18.84	H
13589.000	51.03	-29.86	40.80	40.09	68.20	17.17	V
14097.750	51.03	-28.90	41.70	38.23	68.20	17.17	V
5445.685	56.56	-27.10	34.20	49.46	74.00	17.44	H
5462.185	56.73	-27.10	34.20	49.63	68.20	11.47	H

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)
17909.250	55.90	-26.18	45.95	36.13	74.00	18.10	V
17902.650	55.55	-26.18	45.95	35.78	74.00	18.45	H
14249.000	51.62	-28.94	41.75	38.81	68.20	16.58	H
13703.950	51.44	-29.51	41.00	39.95	68.20	16.76	V
5121.680	53.97	-27.29	34.00	47.26	74.00	20.03	H
5127.220	53.81	-27.29	34.00	47.10	74.00	20.19	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)
17928.500	55.88	-26.18	45.95	36.11	74.00	18.12	H
17942.250	55.29	-26.18	45.95	35.52	74.00	18.71	V
14175.850	51.48	-28.90	41.70	38.68	68.20	16.72	V
14102.150	51.30	-28.90	41.70	38.50	68.20	16.90	V
5421.610	54.38	-27.13	34.30	47.21	74.00	19.62	H
5466.835	54.21	-27.10	34.20	47.11	68.20	13.99	H

802.11be-HT20

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)
17903.200	55.62	-26.18	45.95	35.85	74.00	18.38	H
17919.150	55.44	-26.18	45.95	35.67	74.00	18.56	V
14121.950	51.34	-28.86	41.70	38.50	68.20	16.86	H
13707.800	51.27	-29.51	41.00	39.78	68.20	16.93	V
5107.080	52.46	-27.29	34.00	45.75	74.00	21.54	V
5030.100	51.65	-27.45	33.70	45.40	74.00	22.35	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)
17940.600	55.58	-26.18	45.95	35.81	74.00	18.42	H
17934.550	55.33	-26.18	45.95	35.56	74.00	18.67	V
13641.250	51.69	-29.68	40.90	40.47	68.20	16.51	V
14157.700	51.67	-28.86	41.70	38.83	68.20	16.53	V
5440.528	52.90	-27.13	34.30	45.73	74.00	21.10	H
5435.744	52.32	-27.13	34.30	45.15	74.00	21.68	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)
17930.700	55.88	-26.18	45.95	36.11	74.00	18.12	V
17930.150	55.45	-26.18	45.95	35.68	74.00	18.55	V
14104.900	52.08	-28.90	41.70	39.28	68.20	16.12	H
13684.700	51.19	-29.51	41.00	39.70	68.20	17.01	V
5420.140	53.11	-27.13	34.30	45.94	74.00	20.89	V
5468.710	52.12	-27.10	34.20	45.02	68.20	16.08	H

802.11be-HT40

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)
17929.600	56.25	-26.18	45.95	36.48	74.00	17.75	V
17945.550	55.95	-26.18	45.95	36.18	74.00	18.05	H
14136.800	51.23	-28.86	41.70	38.39	68.20	16.97	H
14142.300	51.21	-28.86	41.70	38.37	68.20	16.99	V
5148.660	54.98	-27.28	34.00	48.26	74.00	19.02	H
5145.220	53.48	-27.29	34.00	46.77	74.00	20.52	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)
17930.150	55.60	-26.18	45.95	35.83	74.00	18.40	H
17932.350	55.59	-26.18	45.95	35.82	74.00	18.41	H
13762.250	51.78	-29.40	41.10	40.08	68.20	16.42	V
14078.500	51.39	-28.90	41.70	38.59	68.20	16.81	V
5398.160	53.02	-27.13	34.30	45.85	74.00	20.98	H
5354.752	52.87	-27.12	34.20	45.79	74.00	21.13	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)
17933.450	55.84	-26.18	45.95	36.07	74.00	18.16	V
17918.050	55.57	-26.18	45.95	35.80	74.00	18.43	H
13702.850	51.56	-29.51	41.00	40.07	68.20	16.64	H
13706.700	51.34	-29.51	41.00	39.85	68.20	16.86	H
5361.655	52.73	-27.12	34.20	45.65	74.00	21.27	H
5467.750	53.46	-27.10	34.20	46.36	68.20	14.74	H

802.11be-HT80

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)
17948.850	55.77	-26.18	45.95	36.00	74.00	18.23	H
17927.950	55.45	-26.18	45.95	35.68	74.00	18.55	H
14199.500	51.65	-28.90	41.70	38.85	68.20	16.55	V
13725.400	51.24	-29.40	41.10	39.54	68.20	16.96	V
5115.260	53.73	-27.29	34.00	47.02	74.00	20.27	H
5137.960	53.69	-27.29	34.00	46.98	74.00	20.31	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)
17908.700	55.71	-26.18	45.95	35.94	74.00	18.29	H
17951.600	55.41	-26.18	45.95	35.64	74.00	18.59	V
14136.250	51.38	-28.86	41.70	38.54	68.20	16.82	V
13741.350	51.26	-29.40	41.10	39.56	68.20	16.94	H
5356.240	52.98	-27.12	34.20	45.90	74.00	21.02	H
5374.560	52.86	-27.12	34.20	45.78	74.00	21.14	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)
17875.150	55.40	-26.18	45.95	35.63	74.00	18.60	V
17933.450	55.40	-26.18	45.95	35.63	74.00	18.60	H
14122.500	51.56	-28.86	41.70	38.72	68.20	16.64	V
14130.200	51.23	-28.86	41.70	38.39	68.20	16.97	V
5454.865	53.77	-27.10	34.20	46.67	74.00	20.23	H
5469.760	53.15	-27.10	34.20	46.05	68.20	15.05	H

802.11be-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)
17912.550	55.80	-26.18	45.95	36.03	74.00	18.20	H
17930.150	55.74	-26.18	45.95	35.97	74.00	18.26	H
14141.750	51.48	-28.86	41.70	38.64	68.20	16.72	V
14152.750	51.28	-28.86	41.70	38.44	68.20	16.92	V
5142.440	54.74	-27.29	34.00	48.03	74.00	19.26	H
5122.600	54.10	-27.29	34.00	47.39	74.00	19.90	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)
17916.950	56.04	-26.18	45.95	36.27	74.00	17.96	H
17899.350	55.57	-26.18	45.95	35.80	74.00	18.43	V
14105.450	51.38	-28.90	41.70	38.58	68.20	16.82	V
13736.950	51.36	-29.40	41.10	39.66	68.20	16.84	H
5442.970	54.14	-27.13	34.30	46.97	74.00	19.86	H
5462.830	54.27	-27.10	34.20	47.17	68.20	13.93	H

Conclusion: PASS

Band edge compliance

Full RU

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
802.11ac HT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ac HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
	5610MHz	Fig.24	P
802.11ax HT20	5180 MHz	Fig.25	P
	5320 MHz	Fig.26	P
	5500 MHz	Fig.27	P
	5700 MHz	Fig.28	P
802.11ax HT40	5190 MHz	Fig.29	P
	5310 MHz	Fig.30	P
	5510 MHz	Fig.31	P
	5670 MHz	Fig.32	P
802.11ax HT80	5210 MHz	Fig.33	P
	5290 MHz	Fig.34	P
	5530 MHz	Fig.35	P
	5610 MHz	Fig.36	P
802.11ax HT160	5250 MHz	Fig.37	P
	5570 MHz	Fig.38	P
802.11be HT20	5180 MHz	Fig.39	P
	5320 MHz	Fig.40	P
	5500 MHz	Fig.41	P
	5700 MHz	Fig.42	P
802.11be HT40	5190 MHz	Fig.43	P
	5310 MHz	Fig.44	P

	5510 MHz	Fig.45	P
	5670 MHz	Fig.46	P
802.11be HT80	5210 MHz	Fig.47	P
	5290 MHz	Fig.48	P
	5530 MHz	Fig.49	P
	5610 MHz	Fig.50	P
802.11be HT160	5250 MHz	Fig.51	P
	5570 MHz	Fig.52	P

Partial RU

Mode	Channel	RU	Test Results	Conclusion
802.11ax HT20	5180 MHz	26RU index 0	Fig.53	P
	5320 MHz	26RU index 8	Fig.54	P
	5500 MHz	26RU index 0	Fig.55	P
	5700 MHz	26RU index 8	Fig.56	P
802.11ax HT40	5190 MHz	26RU index 0	Fig.57	P
	5310 MHz	26RU index 17	Fig.58	P
	5510 MHz	26RU index 0	Fig.59	P
	5670 MHz	26RU index 17	Fig.60	P
802.11ax HT80	5210 MHz	26RU index 0	Fig.61	P
	5290 MHz	26RU index 36	Fig.62	P
	5530 MHz	26RU index 0	Fig.63	P
	5610 MHz	26RU index 36	Fig.64	P
802.11ax HT160	5250 MHz	26RU index 0	Fig.65	P
	5570 MHz	26RU index 72	Fig.66	P
802.11be HT20	5180 MHz	26RU index 0	Fig.67	P
	5320 MHz	26RU index 8	Fig.68	P
	5500 MHz	26RU index 0	Fig.69	P
	5700 MHz	26RU index 8	Fig.70	P
802.11be HT40	5190 MHz	26RU index 0	Fig.71	P
	5310 MHz	26RU index 17	Fig.72	P
	5510 MHz	26RU index 0	Fig.73	P
	5670 MHz	26RU index 17	Fig.74	P
802.11be HT80	5210 MHz	26RU index 0	Fig.75	P
	5290 MHz	26RU index 36	Fig.76	P
	5530 MHz	26RU index 0	Fig.77	P
	5610 MHz	26RU index 36	Fig.78	P
802.11be HT160	5250 MHz	26RU index 0	Fig.79	P
	5570 MHz	26RU index 72	Fig.80	P

Conclusion: PASS

Test graphs as below:

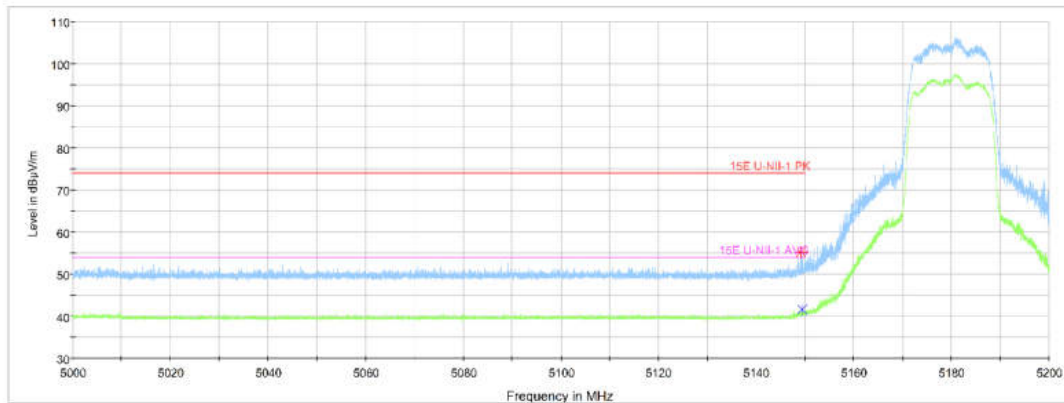


Fig. 1 Band Edges (802.11a, Ch36, 5180MHz, MIMO Chain0+1)

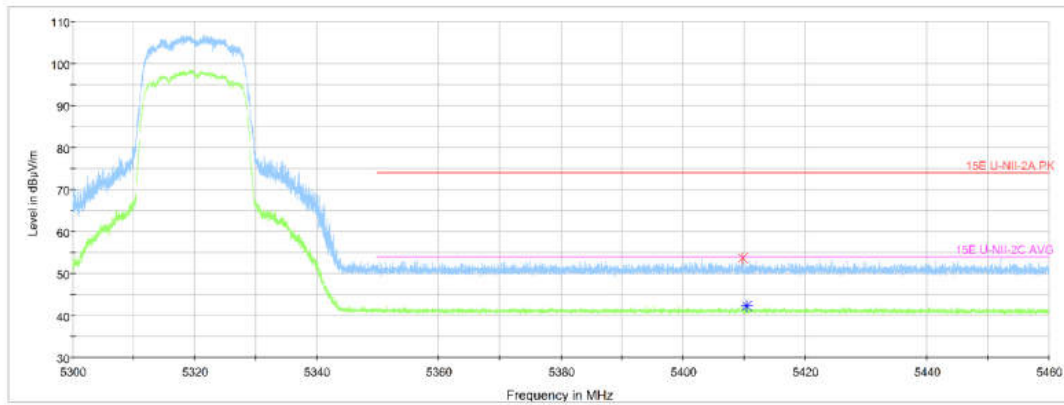


Fig. 2 Band Edges (802.11a, Ch64, 5320MHz, MIMO Chain0+1)

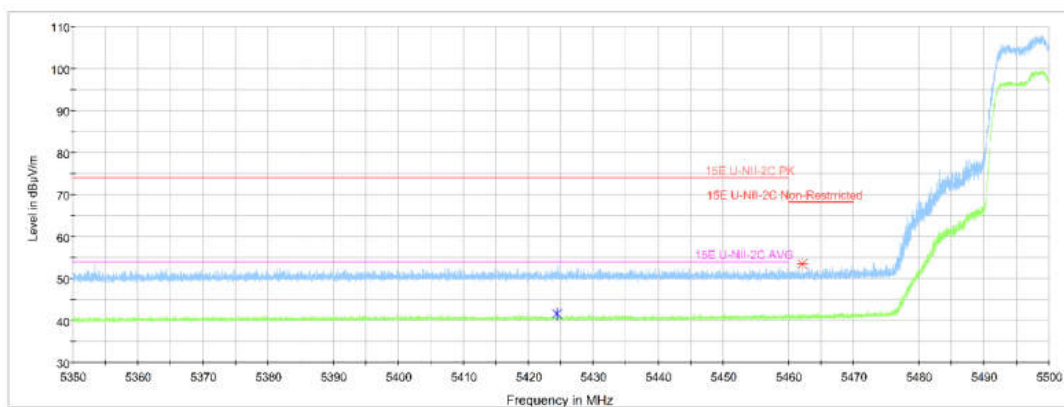


Fig. 3 Band Edges (802.11a, Ch100, 5500MHz, MIMO Chain0+1)

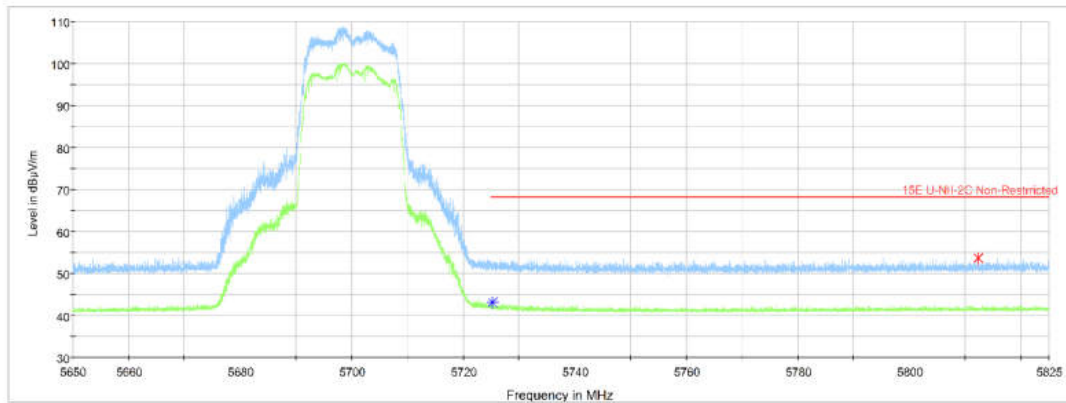


Fig. 4 Band Edges (802.11a, Ch140, 5700MHz, MIMO Chain0+1)

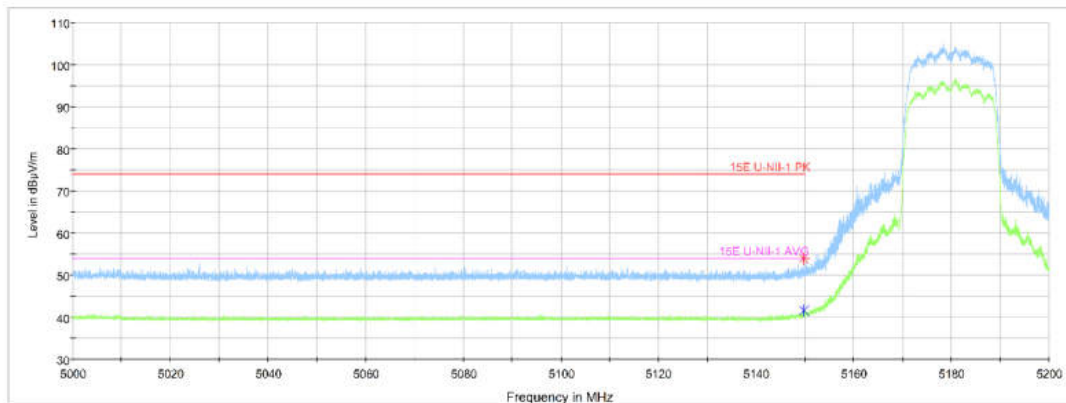


Fig. 5 Band Edges (802.11n-HT20, Ch36, 5180MHz, MIMO Chain0+1)

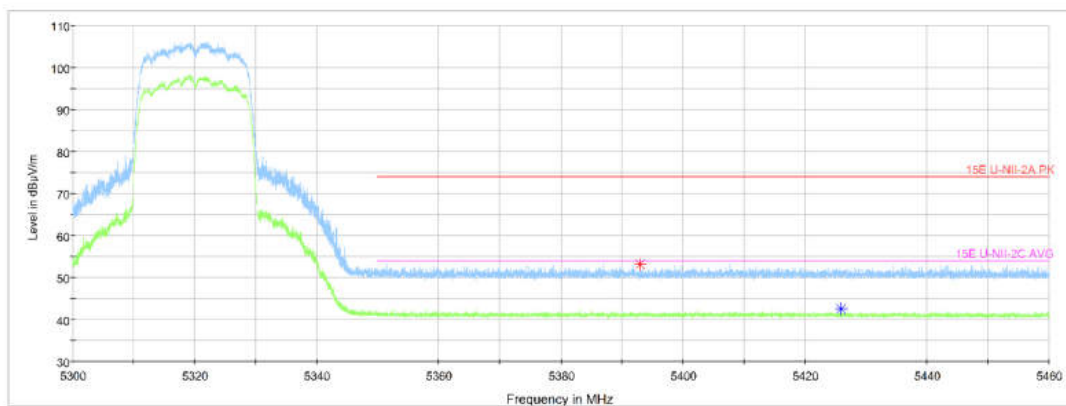


Fig. 6 Band Edges (802.11n-HT20, Ch64, 5320MHz, MIMO Chain0+1)

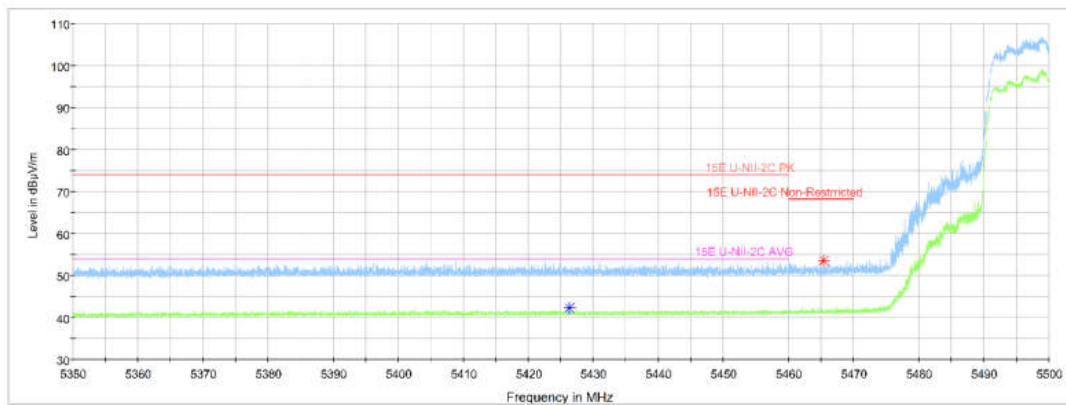


Fig. 7 Band Edges (802.11n-HT20 , Ch100, 5500MHz, MIMO Chain0+1)

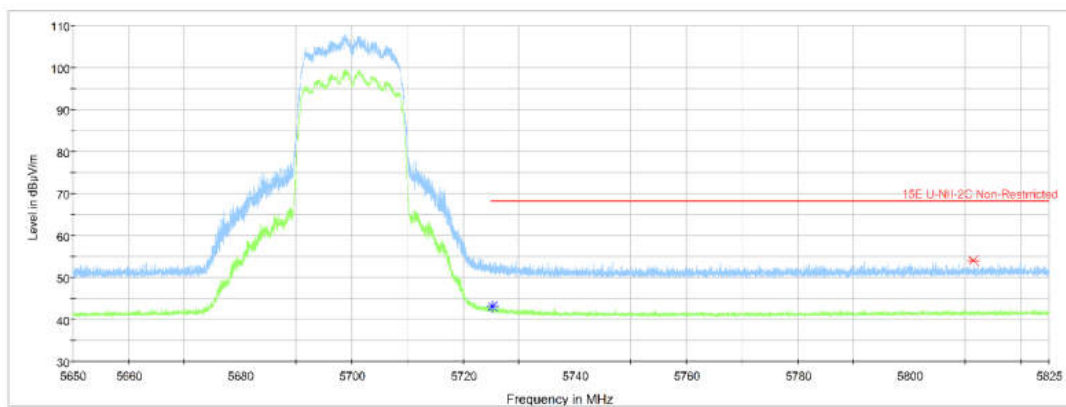


Fig. 8 Band Edges (802.11n-HT20 , Ch140, 5700MHz, MIMO Chain0+1)

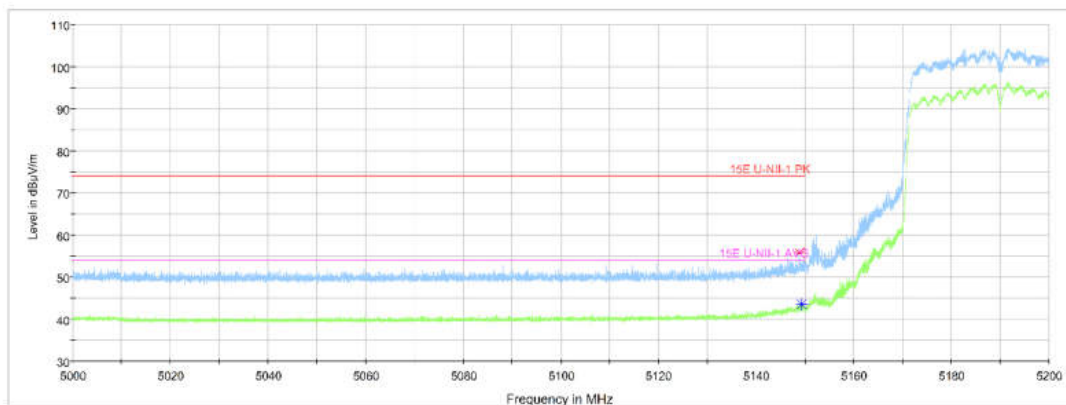


Fig. 9 Band Edges (802.11n-HT40 , Ch38, 5190MHz, MIMO Chain0+1)

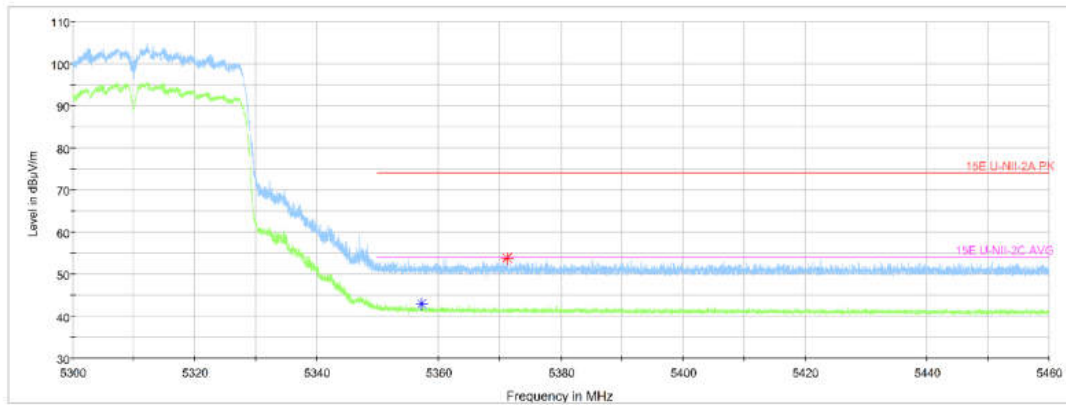


Fig. 10 Band Edges (802.11n-HT40 , Ch62, 5310MHz, MIMO Chain0+1)

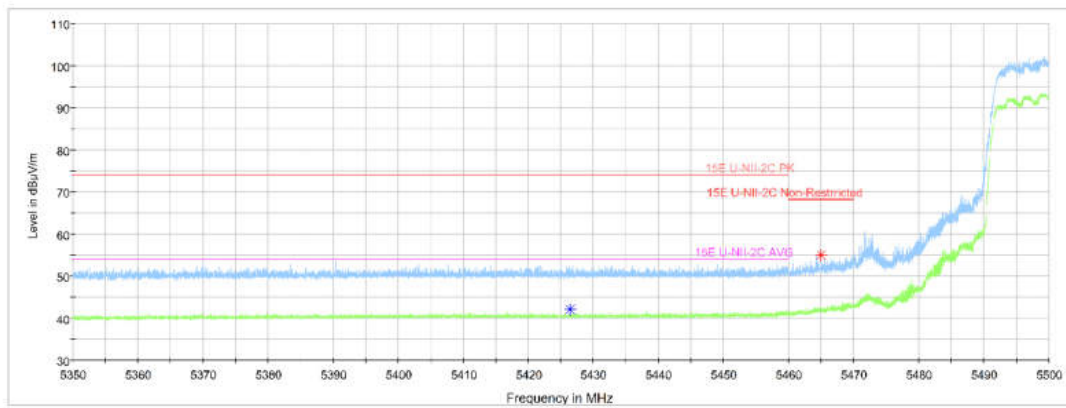


Fig. 11 Band Edges (802.11n-HT40 , Ch102, 5510MHz, MIMO Chain0+1)

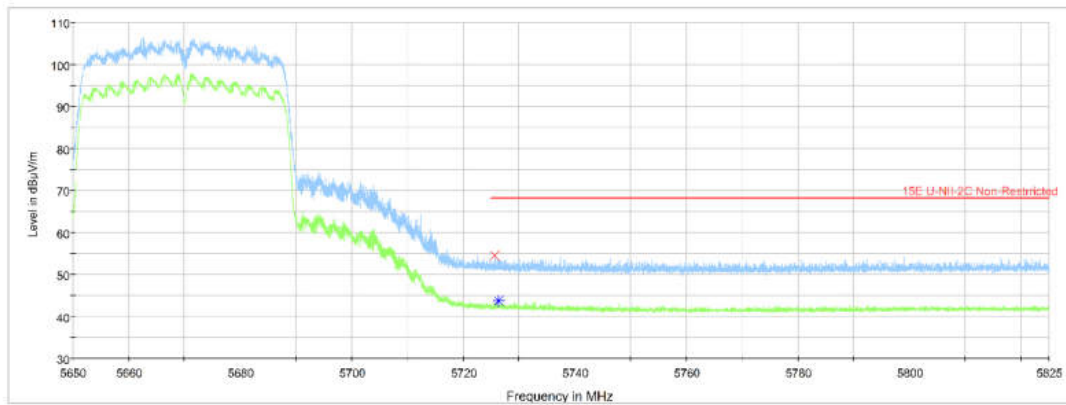


Fig. 12 Band Edges (802.11n-HT40 , Ch134, 5670MHz, MIMO Chain0+1)

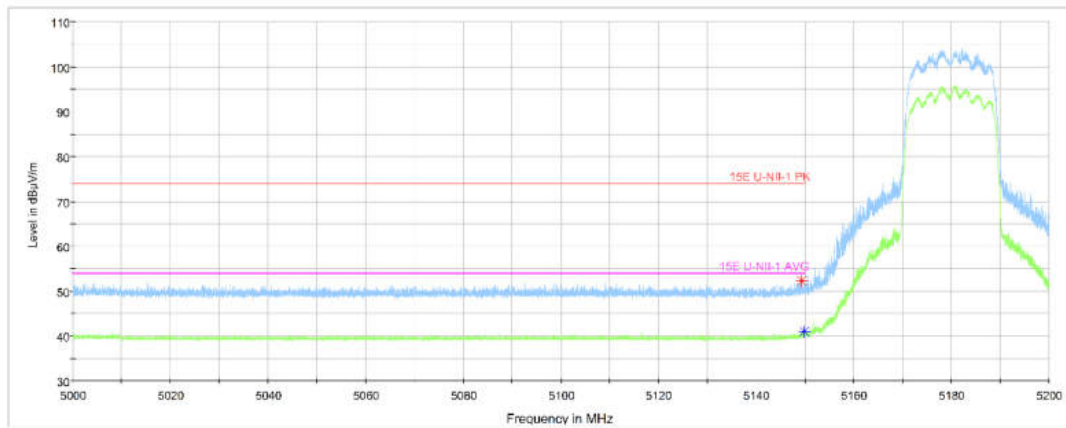


Fig. 13 Band Edges (802.11ac-HT20 , Ch36, 5180MHz, MIMO Chain0+1)

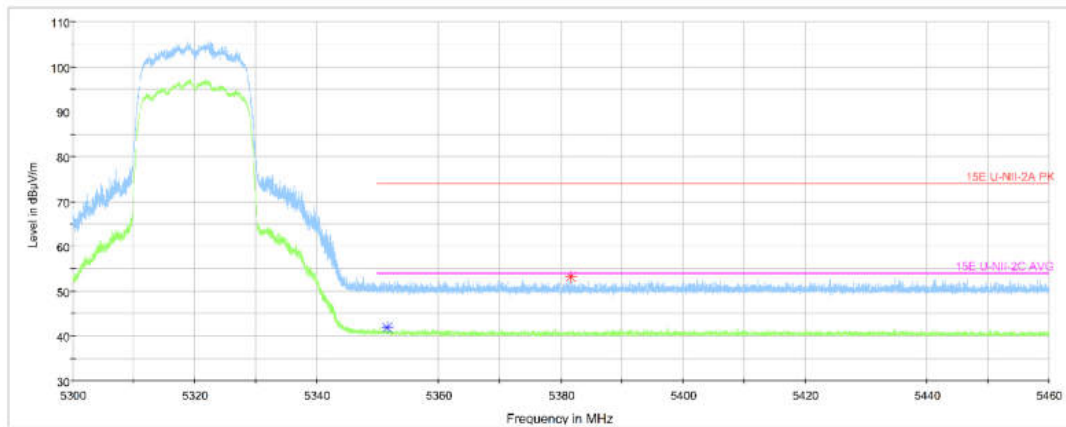


Fig. 14 Band Edges (802.11ac-HT20 , Ch64, 5320MHz, MIMO Chain0+1)

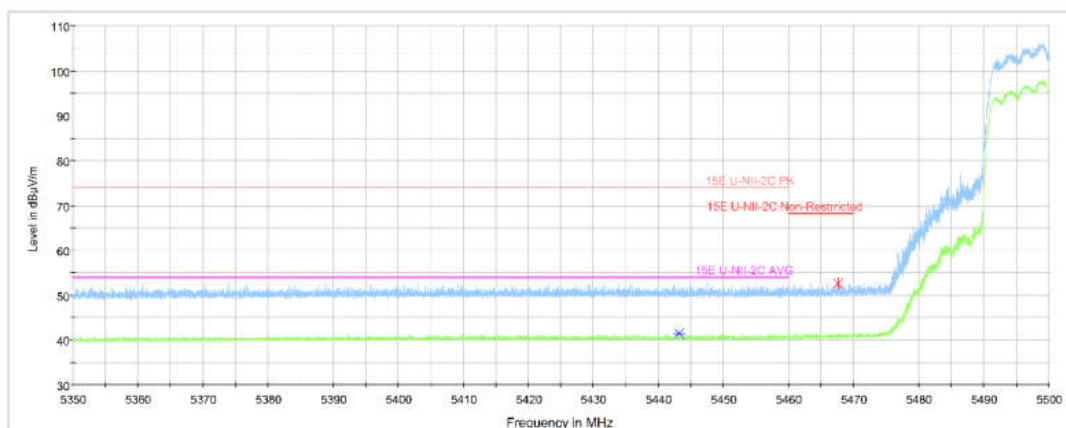


Fig. 15 Band Edges (802.11ac-HT20 , Ch100, 5500MHz, MIMO Chain0+1)

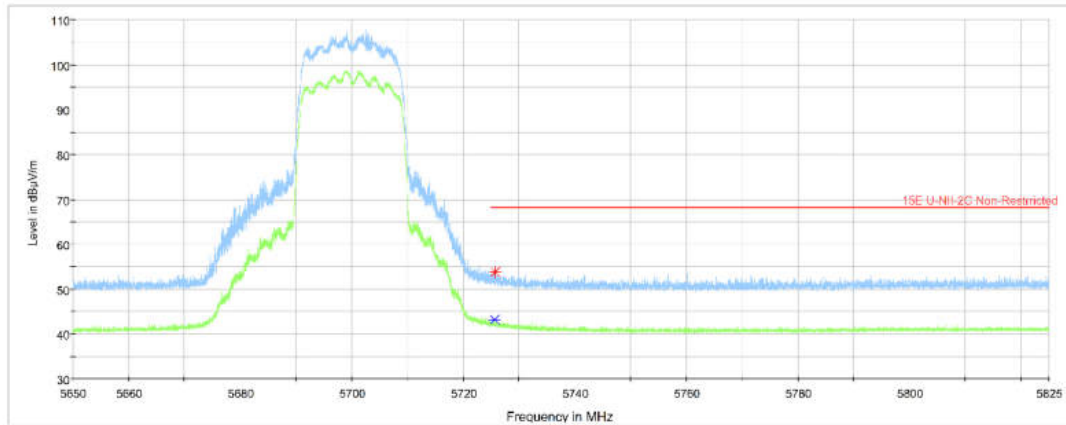


Fig. 16 Band Edges (802.11ac-HT20 , Ch140, 5700MHz, MIMO Chain0+1)

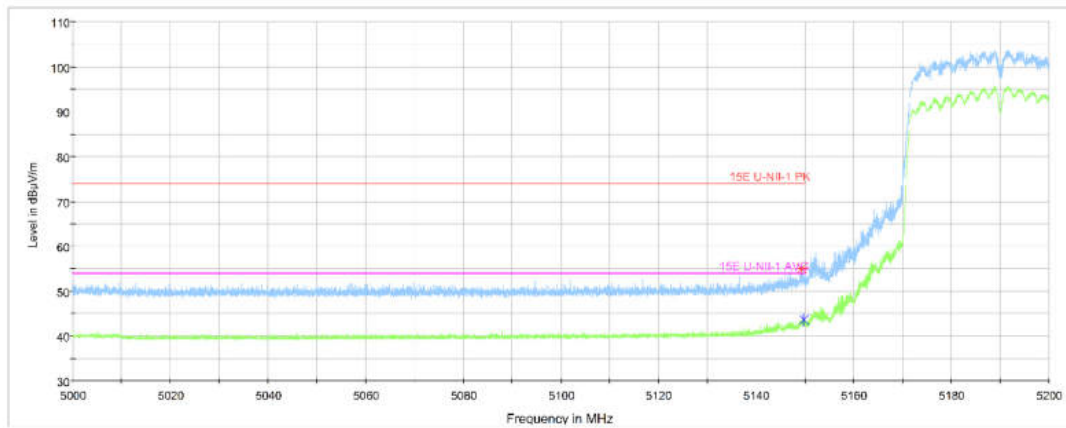


Fig. 17 Band Edges (802.11ac-HT40 , Ch38, 5190MHz, MIMO Chain0+1)

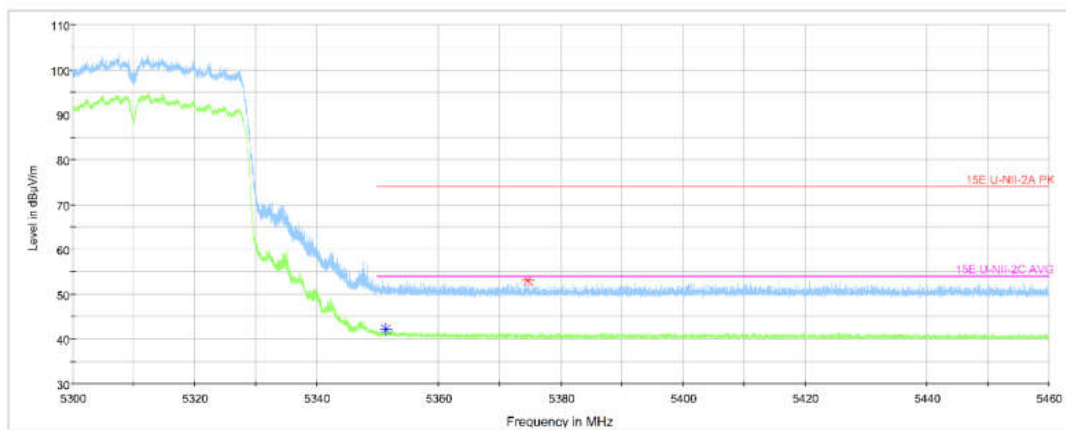


Fig. 18 Band Edges (802.11ac-HT40 , Ch62, 5310MHz, MIMO Chain0+1)

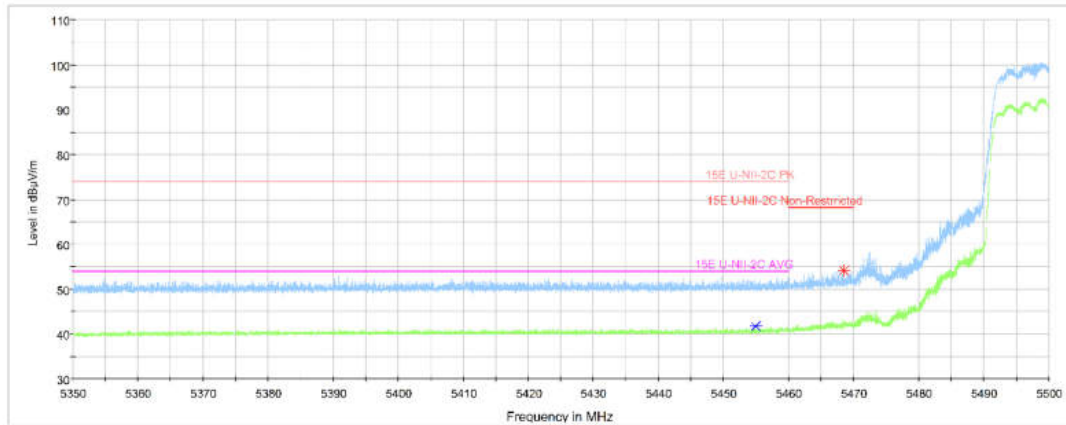


Fig. 19 Band Edges (802.11ac-HT40 , Ch102, 5510MHz, MIMO Chain0+1)

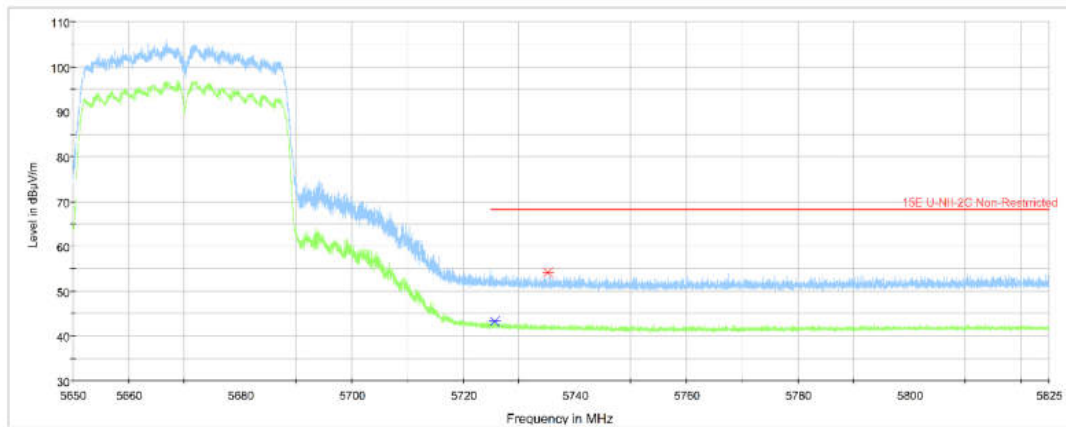


Fig. 20 Band Edges (802.11ac-HT40 , Ch134, 5670MHz, MIMO Chain0+1)

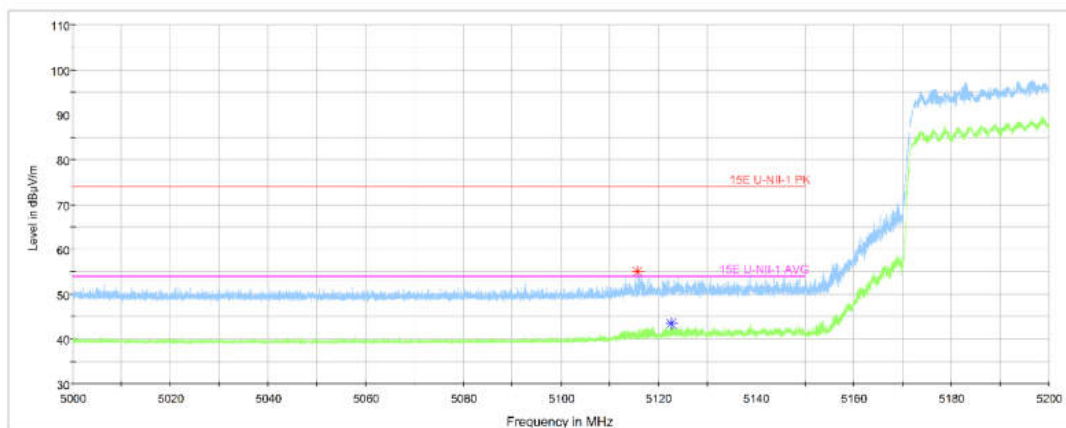


Fig. 21 Band Edges (802.11ac-HT80 , Ch42 , 5210MHz, MIMO Chain0+1)

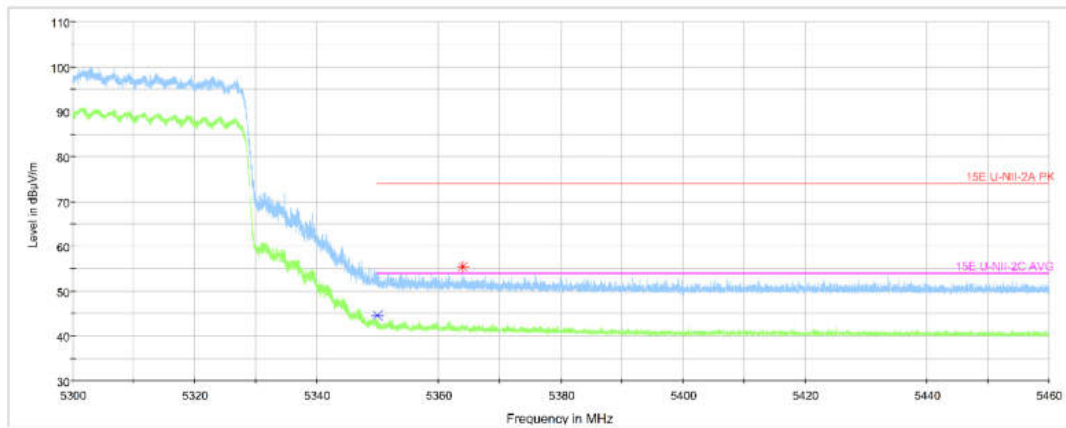


Fig. 22 Band Edges (802.11ac-HT80 , Ch58, 5290MHz, MIMO Chain0+1)

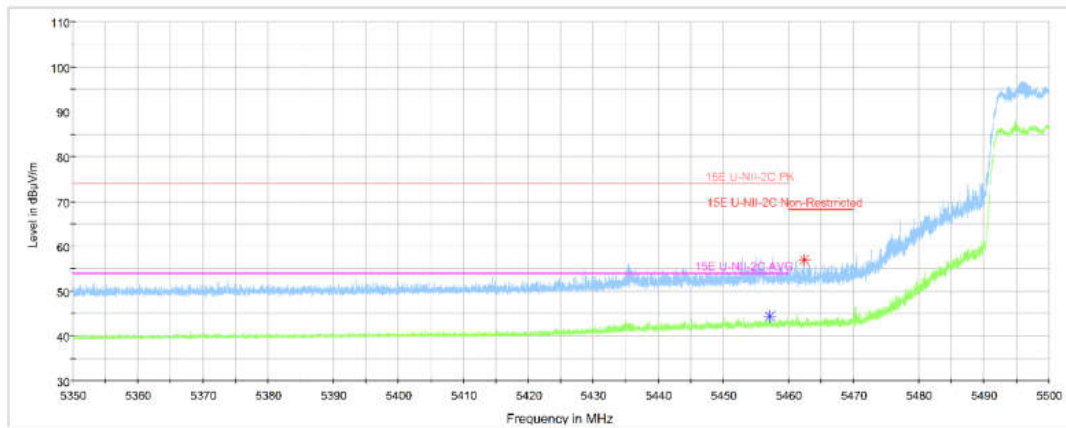


Fig. 23 Band Edges (802.11ac-HT80 , Ch106, 5530MHz, MIMO Chain0+1)

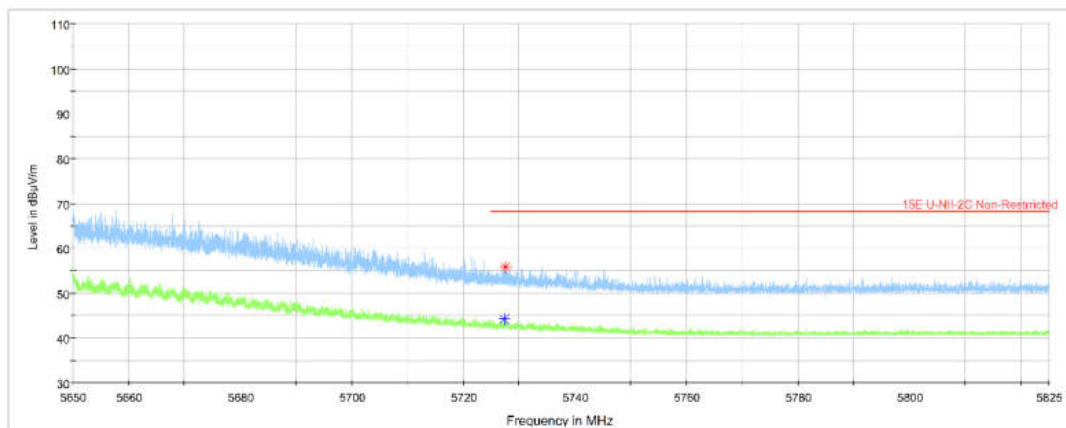


Fig. 24 Band Edges (802.11ac-HT80 , Ch122, 5610MHz, MIMO Chain0+1)

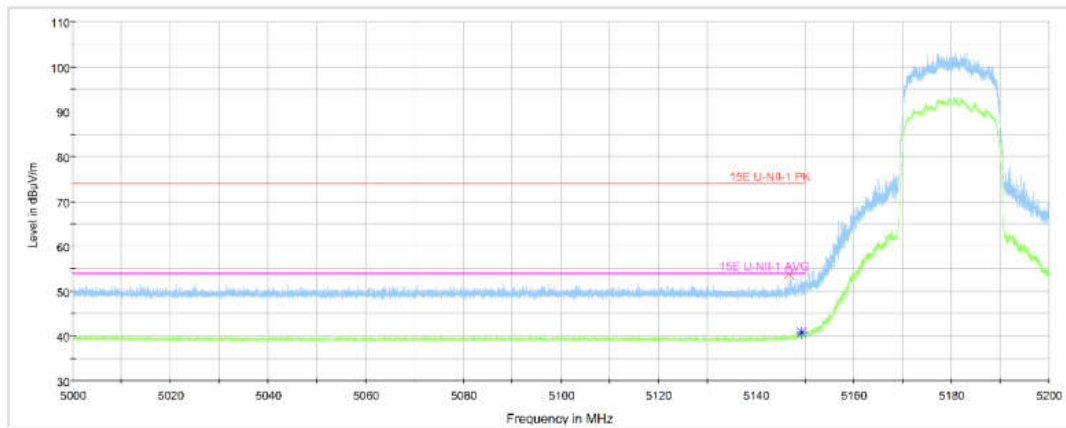


Fig. 25 Band Edges (802.11ax-HT20 , full RU, Ch36, 5180MHz, MIMO Chain0+1)

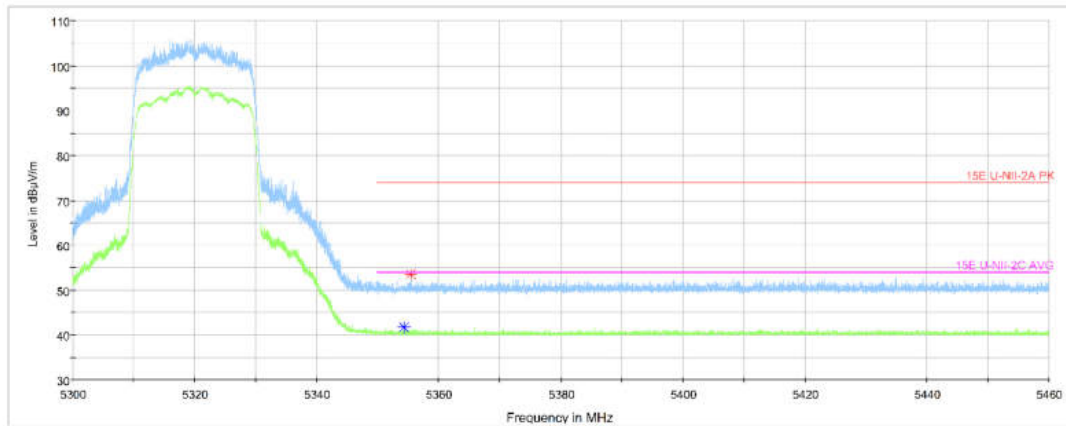


Fig. 26 Band Edges (802.11ax-HT20 , full RU, Ch64, 5320MHz, MIMO Chain0+1)

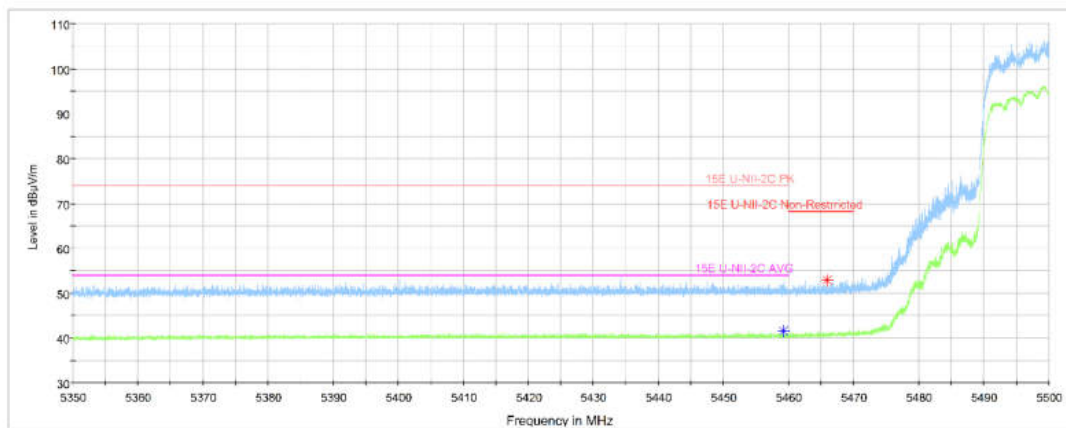


Fig. 27 Band Edges (802.11ax-HT20 , full RU, Ch100, 5500MHz, MIMO Chain0+1)

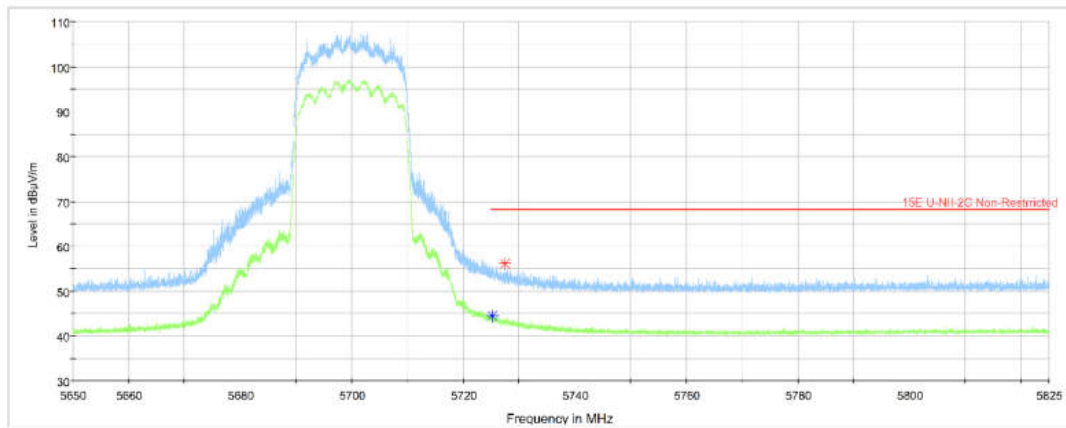


Fig. 28 Band Edges (802.11ax-HT20 , full RU, Ch140, 5700MHz, MIMO Chain0+1)

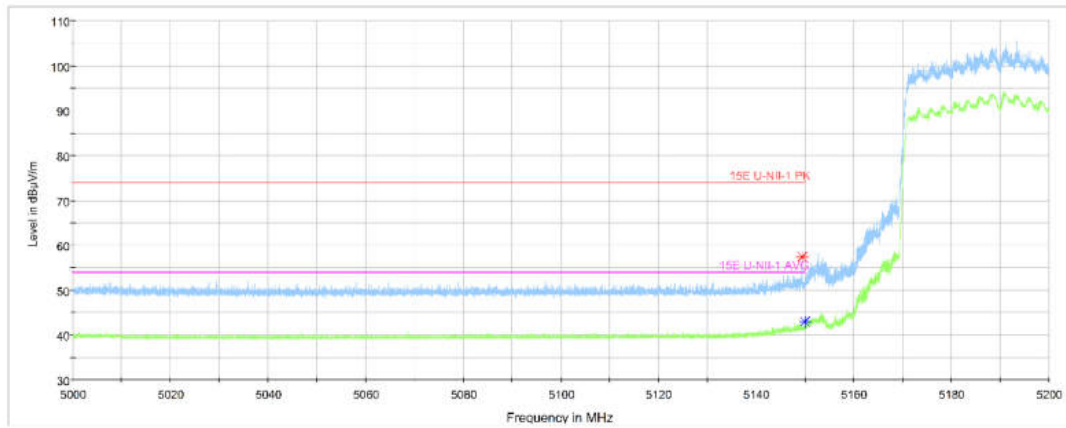


Fig. 29 Band Edges (802.11ax-HT40 , full RU, Ch38, 5190MHz, MIMO Chain0+1)

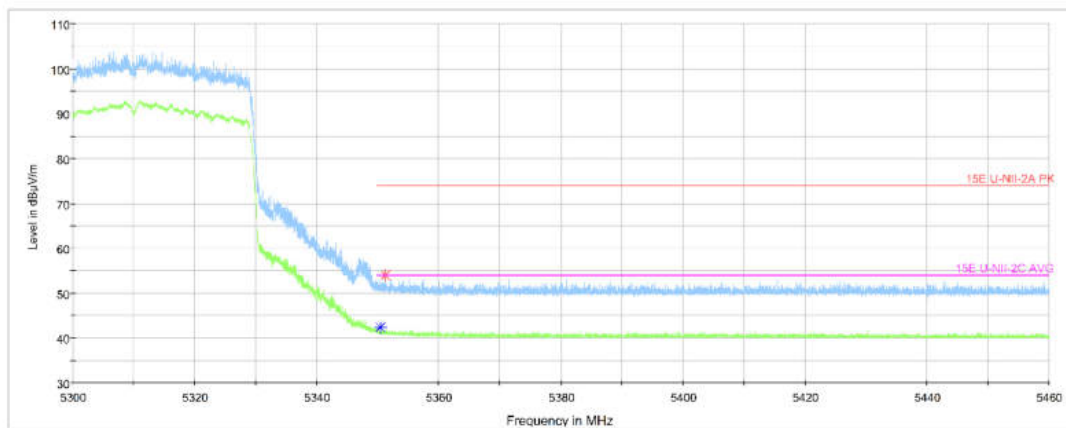


Fig. 30 Band Edges (802.11ax-HT40 , full RU, Ch62, 5310MHz, MIMO Chain0+1)

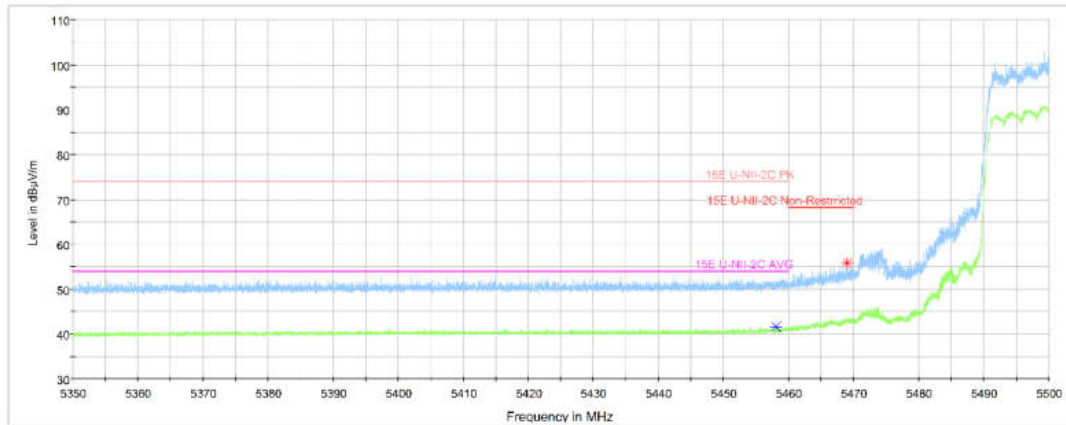


Fig. 31 Band Edges (802.11ax-HT40 , full RU, Ch102, 5510MHz, MIMO Chain0+1)

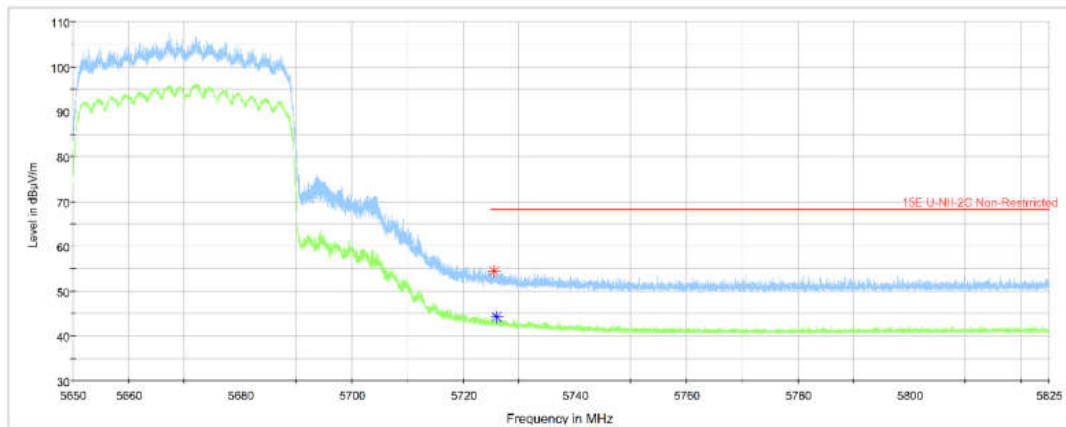


Fig. 32 Band Edges (802.11ax-HT40 , full RU, Ch134, 5670MHz, MIMO Chain0+1)

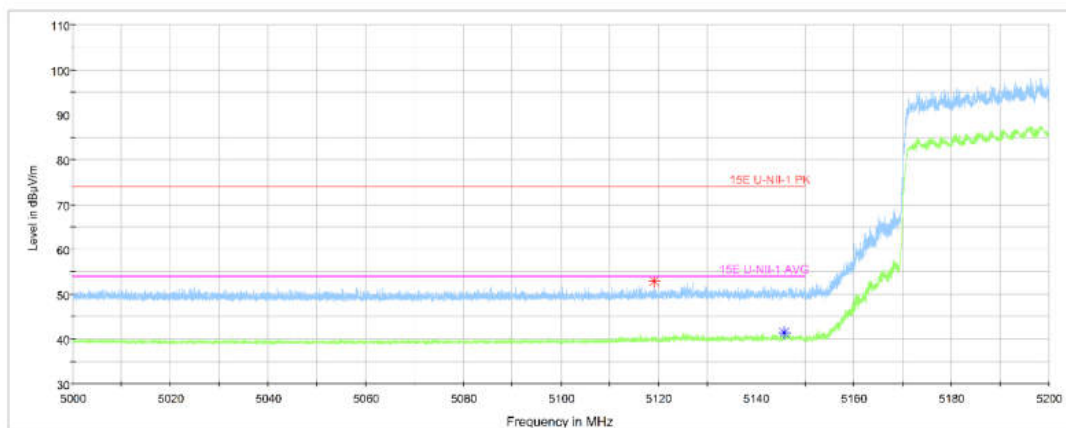


Fig. 33 Band Edges (802.11ax-HT80 , full RU, Ch42 , 5210MHz, MIMO Chain0+1)

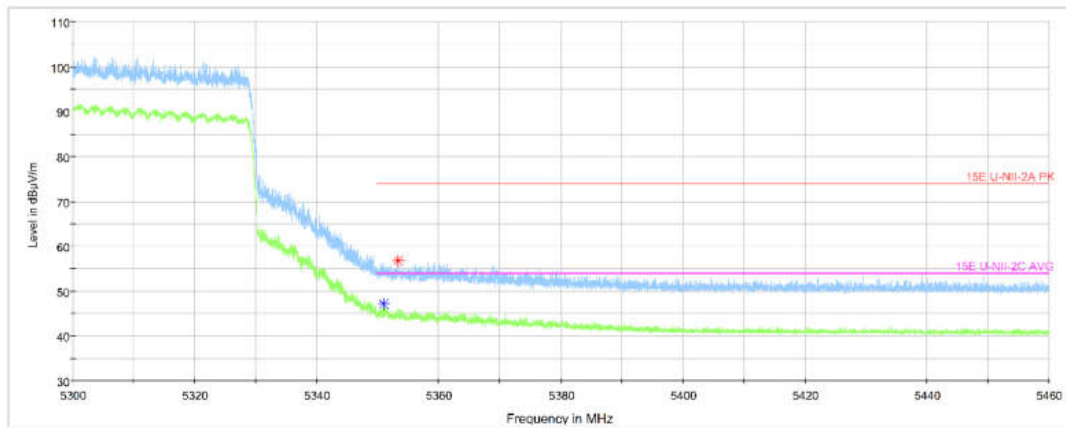


Fig. 34 Band Edges (802.11ax-HT80 , full RU, Ch58, 5290MHz, MIMO Chain0+1)

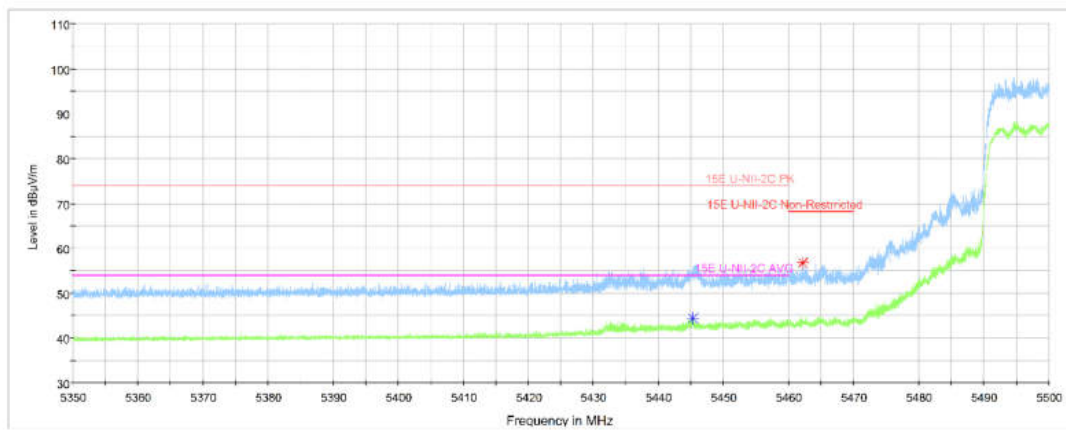


Fig. 35 Band Edges (802.11ax-HT80 , full RU, Ch106, 5530MHz, MIMO Chain0+1)

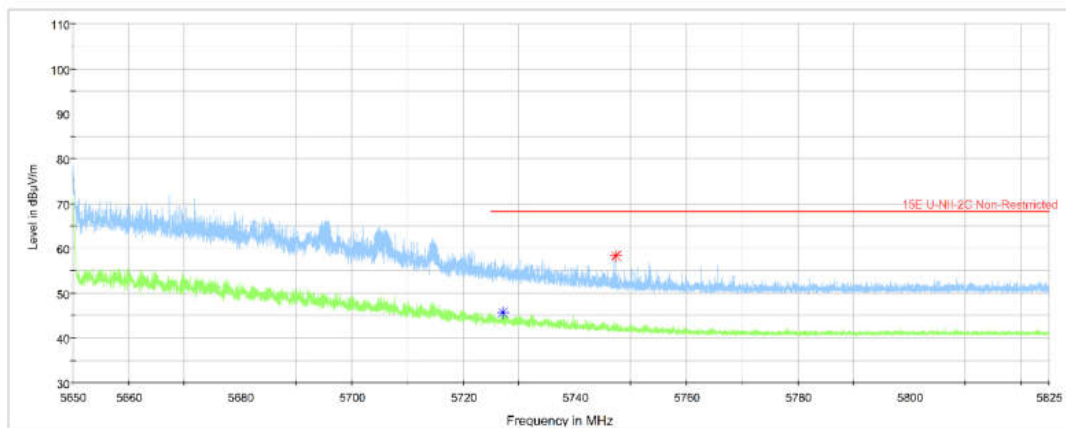


Fig. 36 Band Edges (802.11ax-HT80 , full RU, Ch122, 5610MHz, MIMO Chain0+1)

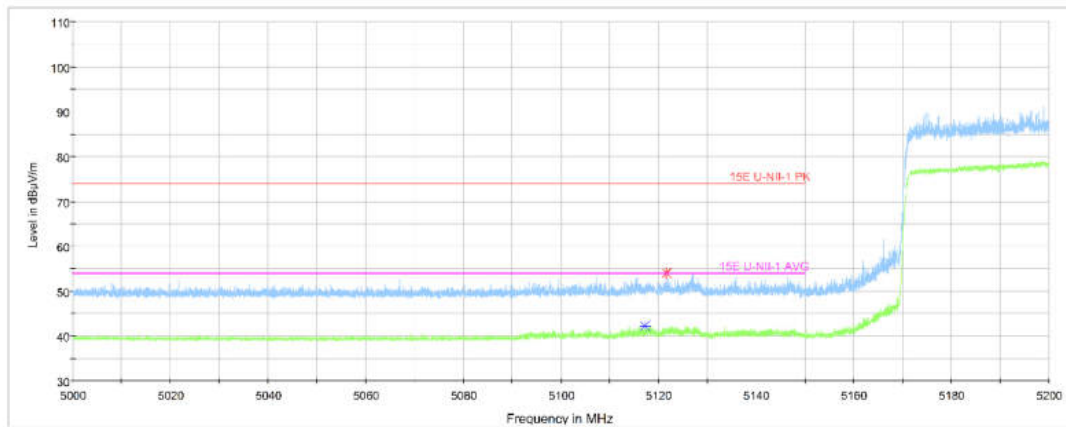


Fig. 37 Band Edges (802.11ax-HT160 , full RU, Ch50, 5250MHz, MIMO Chain0+1)

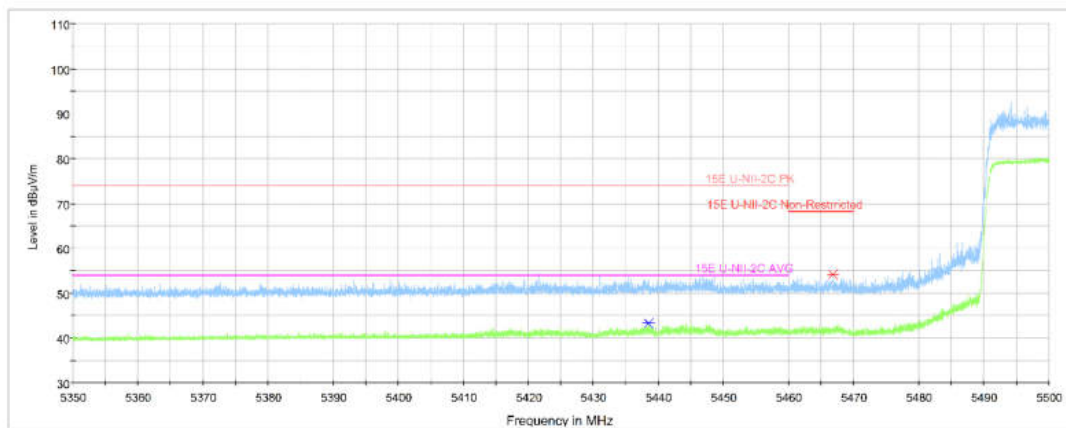


Fig. 38 Band Edges (802.11ax-HT160 , full RU, Ch114, 5570MHz, MIMO Chain0+1)

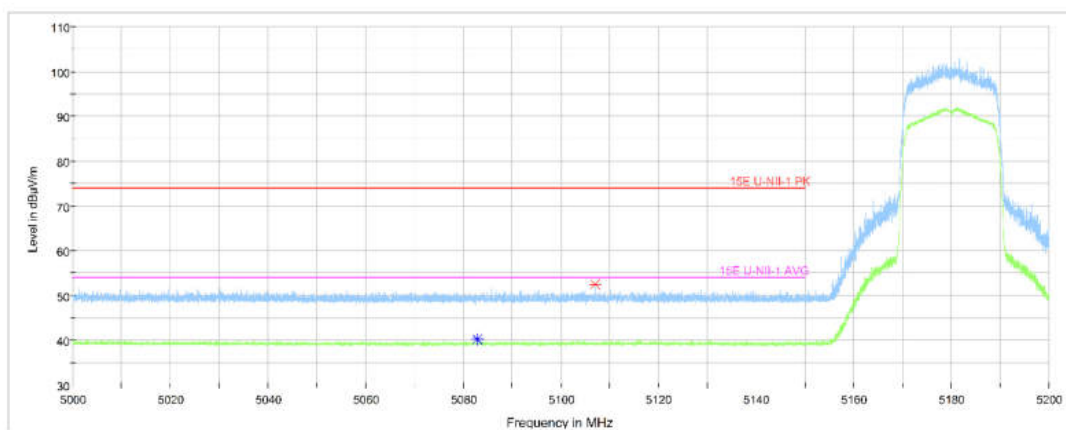


Fig. 39 Band Edges (802.11be-HT20 , full RU, Ch36, 5180MHz, MIMO Chain0+1)

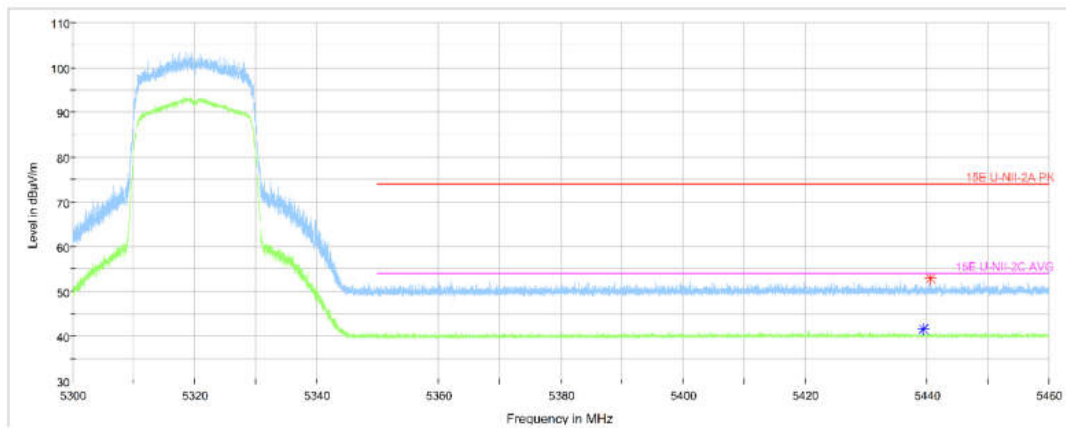


Fig. 40 Band Edges (802.11be-HT20 , full RU, Ch64, 5320MHz, MIMO Chain0+1)

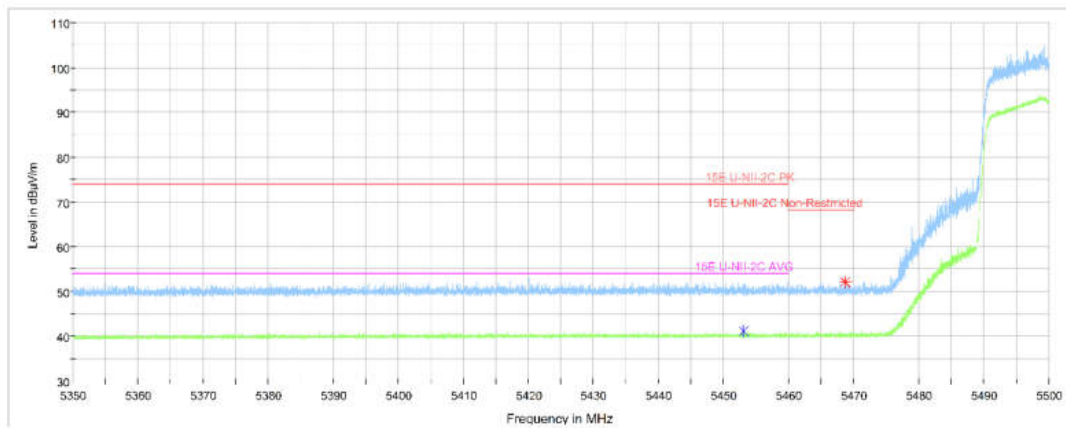


Fig. 41 Band Edges (802.11be-HT20 , full RU, Ch100, 5500MHz, MIMO Chain0+1)

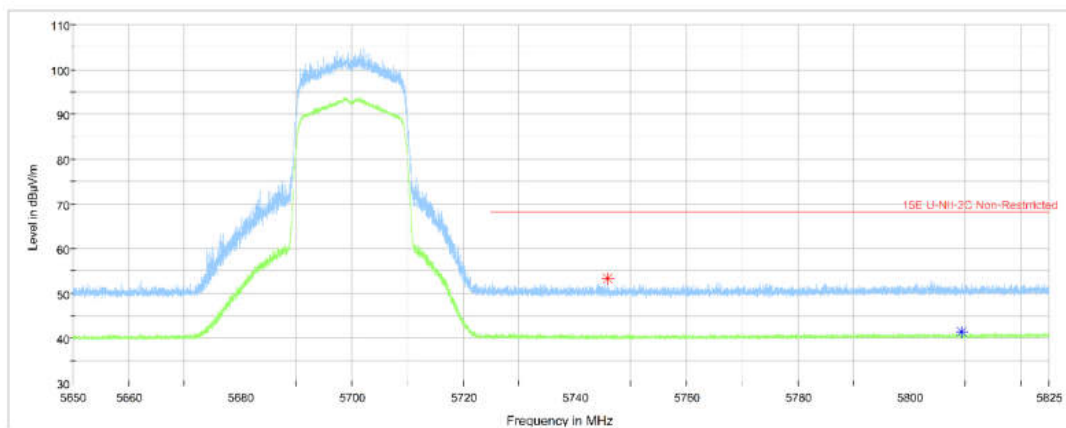


Fig. 42 Band Edges (802.11be-HT20 , full RU, Ch140, 5700MHz, MIMO Chain0+1)

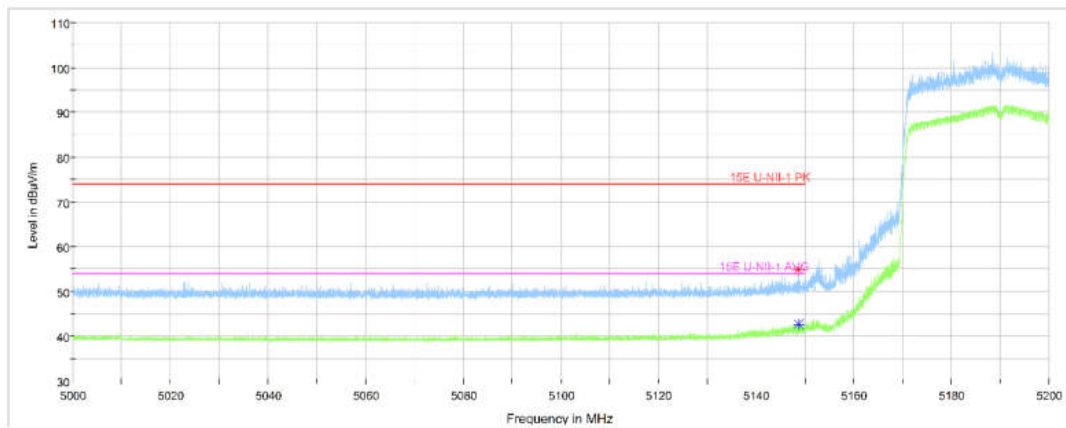


Fig. 43 Band Edges (802.11be-HT40 , full RU, Ch38, 5190MHz, MIMO Chain0+1)

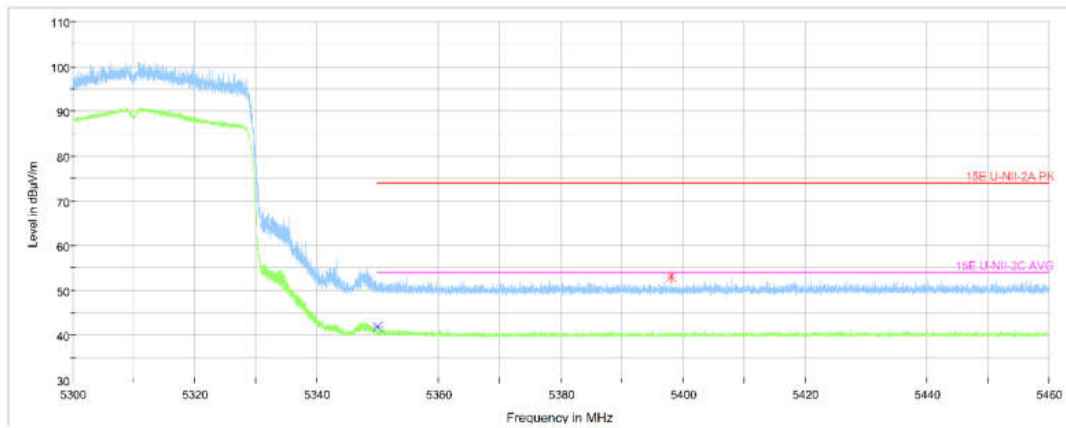


Fig. 44 Band Edges (802.11be-HT40 , full RU, Ch62, 5310MHz, MIMO Chain0+1)

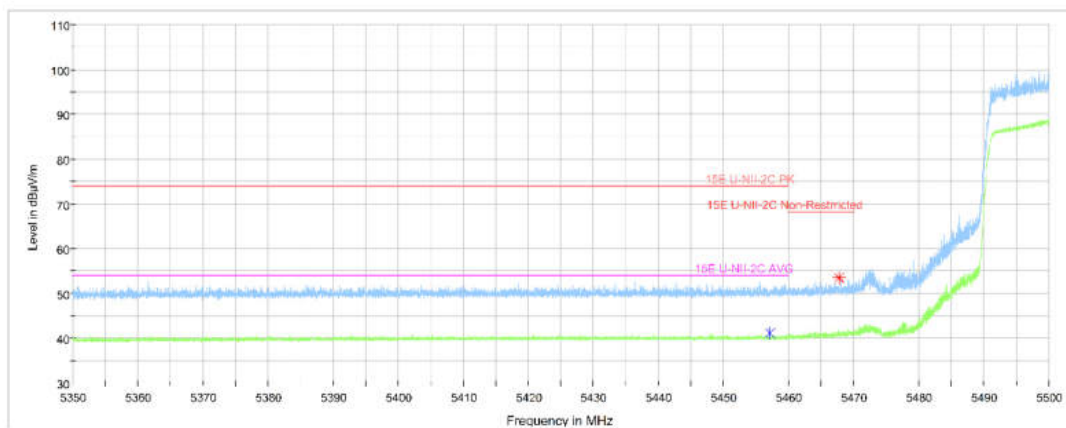


Fig. 45 Band Edges (802.11be-HT40 , full RU, Ch102, 5510MHz, MIMO Chain0+1)

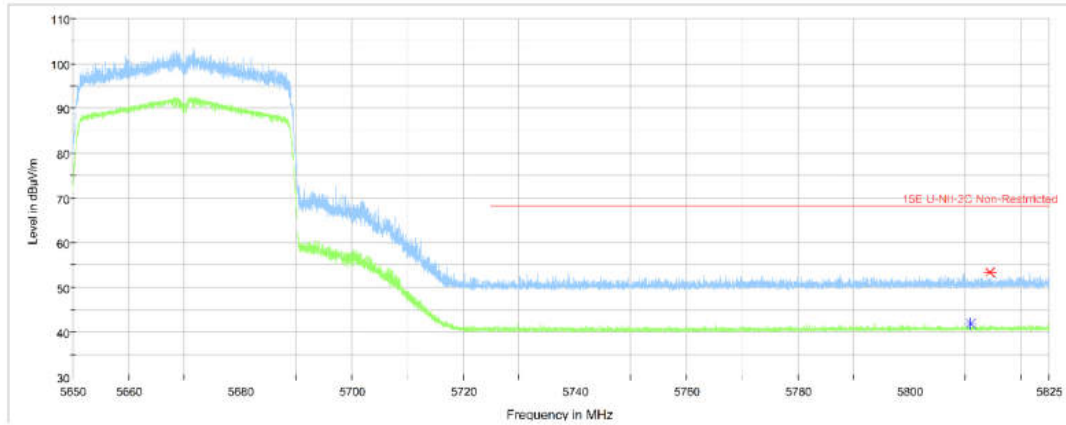


Fig. 46 Band Edges (802.11be-HT40 , full RU, Ch134, 5670MHz, MIMO Chain0+1)

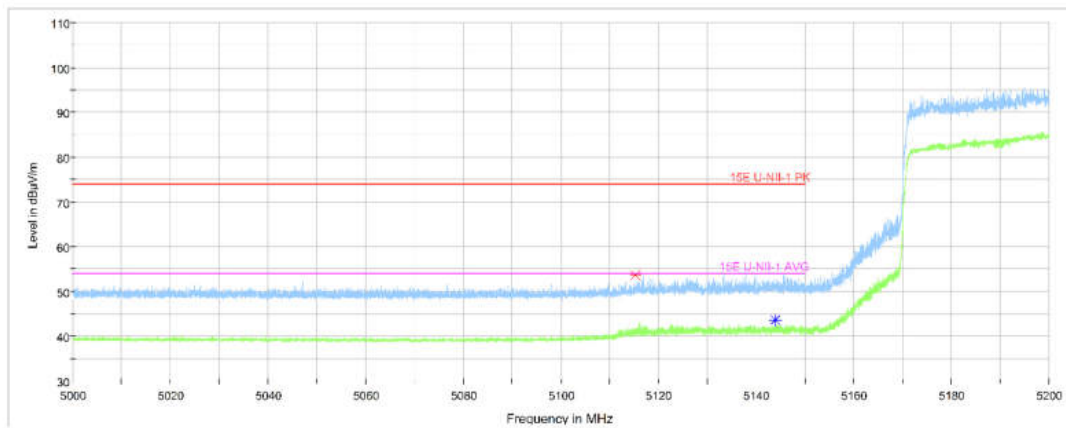


Fig. 47 Band Edges (802.11be-HT80 , full RU, Ch42 , 5210MHz, MIMO Chain0+1)

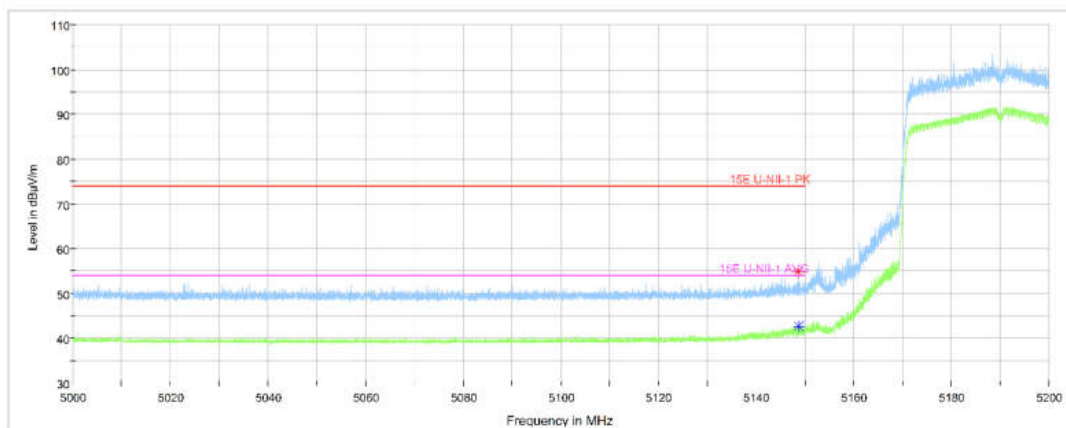


Fig. 48 Band Edges (802.11be-HT80 , full RU, Ch58, 5290MHz, MIMO Chain0+1)

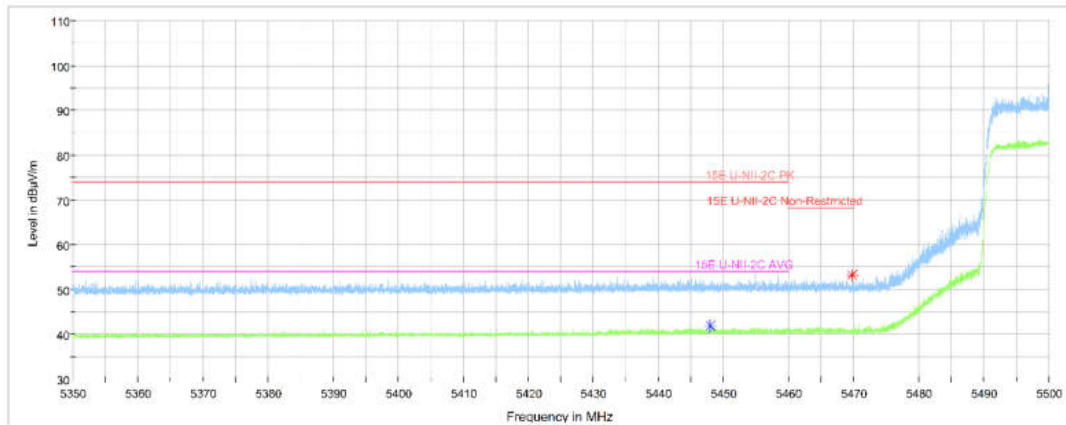


Fig. 49 Band Edges (802.11be-HT80 , full RU, Ch106, 5530MHz, MIMO Chain0+1)

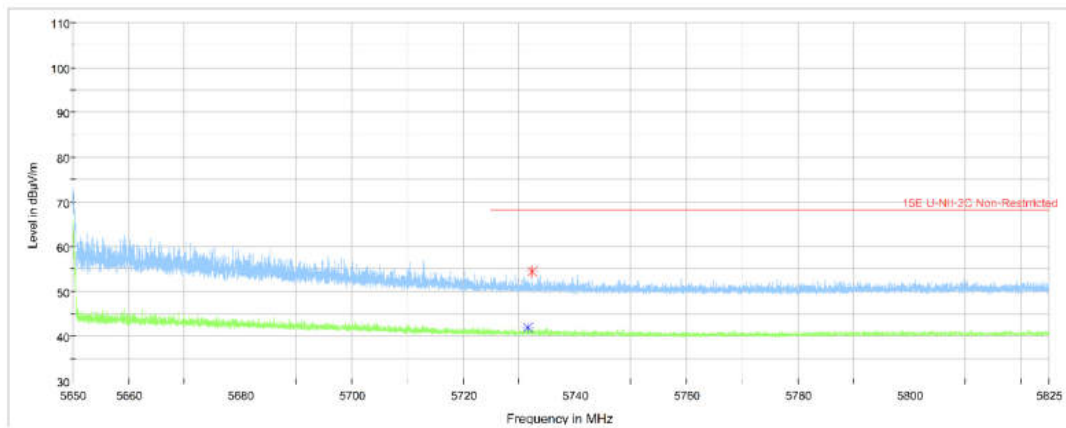


Fig. 50 Band Edges (802.11be-HT80 , full RU, Ch122, 5610MHz, MIMO Chain0+1)

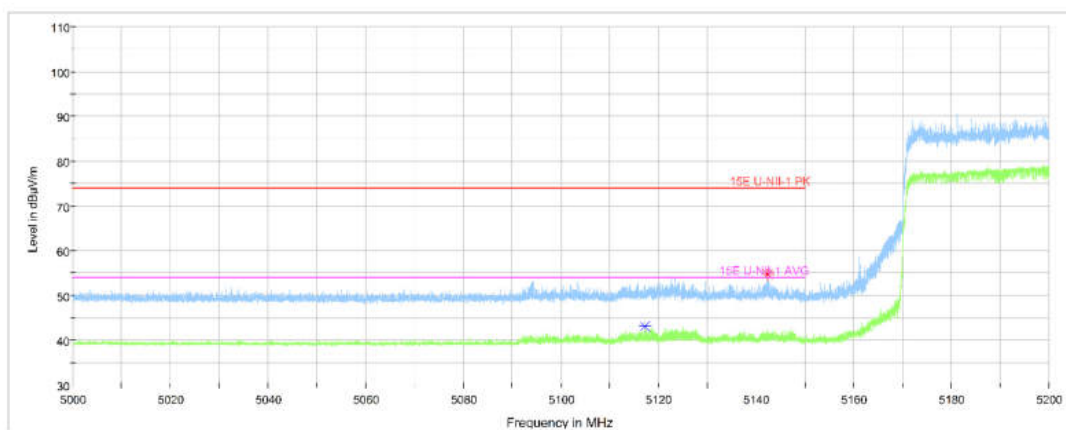


Fig. 51 Band Edges (802.11be-HT160 , full RU, Ch50, 5250MHz, MIMO Chain0+1)

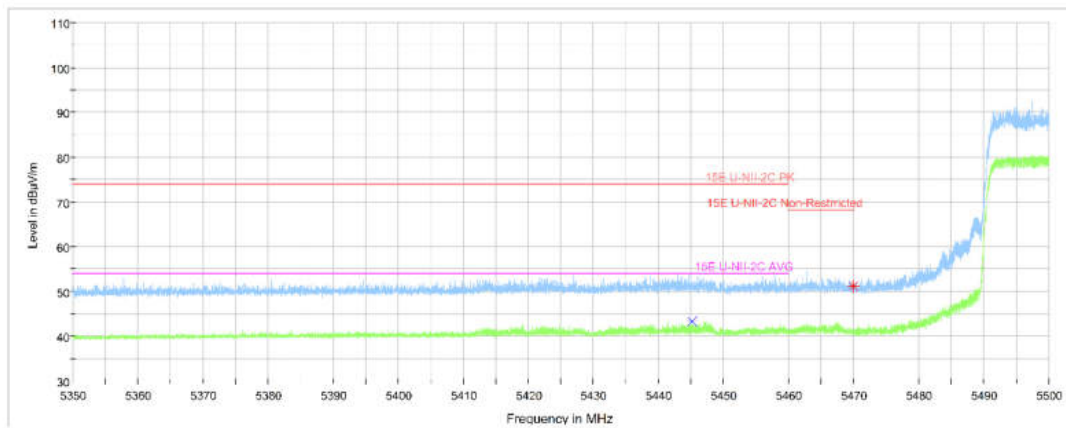


Fig. 52 Band Edges (802.11be-HT160 , full RU, Ch114, 5570MHz, MIMO Chain0+1)

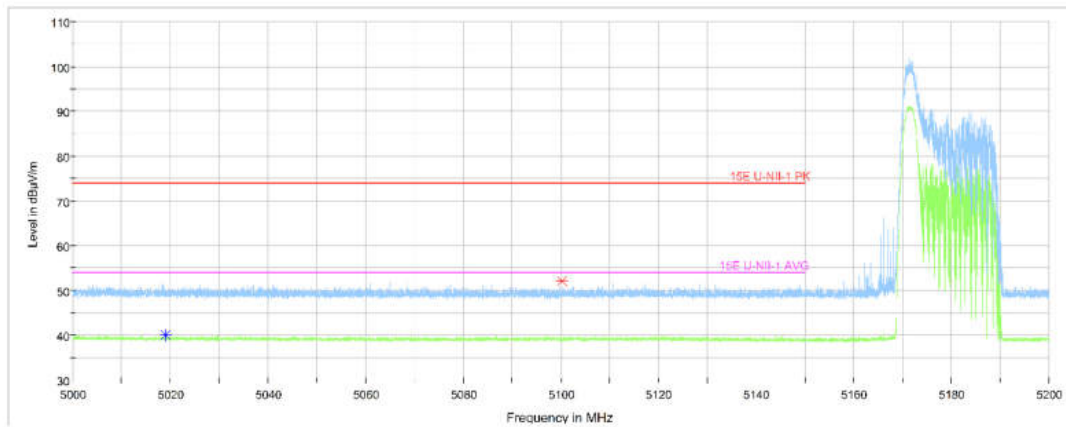


Fig. 53 Band Edges (802.11ax-HT20 , partial RU, Ch36, 5180MHz, MIMO Chain0+1)

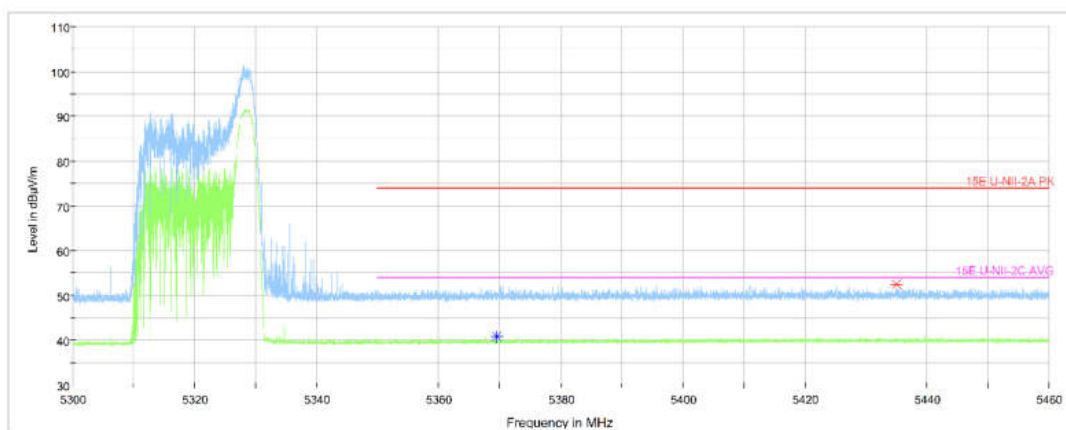


Fig. 54 Band Edges (802.11ax-HT20 , partial RU, Ch64, 5320MHz, MIMO Chain0+1)

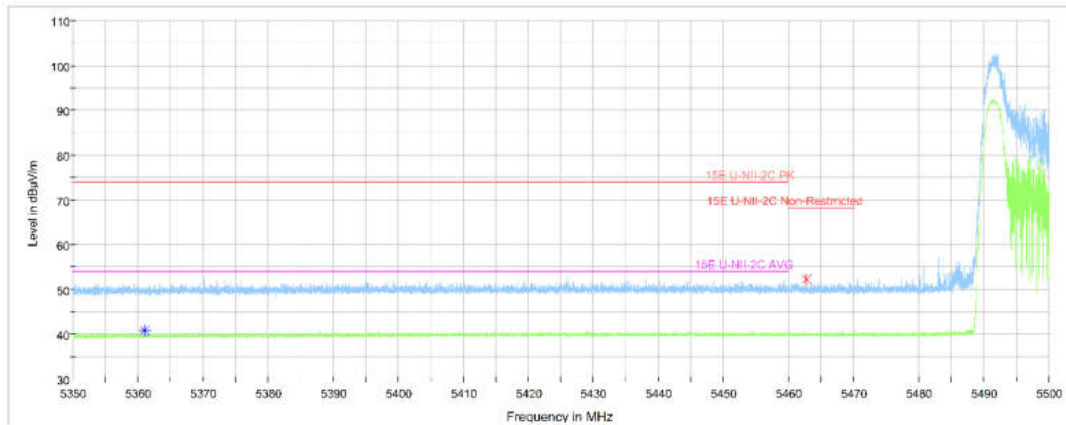


Fig. 55 Band Edges (802.11ax-HT20 , partial RU, Ch100, 5500MHz, MIMO Chain0+1)

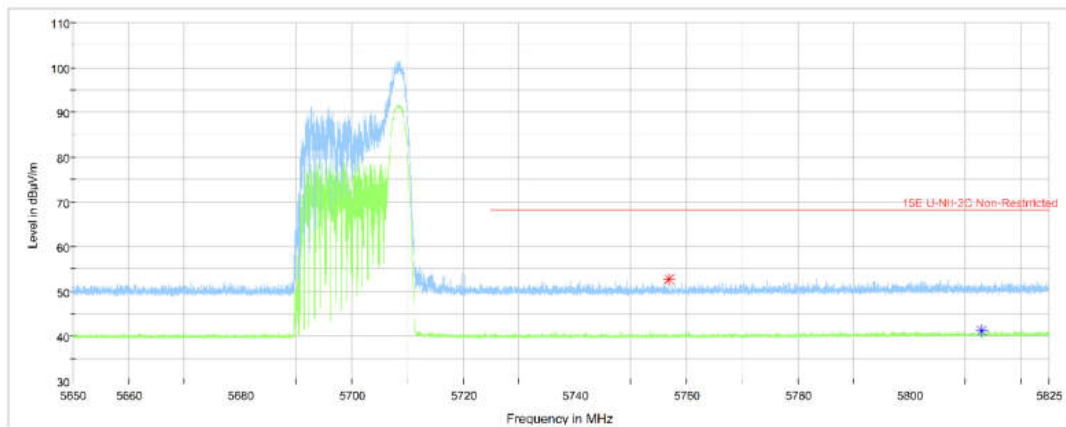


Fig. 56 Band Edges (802.11ax-HT20 , partial RU, Ch140, 5700MHz, MIMO Chain0+1)

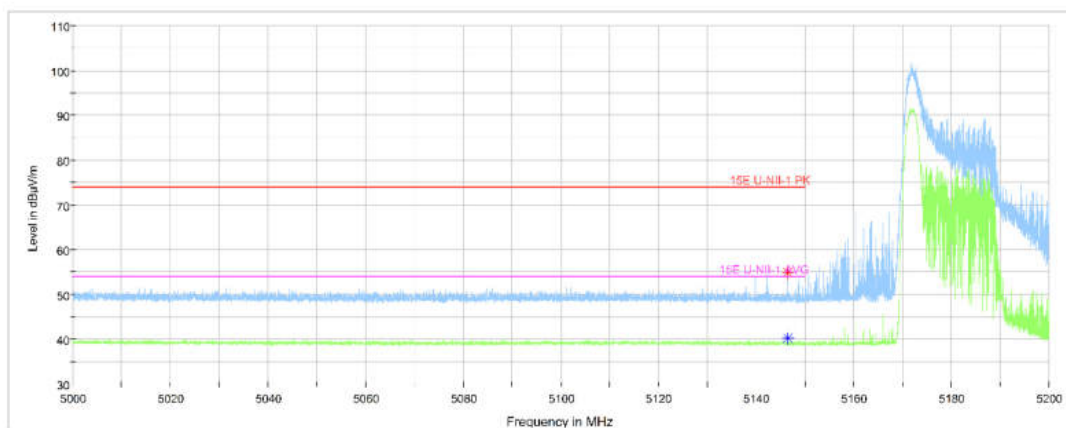


Fig. 57 Band Edges (802.11ax-HT40 , partial RU, Ch38, 5190MHz, MIMO Chain0+1)

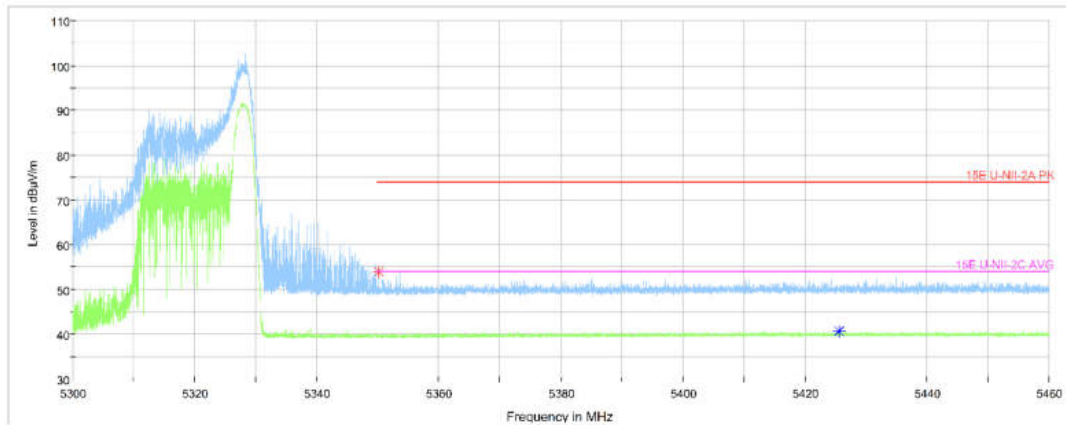


Fig. 58 Band Edges (802.11ax-HT40 , partial RU, Ch62, 5310MHz, MIMO Chain0+1)

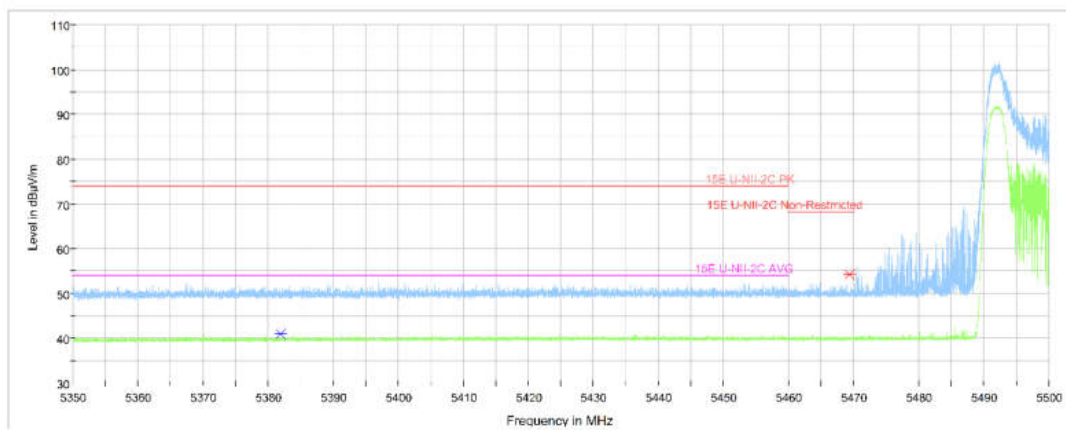


Fig. 59 Band Edges (802.11ax-HT40 , partial RU, Ch102, 5510MHz, MIMO Chain0+1)

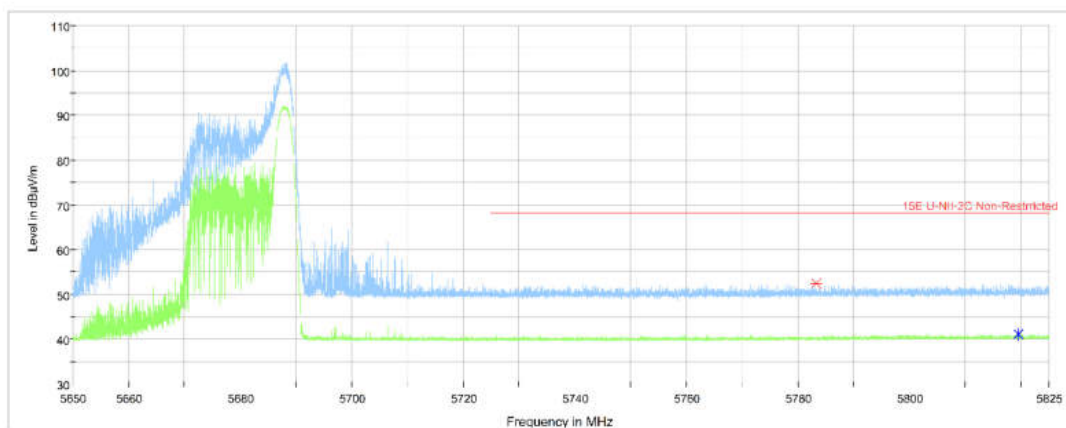


Fig. 60 Band Edges (802.11ax-HT40 , partial RU, Ch134, 5670MHz, MIMO Chain0+1)

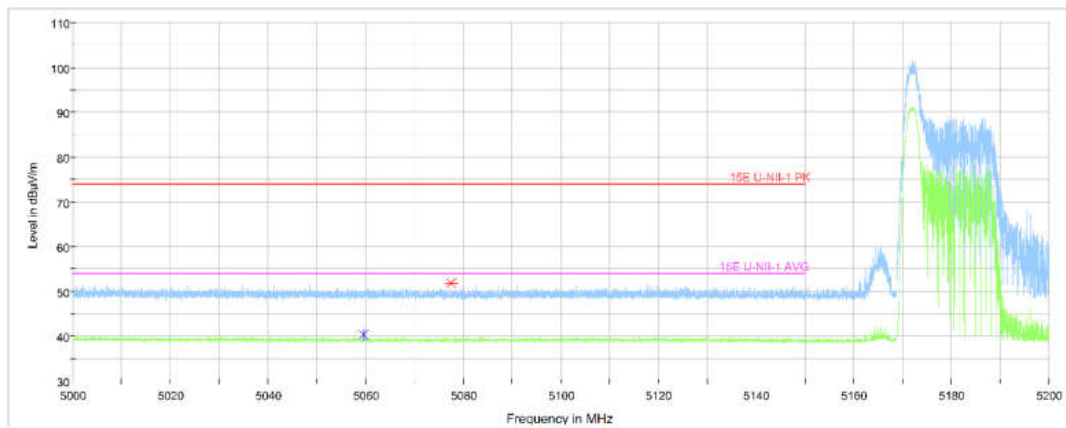


Fig. 61 Band Edges (802.11ax-HT80 , partial RU, Ch42 , 5210MHz, MIMO Chain0+1)

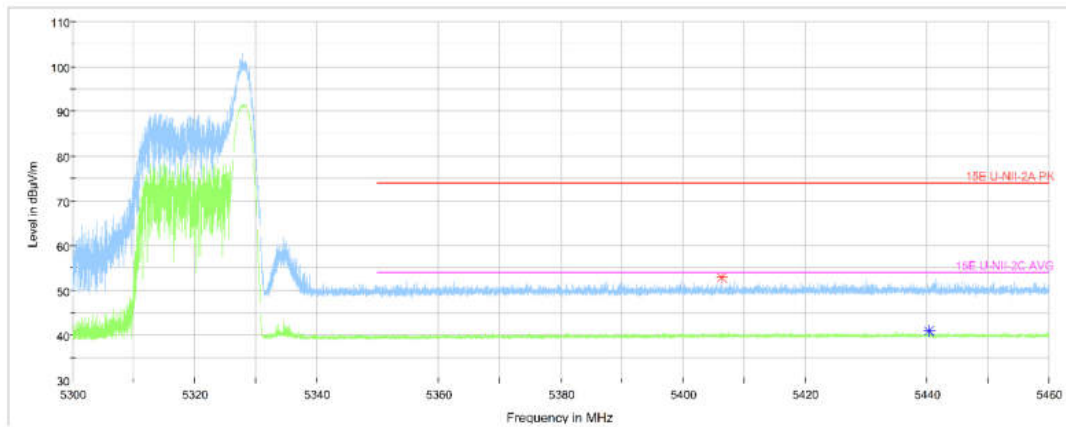


Fig. 62 Band Edges (802.11ax-HT80 , partial RU, Ch58, 5290MHz, MIMO Chain0+1)

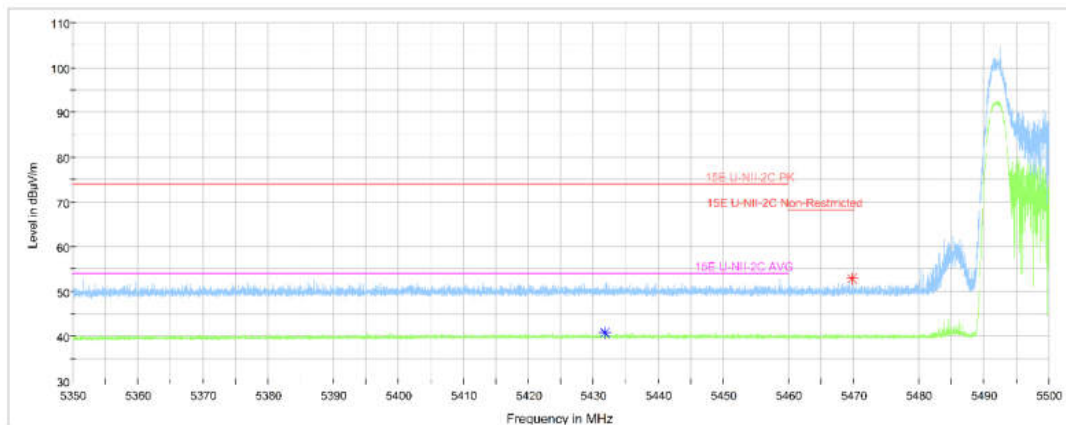


Fig. 63 Band Edges (802.11ax-HT80 , partial RU, Ch106, 5530MHz, MIMO Chain0+1)

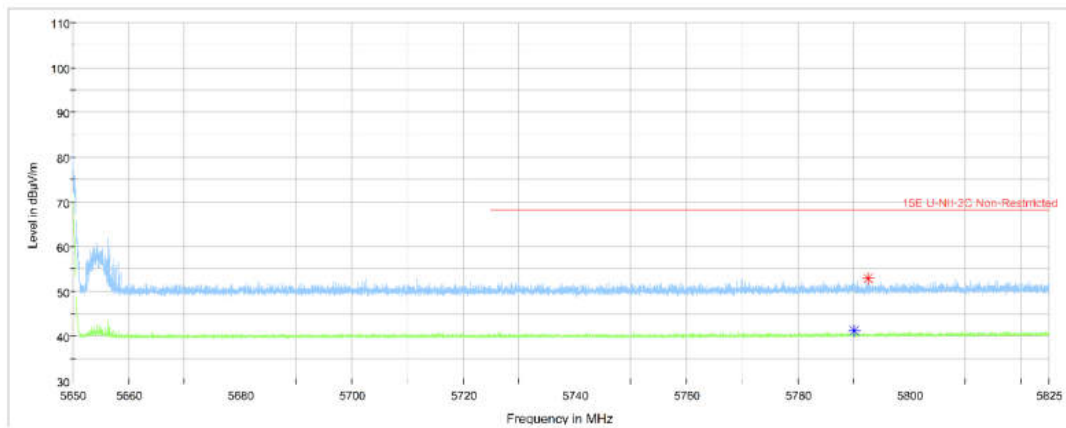


Fig. 64 Band Edges (802.11ax-HT80 , partial RU, Ch122, 5610MHz, MIMO Chain0+1)

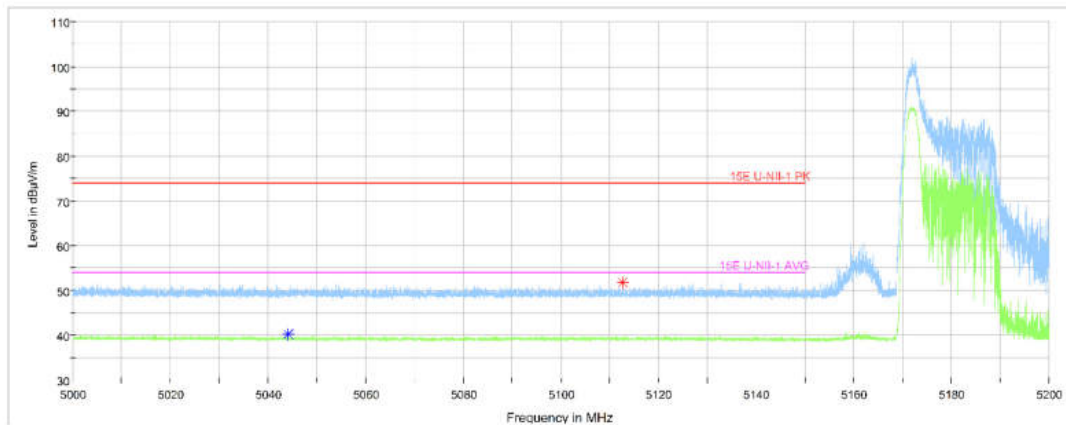


Fig. 65 Band Edges (802.11ax-HT160 , partial RU, Ch50, 5250MHz, MIMO Chain0+1)

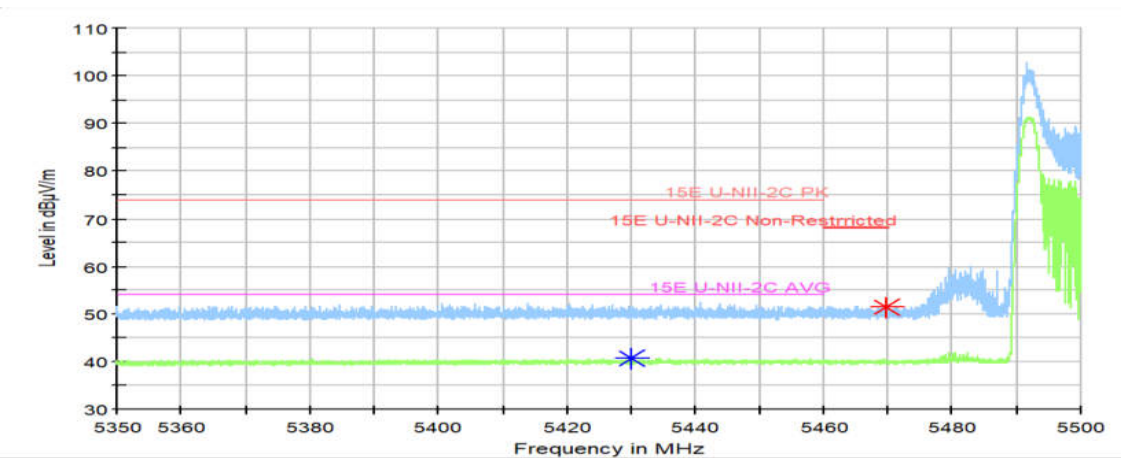


Fig. 66 Band Edges (802.11ax-HT160 , partial RU, Ch114, 5570MHz, MIMO Chain0+1)

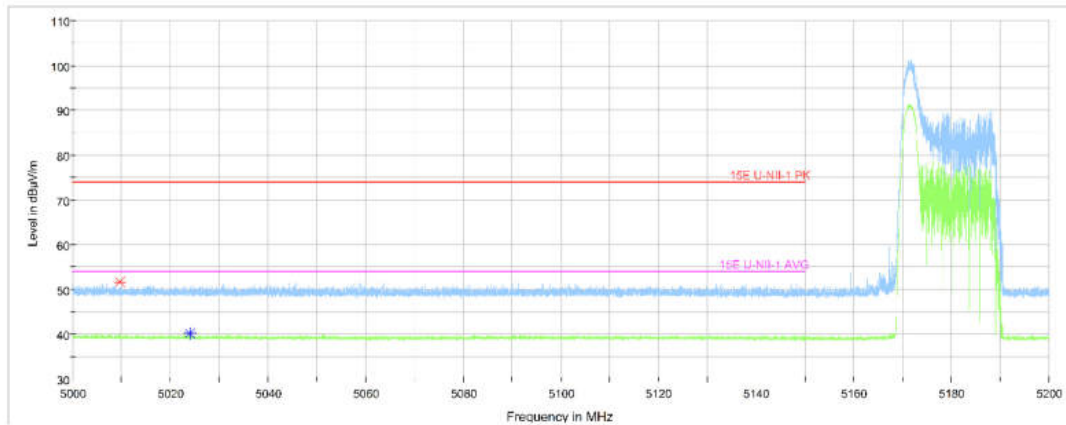


Fig. 67 Band Edges (802.11be-HT20 , partial RU, Ch36, 5180MHz, MIMO Chain0+1)

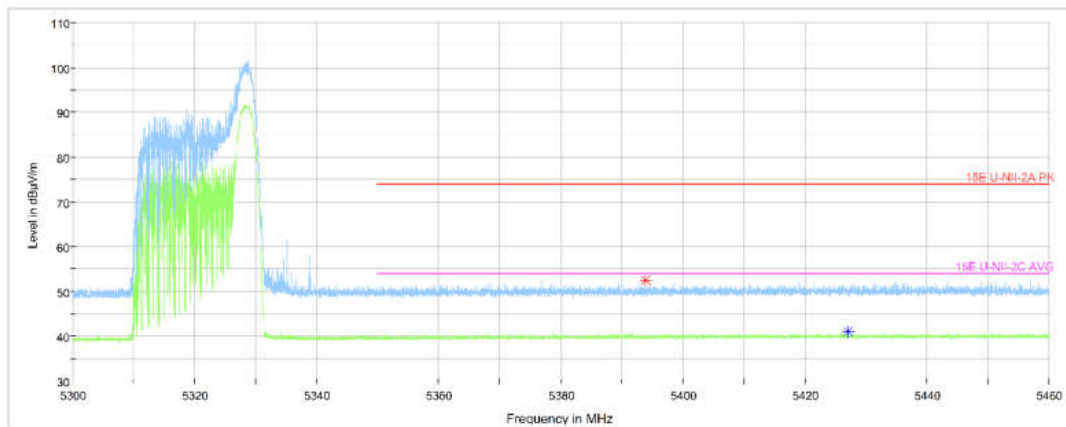


Fig. 68 Band Edges (802.11be-HT20 , partial RU, Ch64, 5320MHz, MIMO Chain0+1)

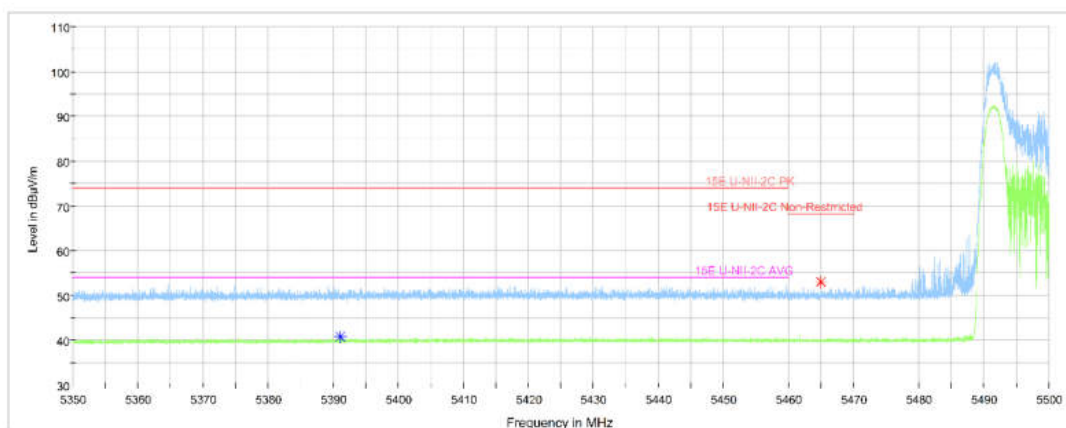


Fig. 69 Band Edges (802.11be-HT20 , partial RU, Ch100, 5500MHz, MIMO Chain0+1)

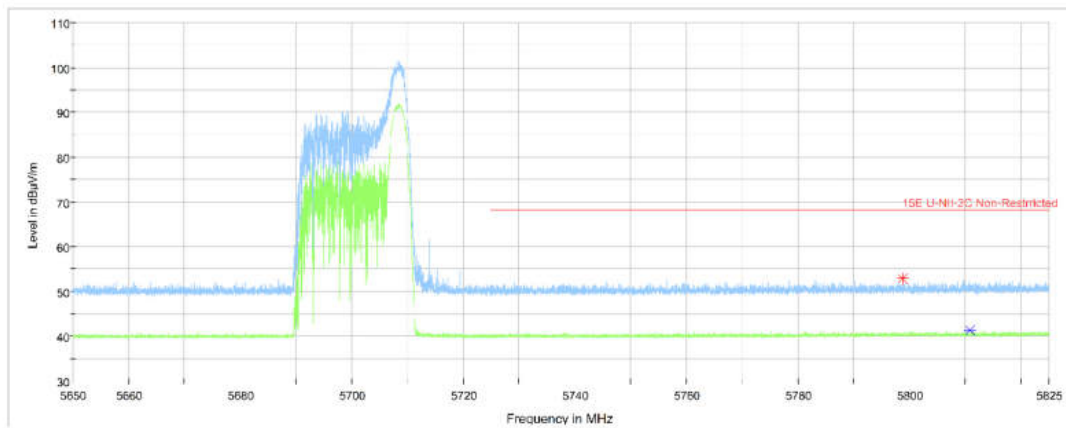


Fig. 70 Band Edges (802.11be-HT20 , partial RU, Ch140, 5700MHz, MIMO Chain0+1)

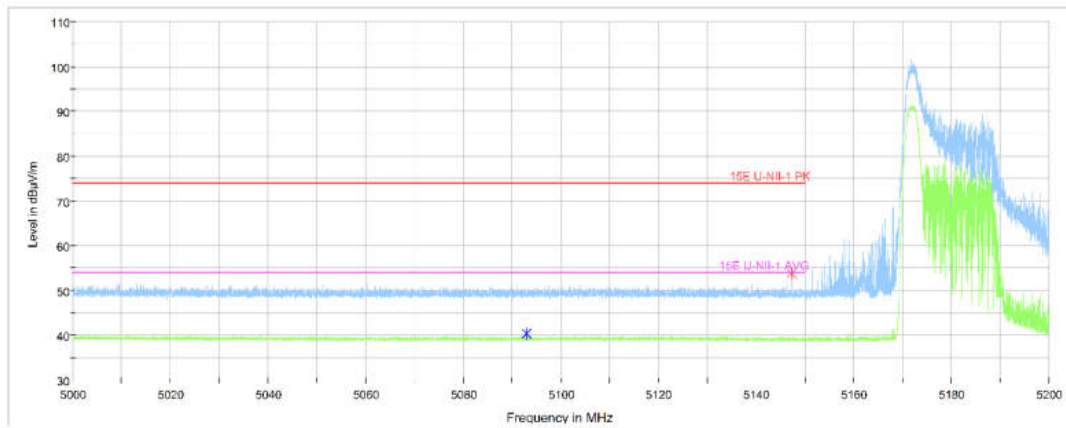


Fig. 71 Band Edges (802.11be-HT40 , partial RU, Ch38, 5190MHz, MIMO Chain0+1)

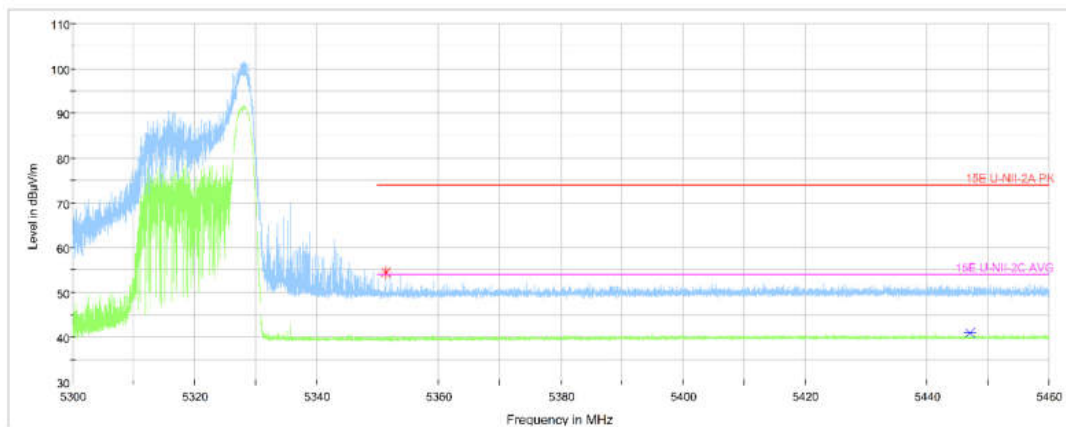


Fig. 72 Band Edges (802.11be-HT40 , partial RU, Ch62, 5310MHz, MIMO Chain0+1)

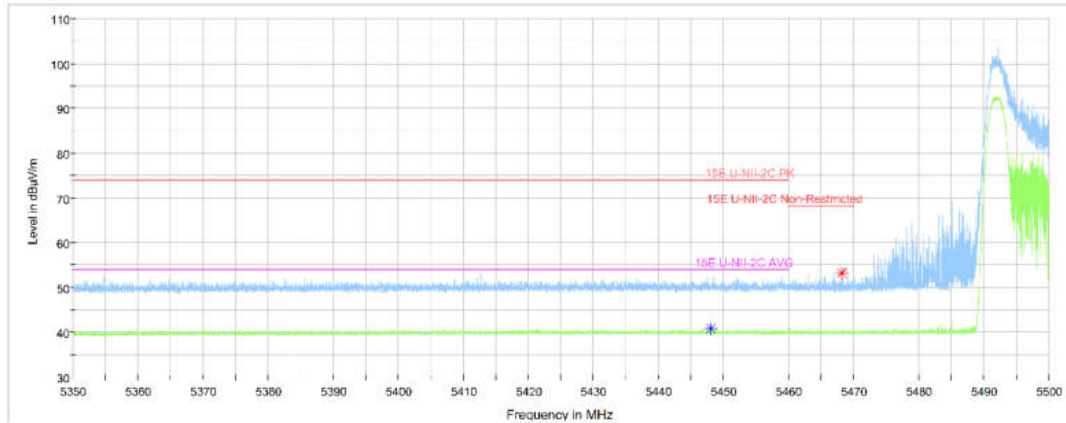


Fig. 73 Band Edges (802.11be-HT40 , partial RU, Ch102, 5510MHz, MIMO Chain0+1)

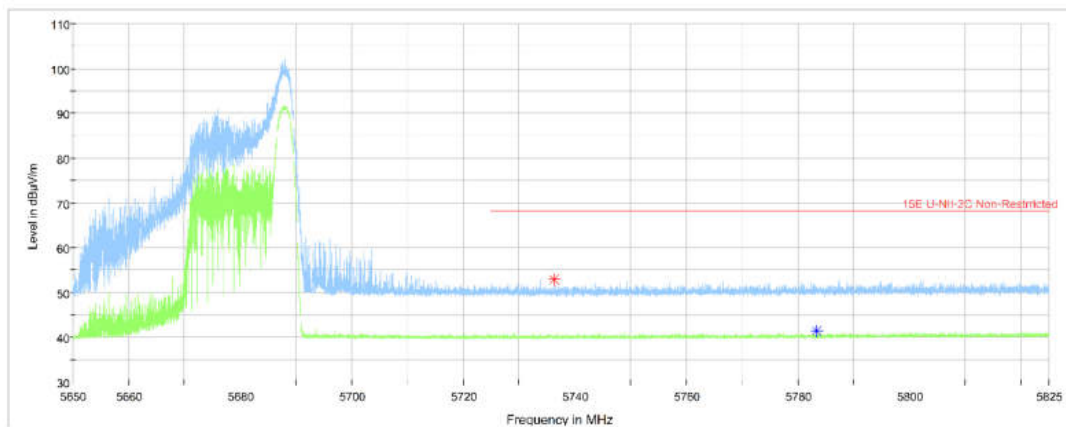


Fig. 74 Band Edges (802.11be-HT40 , partial RU, Ch134, 5670MHz, MIMO Chain0+1)

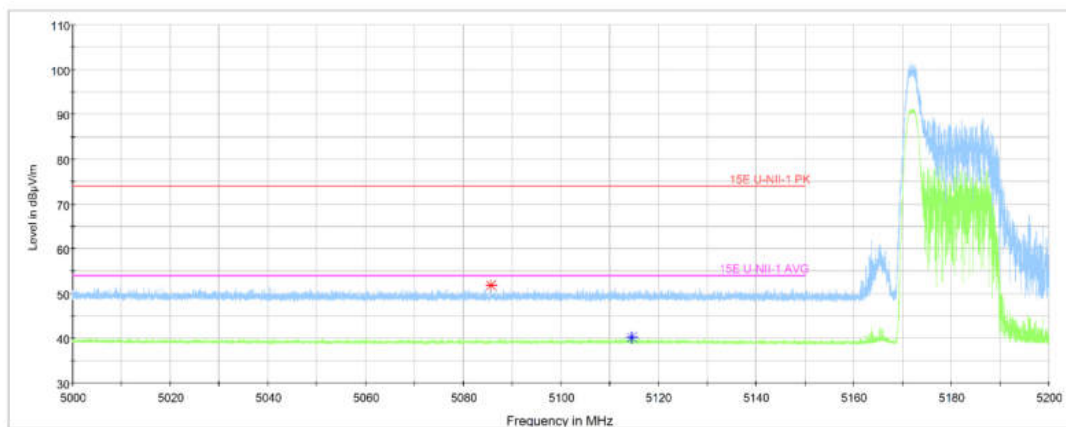


Fig. 75 Band Edges (802.11be-HT80 , partial RU, Ch42 , 5210MHz, MIMO Chain0+1)

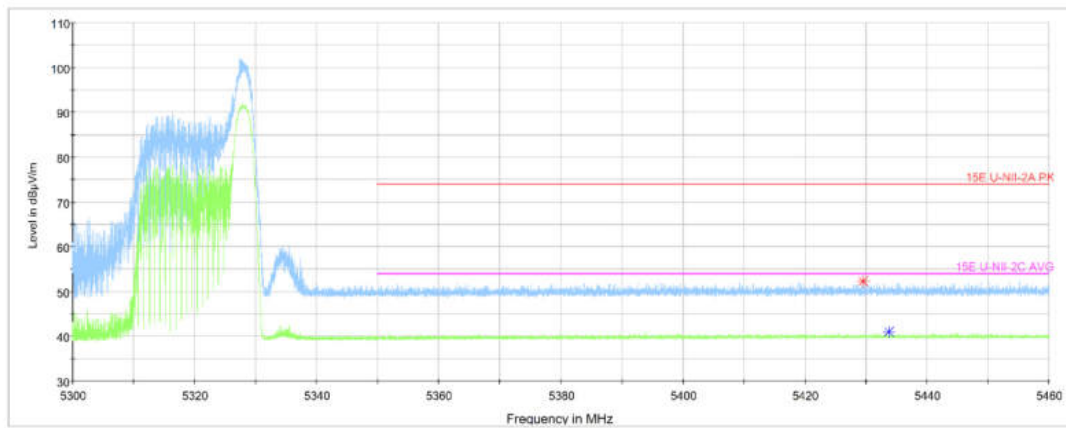


Fig. 76 Band Edges (802.11be-HT80 , partial RU, Ch58, 5290MHz, MIMO Chain0+1)

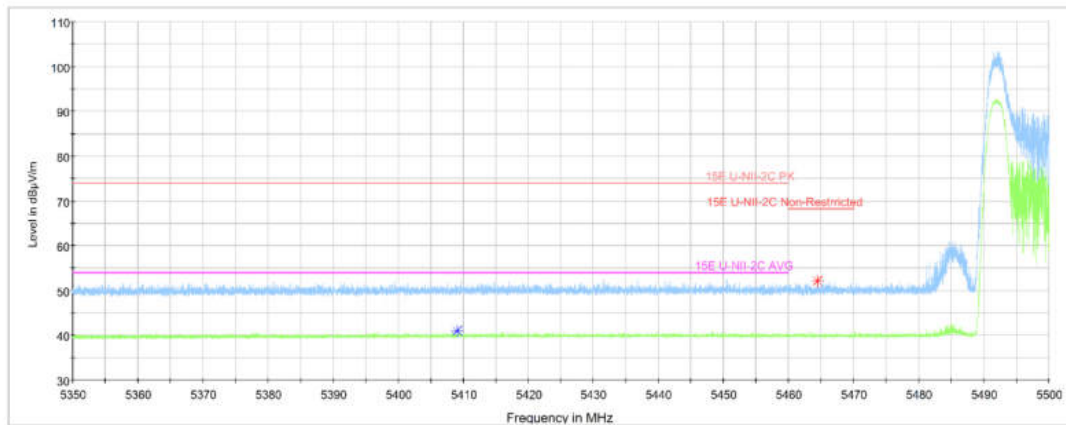


Fig. 77 Band Edges (802.11be-HT80 , partial RU, Ch106, 5530MHz, MIMO Chain0+1)

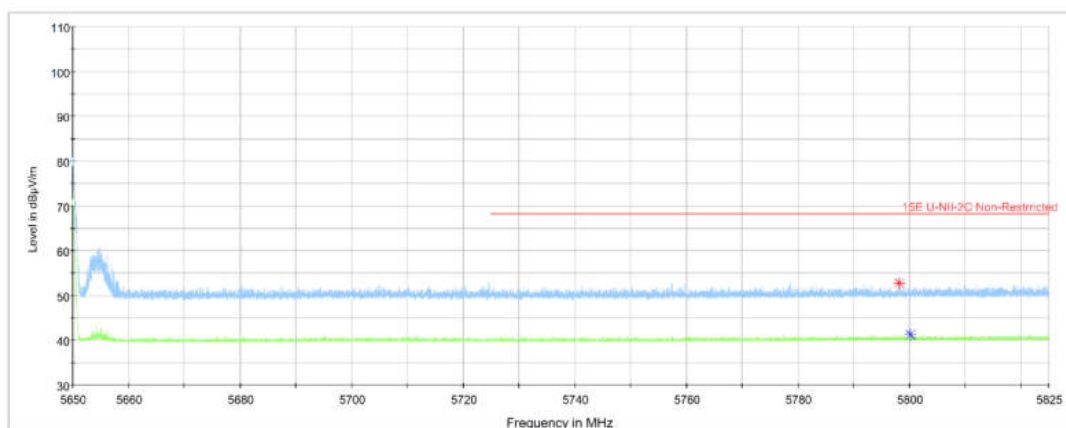


Fig. 78 Band Edges (802.11be-HT80 , partial RU, Ch122, 5610MHz, MIMO Chain0+1)

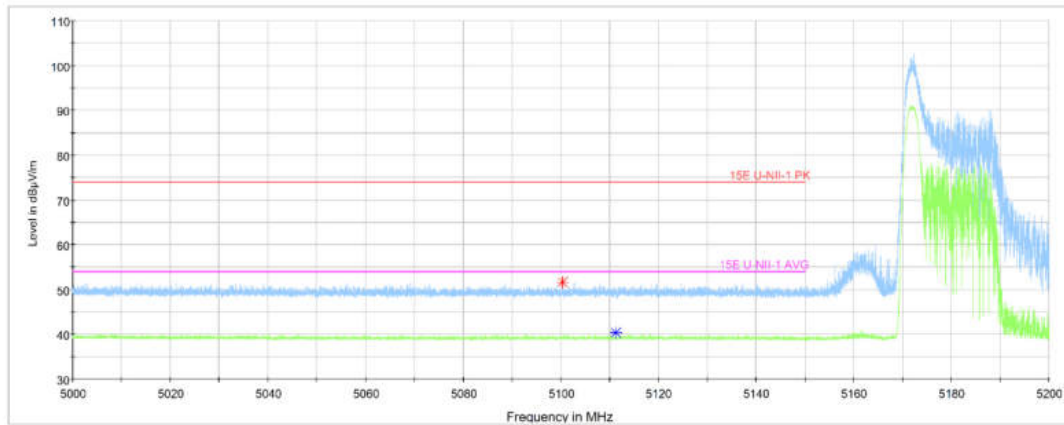


Fig. 79 Band Edges (802.11be-HT160 , partial RU, Ch50, 5250MHz, MIMO Chain0+1)

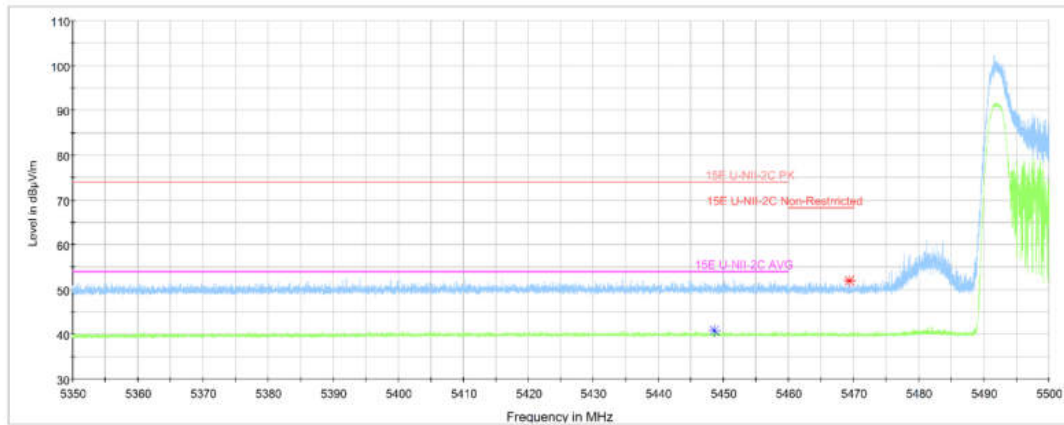


Fig. 80 Band Edges (802.11be-HT160 , partial RU, Ch114, 5570MHz, MIMO Chain0+1)

A.6. AC Powerline Conducted Emission (150kHz- 30MHz)

A.6.1 Summary

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section

A.6.2 Method of Measurement

See Clause 6.2 of ANSI C63.10 specifically.

See Clause 4 and Clause 5 of ANSI C63.10 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.

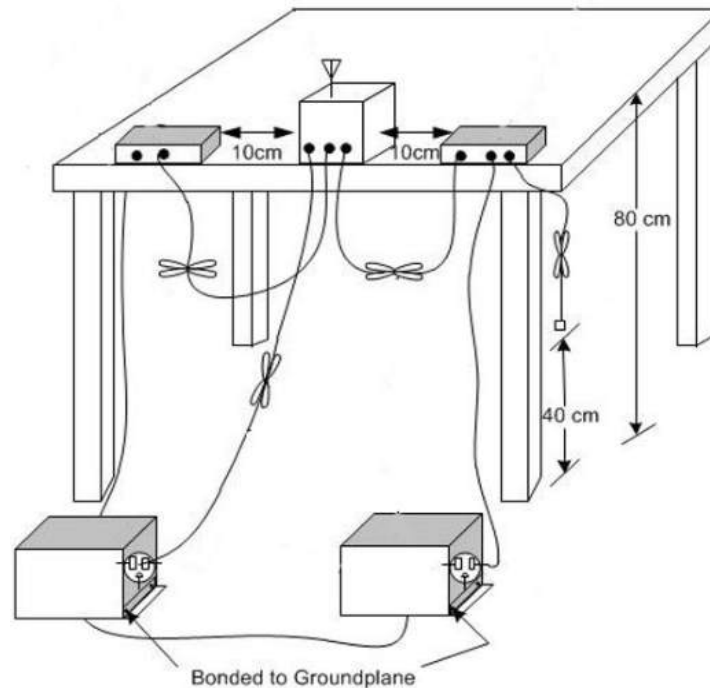
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/IF bandwidth
0.15-30	9kHz

A.6.3 Test Condition

Voltage (V)	Frequency (Hz)
120	60

A.6.4 Test setup



Measurement Result and limit: WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.81	Fig.82	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 (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.81	Fig.82	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.

Conclusion: PASS

Test graphs as below:

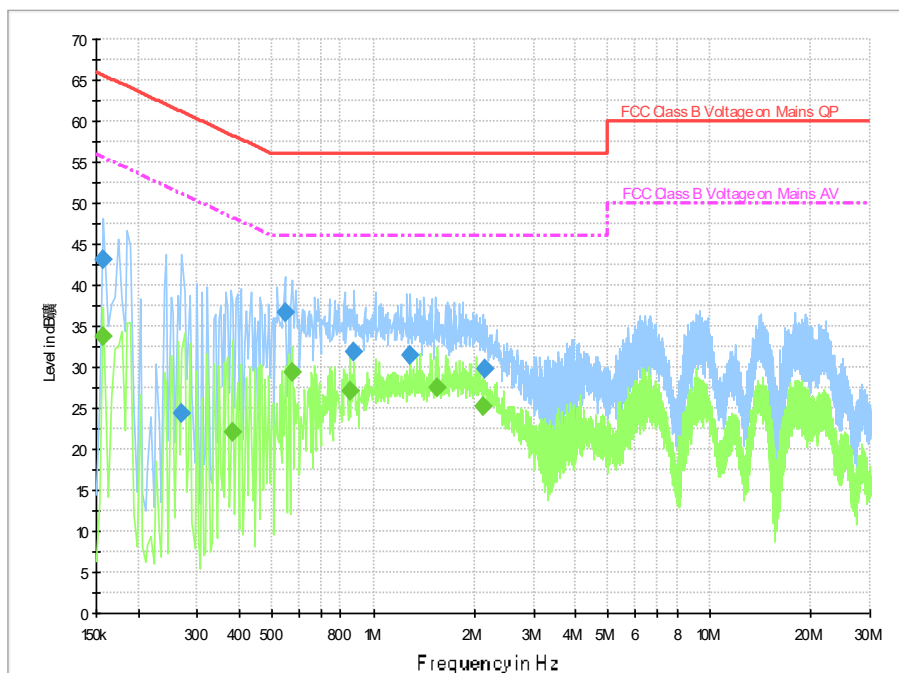


Fig.81 Conducted Emission(802.11a, Ch36, TX)

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	43.1	2000.0	9.000	On	L1	19.9	22.5	65.6	
0.270000	24.5	2000.0	9.000	On	L1	19.9	36.7	61.1	
0.546000	36.7	2000.0	9.000	On	L1	20.0	19.3	56.0	
0.878000	31.8	2000.0	9.000	On	L1	19.9	24.2	56.0	
1.290000	31.5	2000.0	9.000	On	L1	19.9	24.5	56.0	
2.146000	29.7	2000.0	9.000	On	L1	19.8	26.3	56.0	

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	33.8	2000.0	9.000	On	L1	19.9	21.8	55.6	
0.382000	22.2	2000.0	9.000	On	L1	19.9	26.1	48.2	
0.574000	29.3	2000.0	9.000	On	L1	20.0	16.7	46.0	
0.850000	27.1	2000.0	9.000	On	L1	19.9	18.9	46.0	
1.554000	27.4	2000.0	9.000	On	L1	19.8	18.6	46.0	
2.122000	25.2	2000.0	9.000	On	L1	19.8	20.8	46.0	

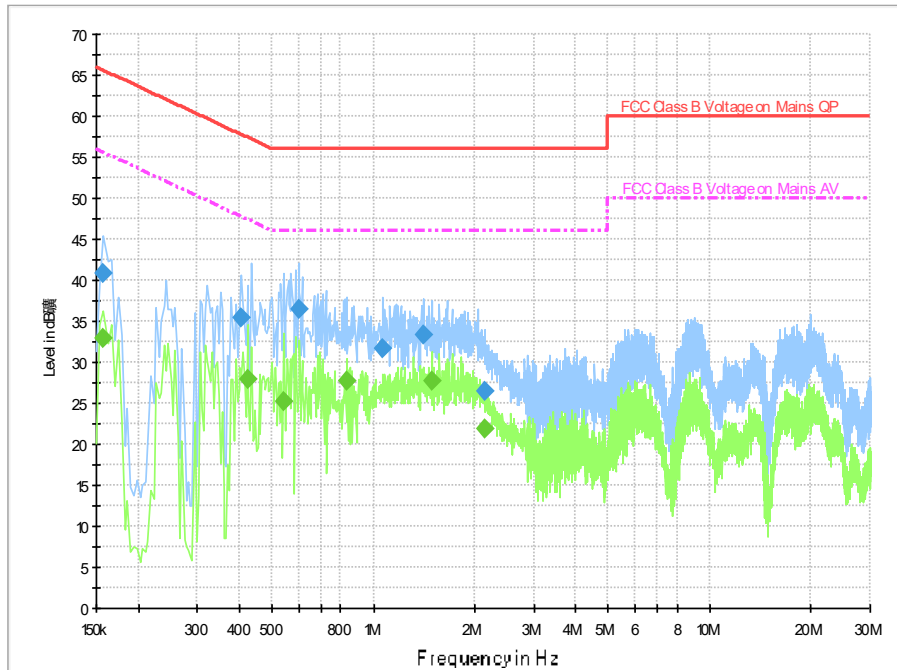


Fig.82 Conducted Emission(802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	40.9	2000.0	9.000	On	L1	19.9	24.6	65.6	
0.406000	35.4	2000.0	9.000	On	L1	20.0	22.3	57.7	
0.598000	36.4	2000.0	9.000	On	L1	20.0	19.6	56.0	
1.070000	31.6	2000.0	9.000	On	L1	19.9	24.4	56.0	
1.414000	33.4	2000.0	9.000	On	L1	19.9	22.6	56.0	
2.142000	26.5	2000.0	9.000	On	L1	19.8	29.5	56.0	

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	33.0	2000.0	9.000	On	L1	19.9	22.6	55.6	
0.422000	27.9	2000.0	9.000	On	L1	20.0	19.5	47.4	
0.542000	25.2	2000.0	9.000	On	L1	20.0	20.8	46.0	
0.834000	27.7	2000.0	9.000	On	L1	19.9	18.3	46.0	
1.494000	27.8	2000.0	9.000	On	L1	19.9	18.2	46.0	
2.154000	21.9	2000.0	9.000	On	L1	19.8	24.1	46.0	

A.7. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) 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.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. 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% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
-------------------------	---------

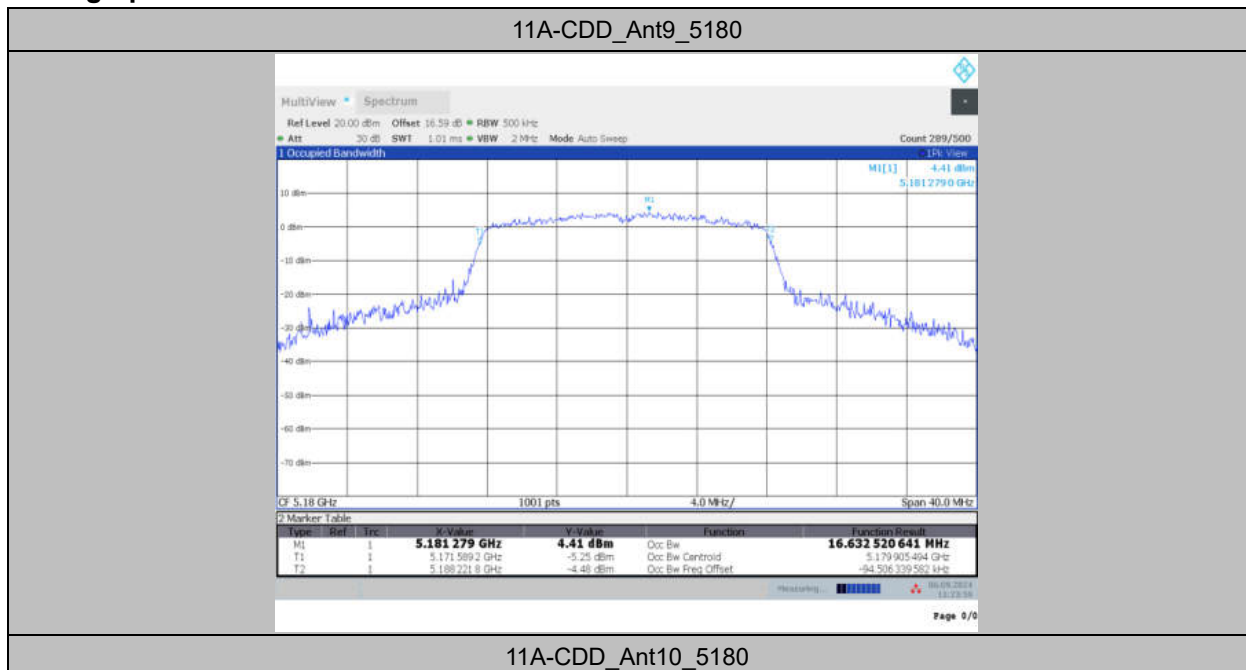
EUT ID: UT02a

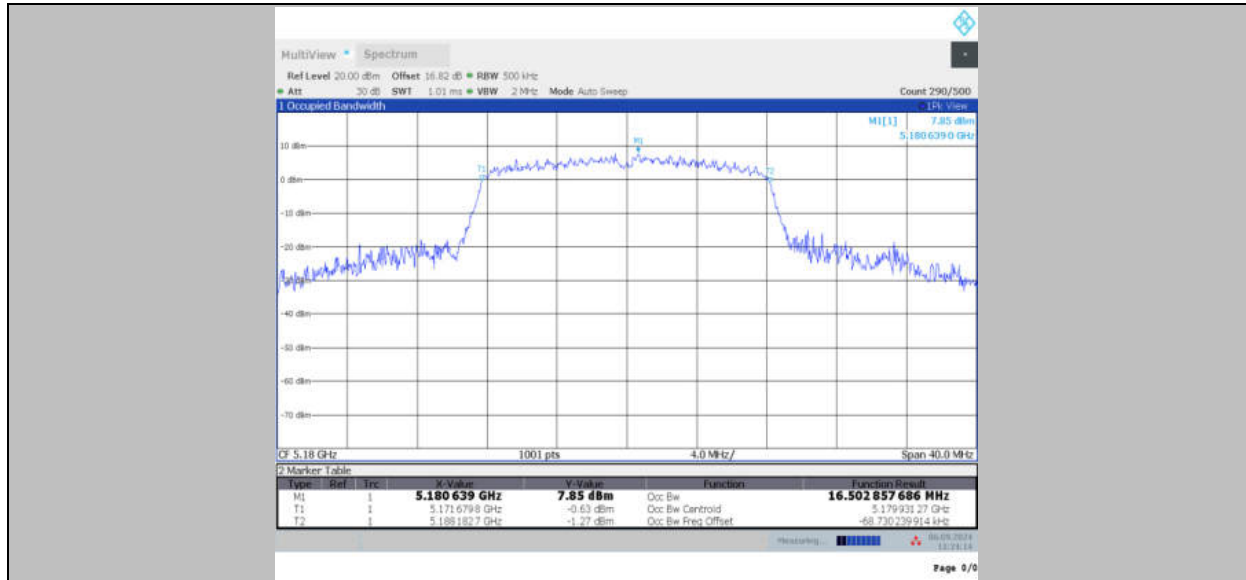
Measurement Result:

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant9	5180	16.633	5171.5892	5188.2218	PASS
	Ant10	5180	16.503	5171.6798	5188.1827	PASS
	Ant9	5200	16.535	5191.6418	5208.1765	PASS
	Ant10	5200	16.608	5191.5801	5208.1880	PASS
	Ant9	5240	16.542	5231.6293	5248.1715	PASS
	Ant10	5240	16.566	5231.6519	5248.2175	PASS
11BE20 MIMO	Ant9	5180	18.892	5170.4839	5189.3760	PASS
	Ant10	5180	18.837	5170.4886	5189.3255	PASS
	Ant9	5200	18.86	5190.4954	5209.3551	PASS
	Ant10	5200	18.944	5190.4027	5209.3465	PASS
	Ant9	5240	18.864	5230.4672	5249.3307	PASS
	Ant10	5240	18.904	5230.4965	5249.4003	PASS
11AX40 MIMO	Ant9	5190	37.712	5171.0833	5208.7949	PASS
	Ant10	5190	37.677	5171.2506	5208.9281	PASS
	Ant9	5230	37.603	5211.1027	5248.7061	PASS
	Ant10	5230	37.577	5211.0198	5248.5968	PASS
11AX80 MIMO	Ant9	5210	77.331	5171.4303	5248.7617	PASS
	Ant10	5210	77.794	5171.2436	5249.0371	PASS
11AX160 MIMO	Ant9	5250	156.403	5172.0385	5328.4419	PASS
	Ant10	5250	156.544	5171.9251	5328.4689	PASS

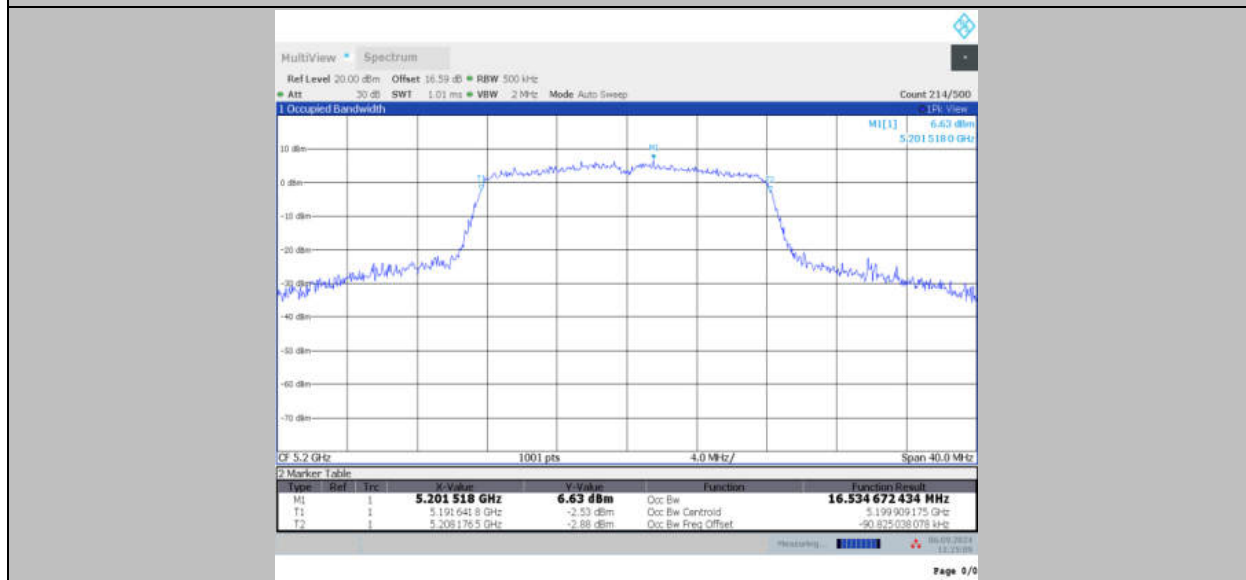
Note:All results have been tested, only shows the worst case.

Test graphs as below:

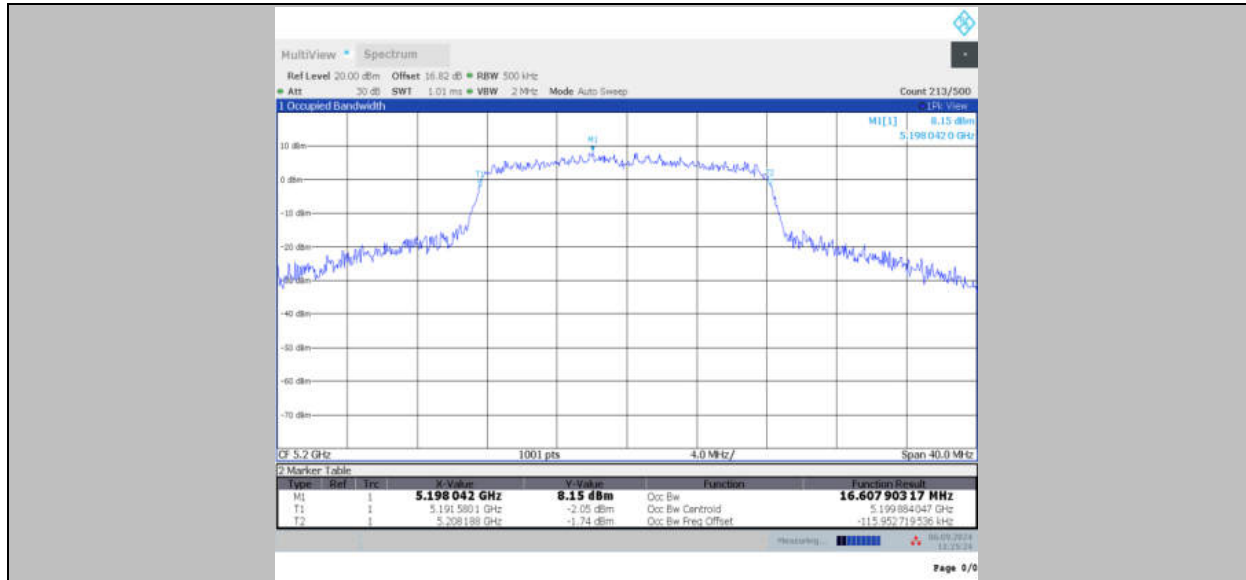




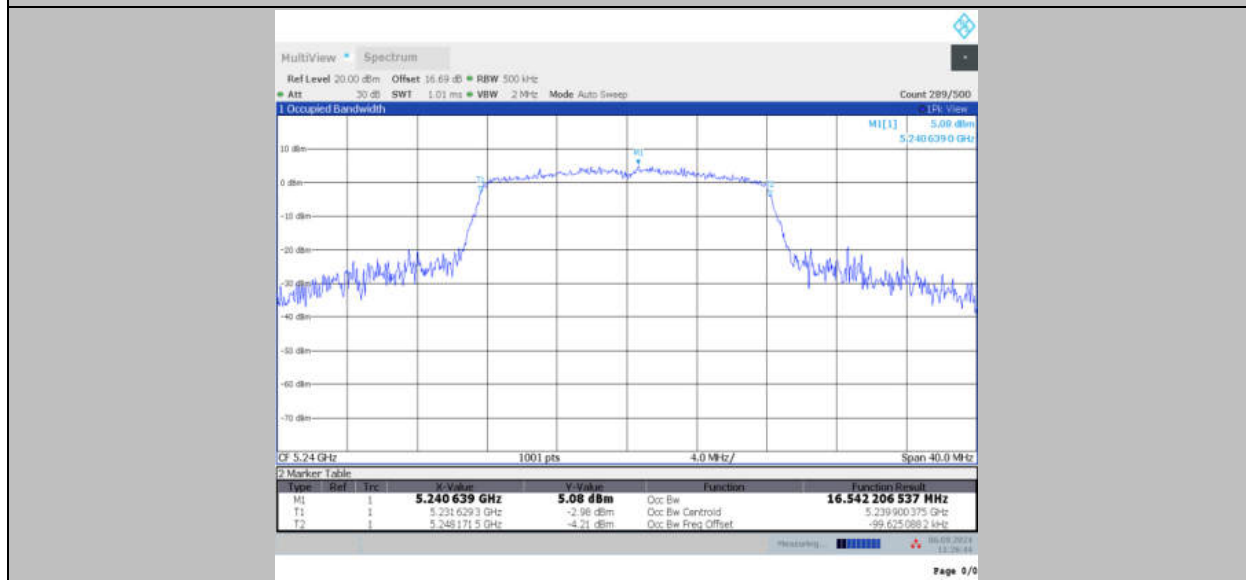
11A-CDD_Ant9_5200



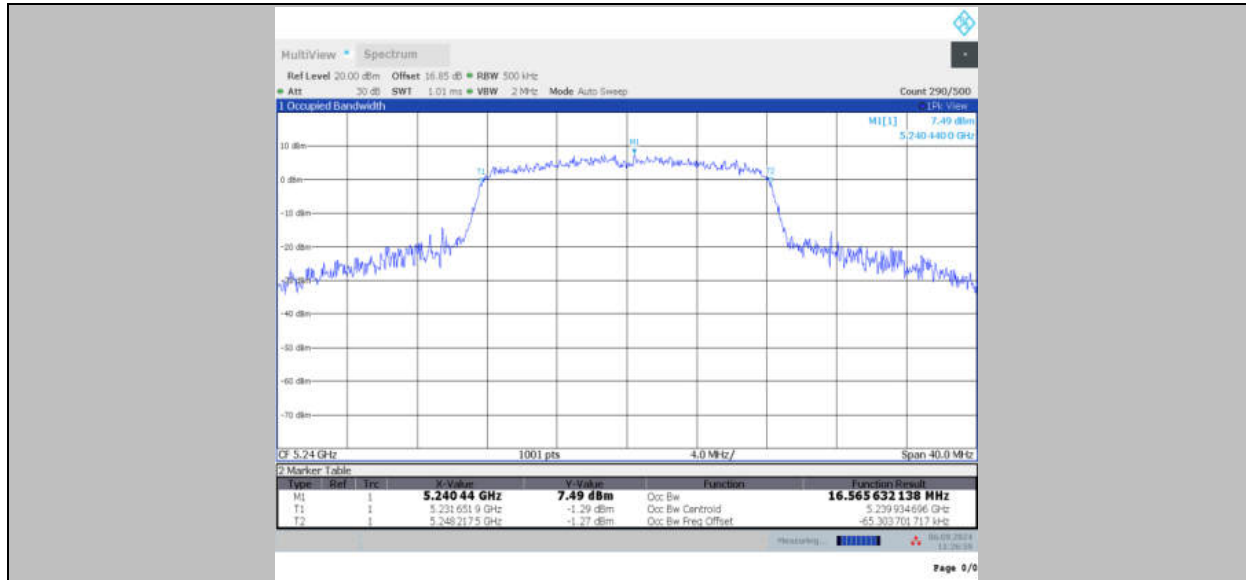
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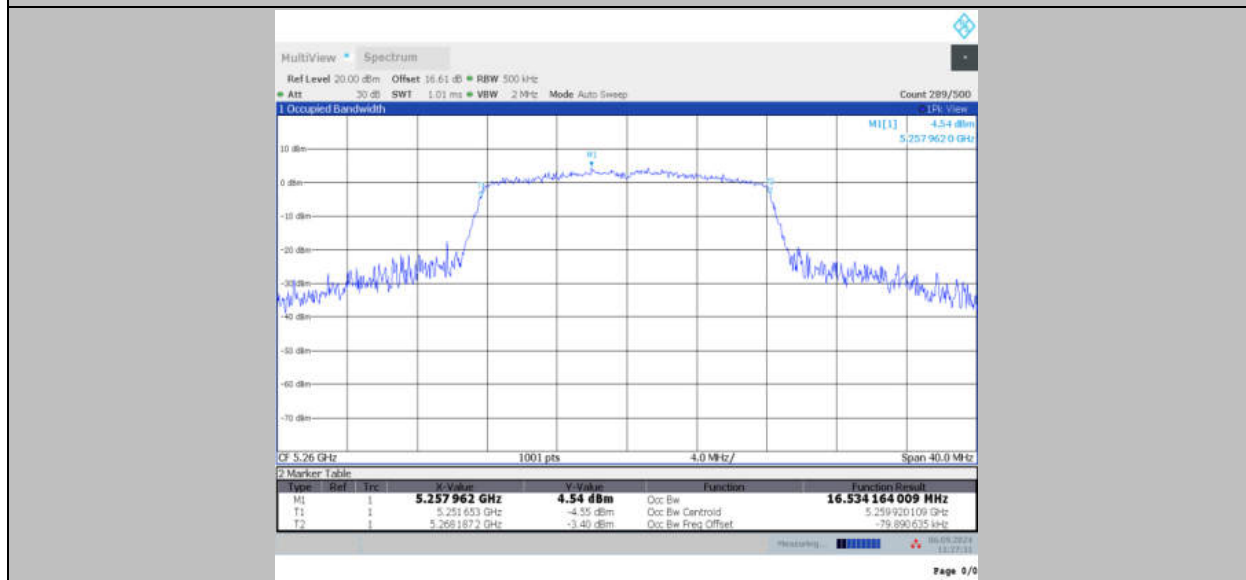
11A-CDD_Ant9_5240



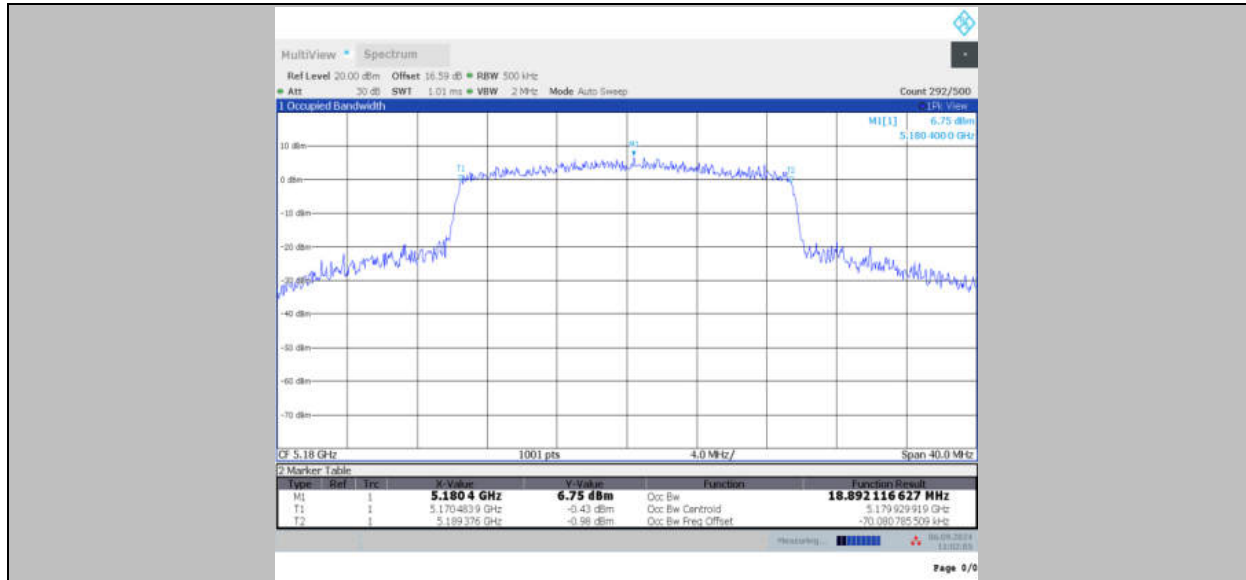
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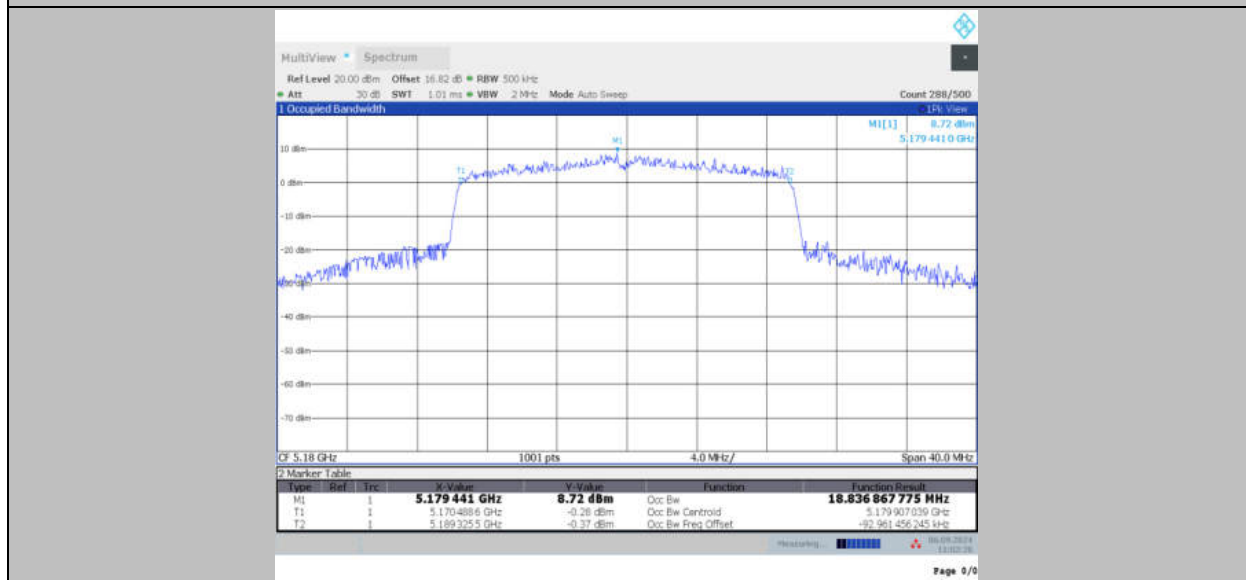
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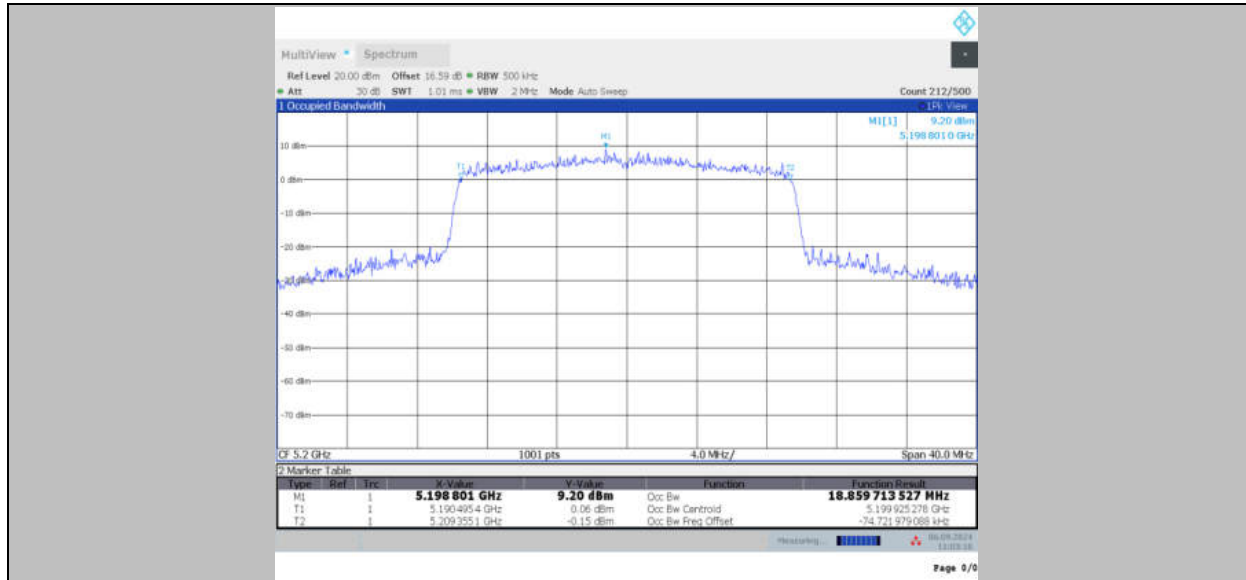
11BE20MIMO_Ant9_5180



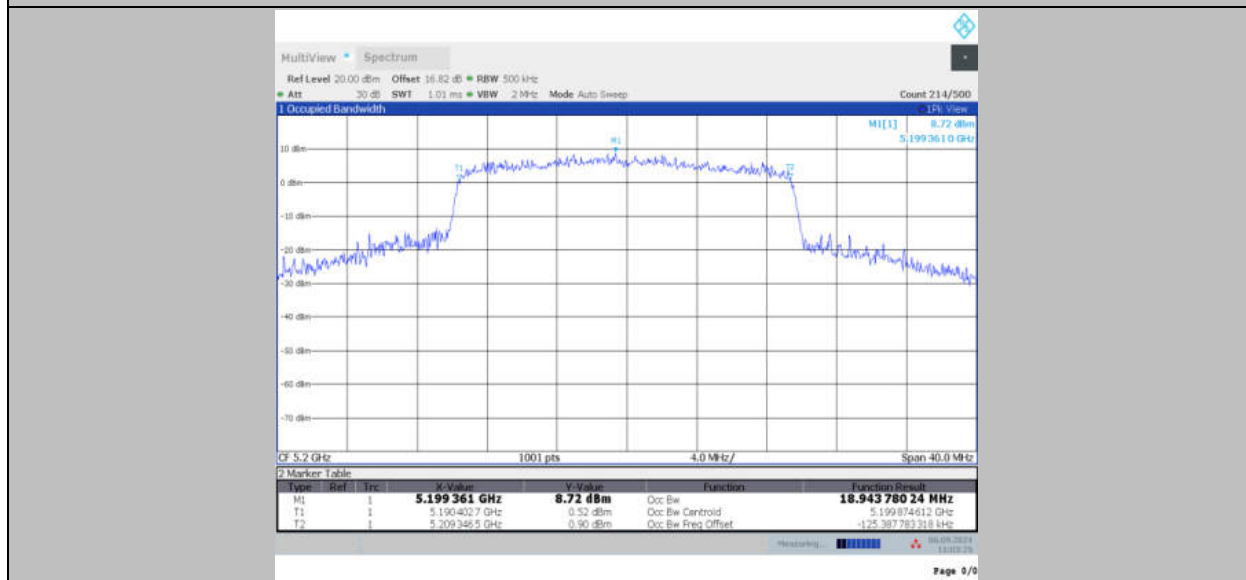
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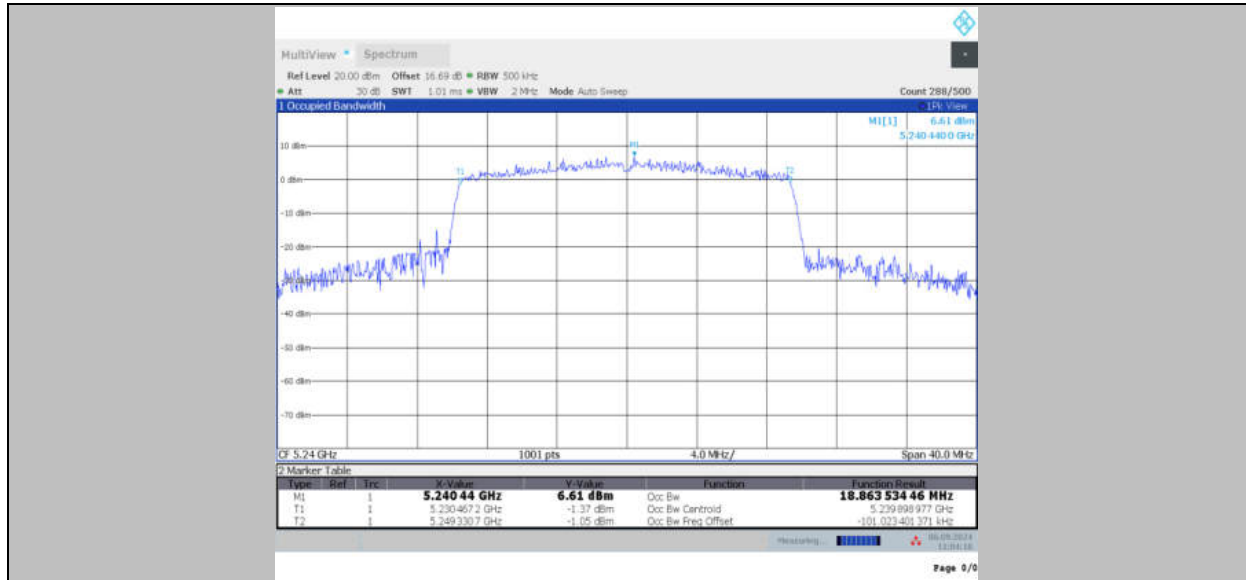
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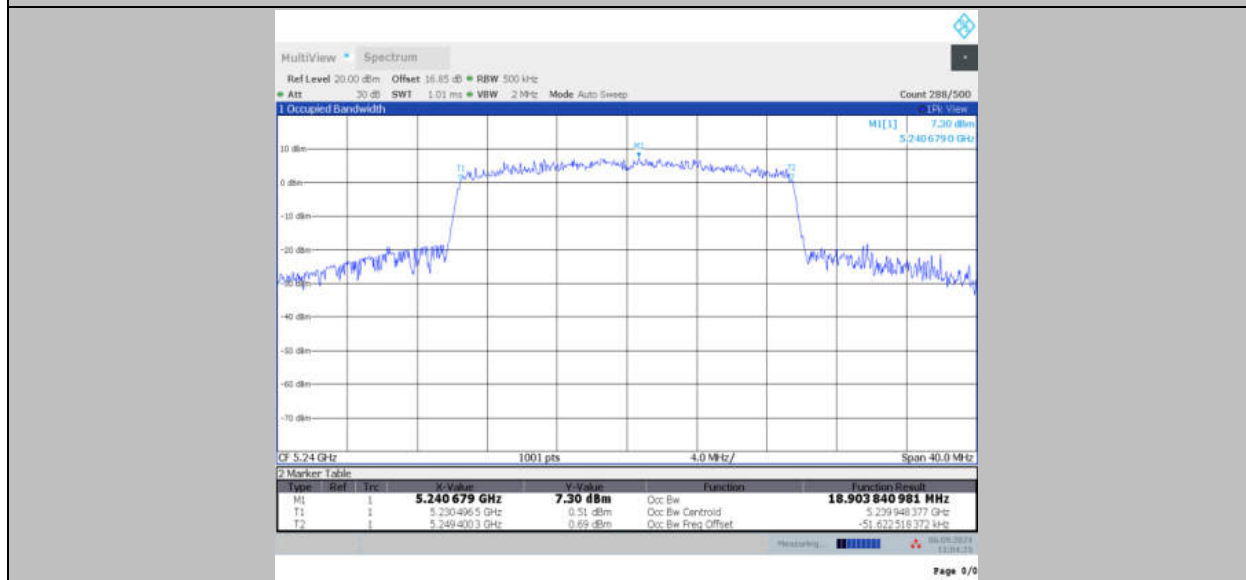
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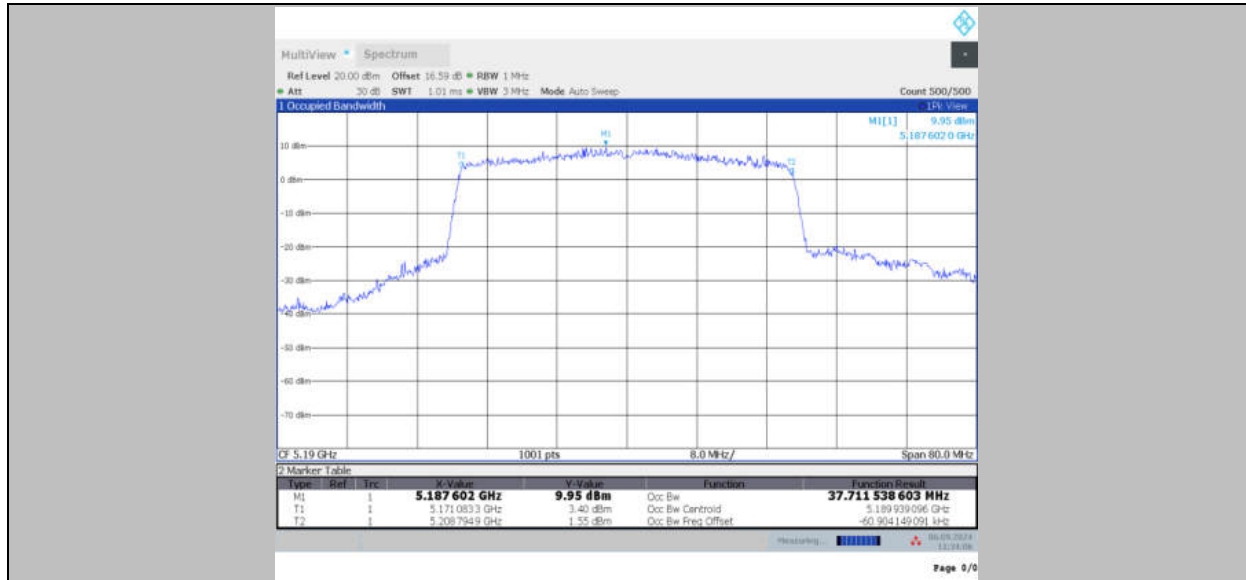
11BE20MIMO_Ant9_5240



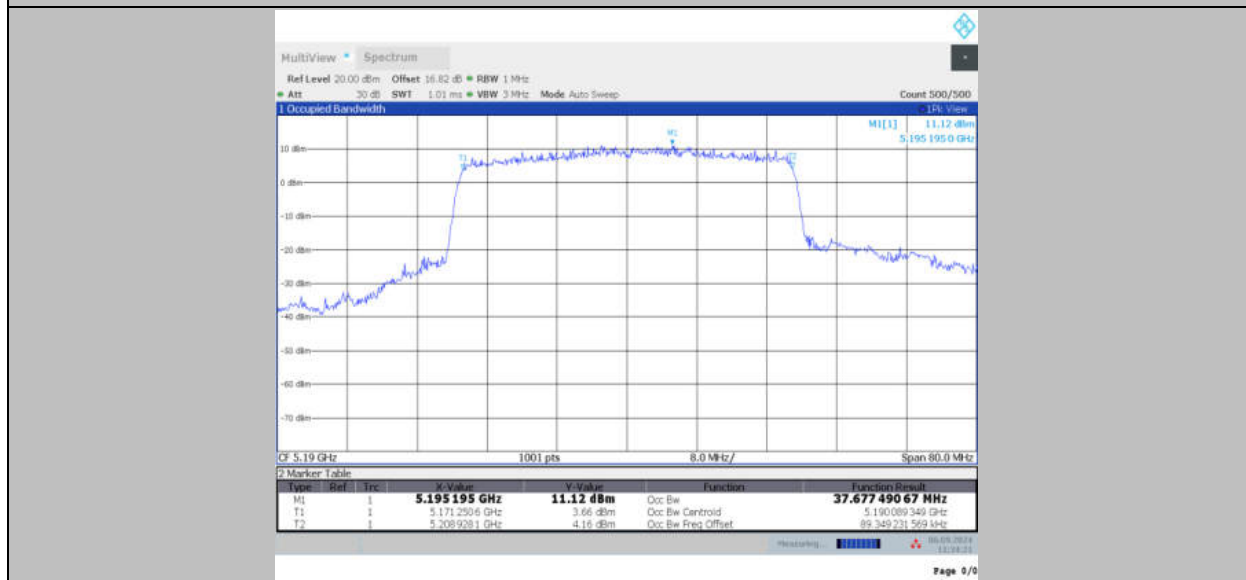
11BE20MIMO_Ant10_5240



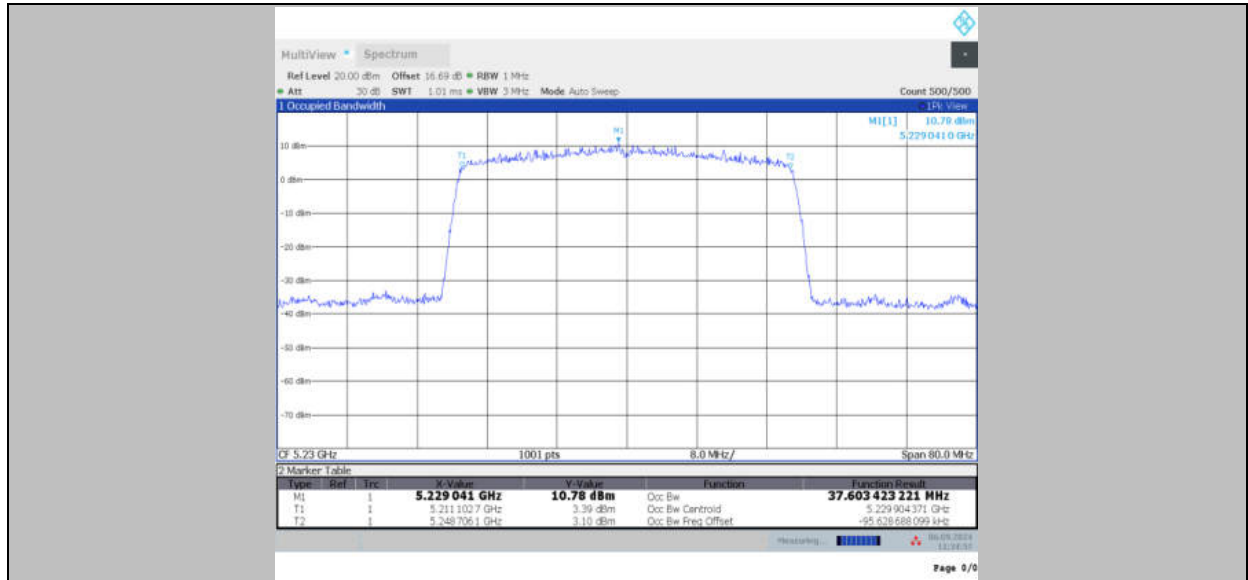
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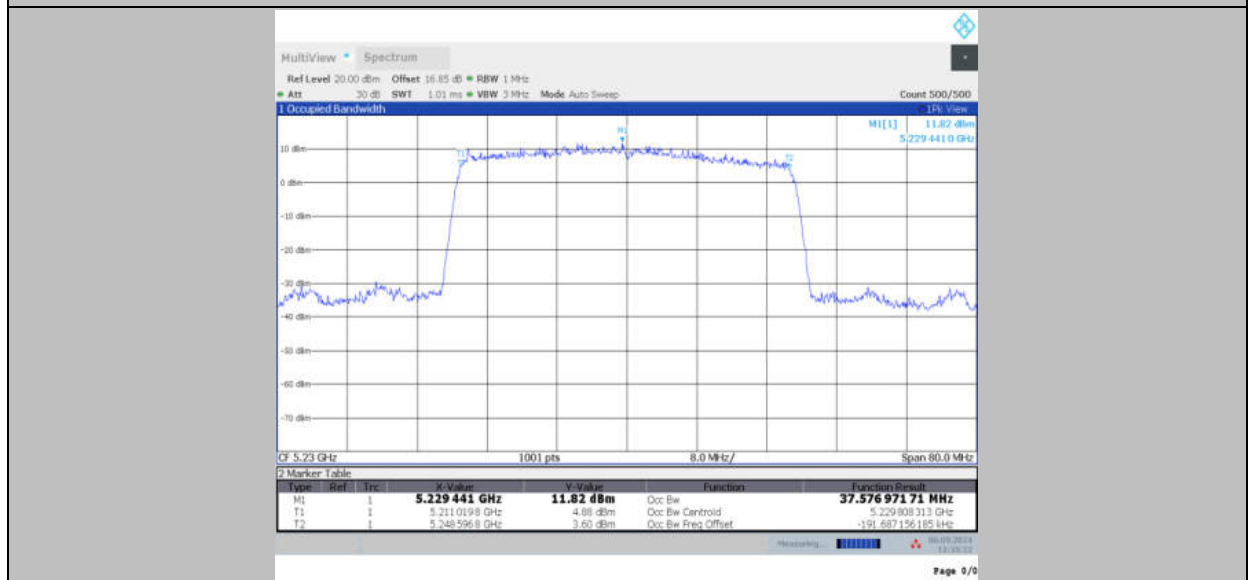
11AX40MIMO_Ant10_5190



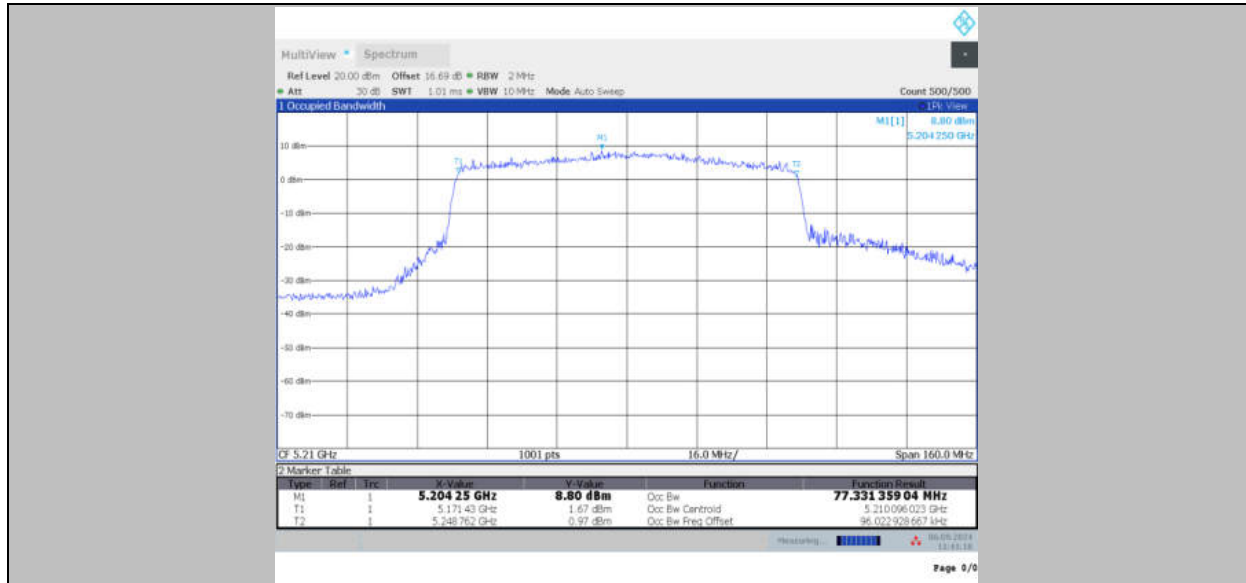
11AX40MIMO_Ant9_5230



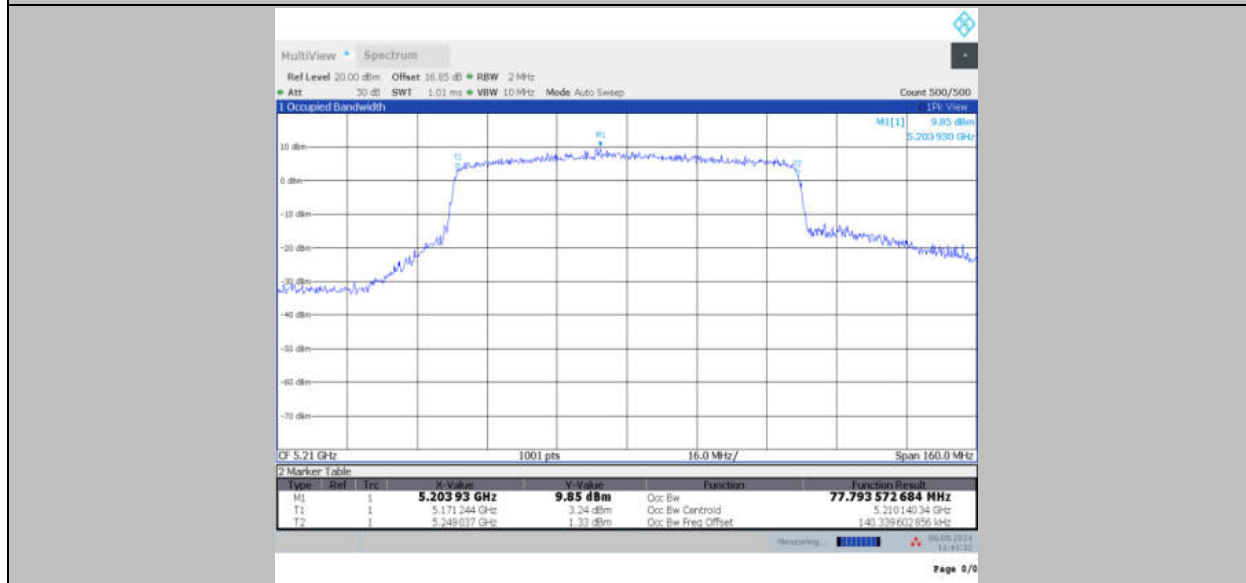
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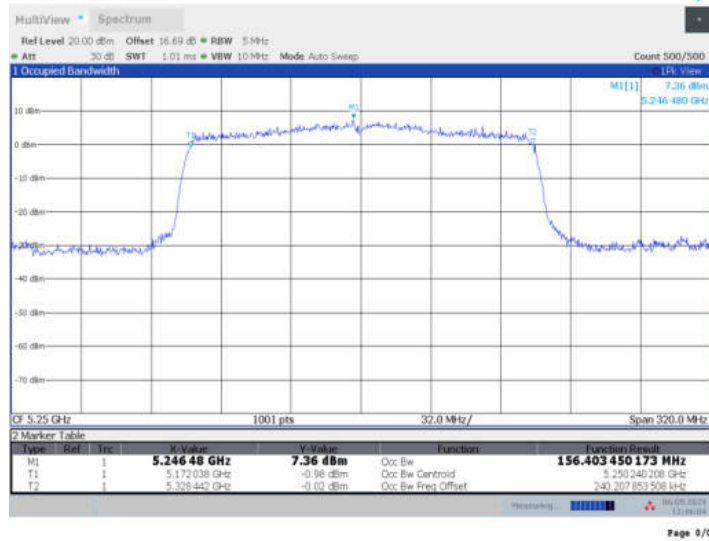
11AX80MIMO_Ant9_5210



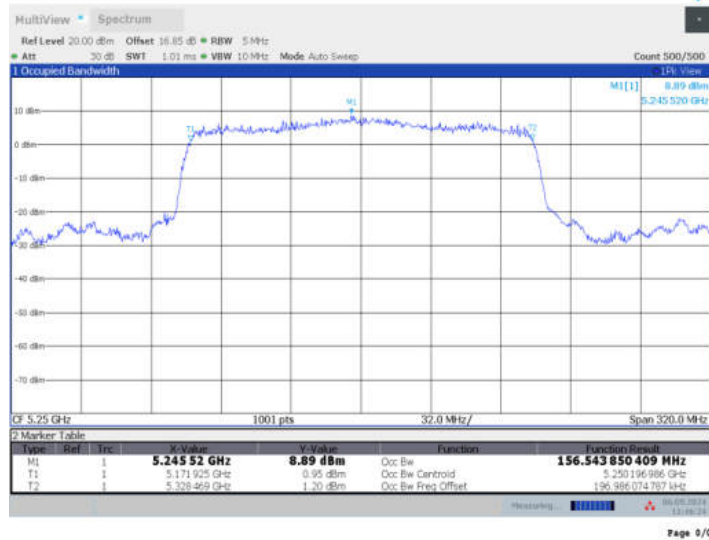
11AX80MIMO_Ant10_5210



11AX160MIMO_Ant9_5250



11AX160MIMO_Ant10_5250



Conclusion: PASS

A.8. Antenna Requirement

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.

The unit complies with the requirement of FCC Part 15.203.

A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

ANNEX B: EUT parameters

Disclaimer: The antenna gain and worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX C: Accreditation Certificate



*** END OF REPORT BODY ***