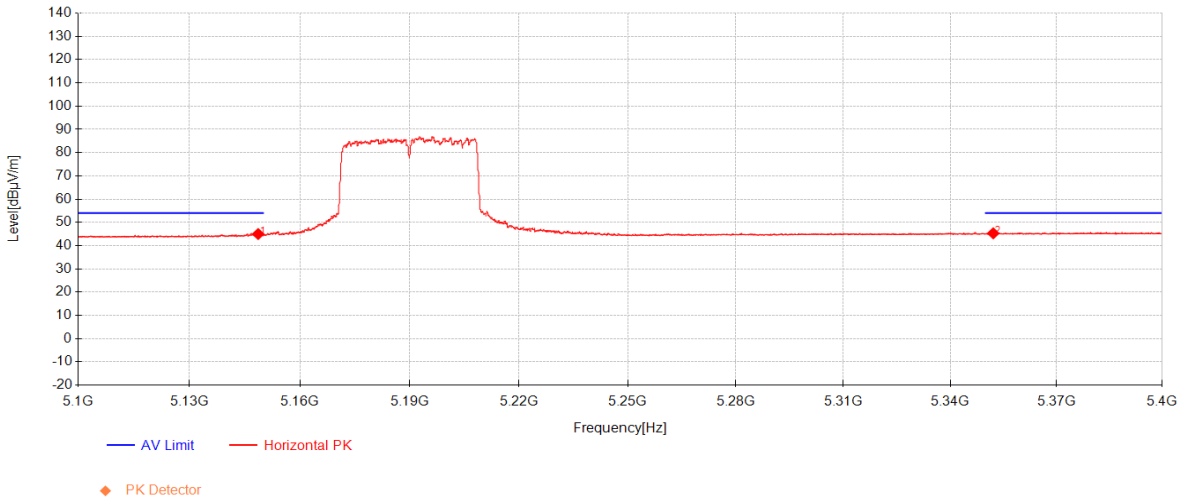
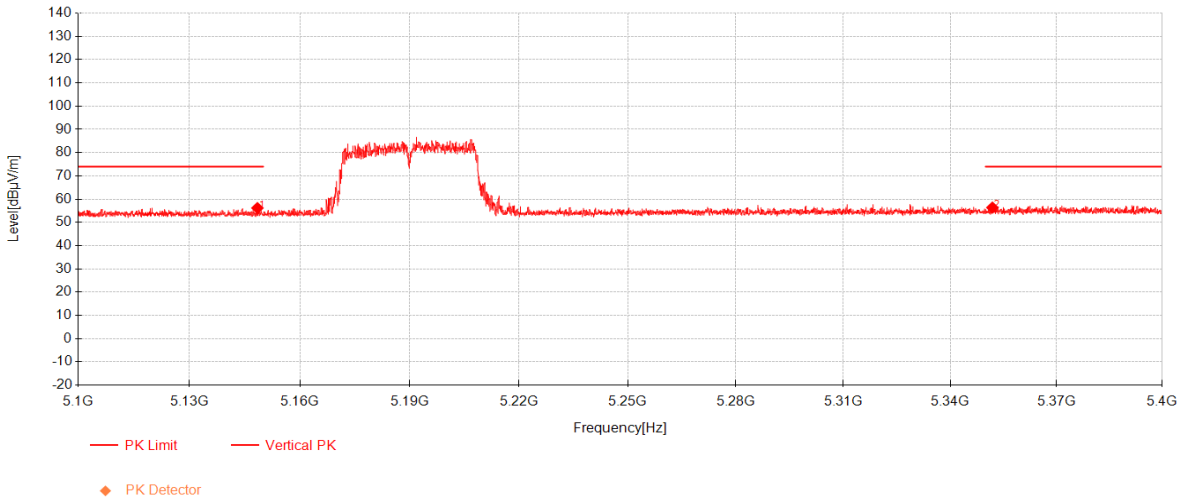
802.11ac40_Channel 38



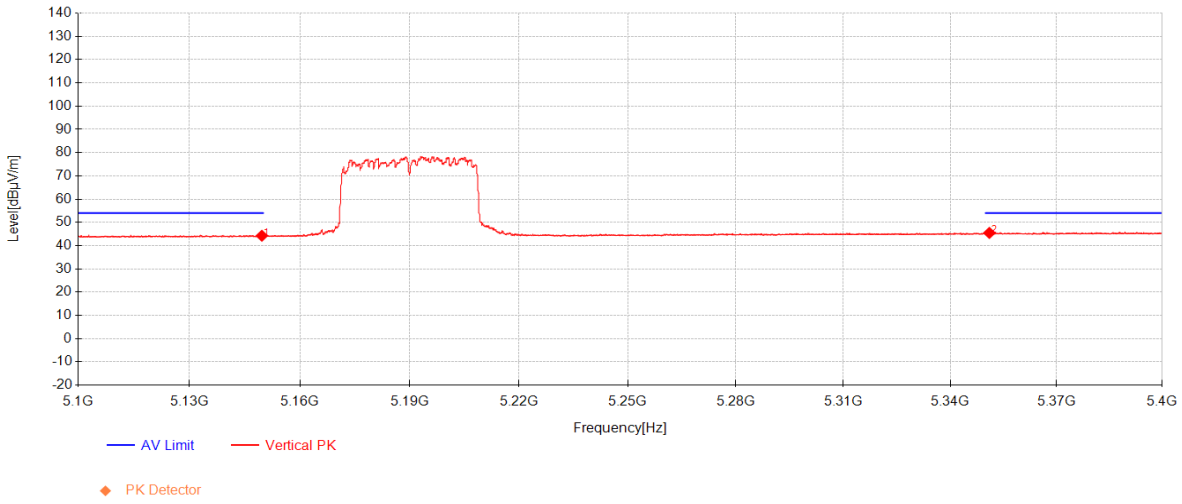
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.64	26.62	33.17	-14.80	44.99	54.00	9.01	Horizontal
2	5352.155	26.27	33.13	-14.10	45.30	54.00	8.70	Horizontal

802.11ac40_Channel 38



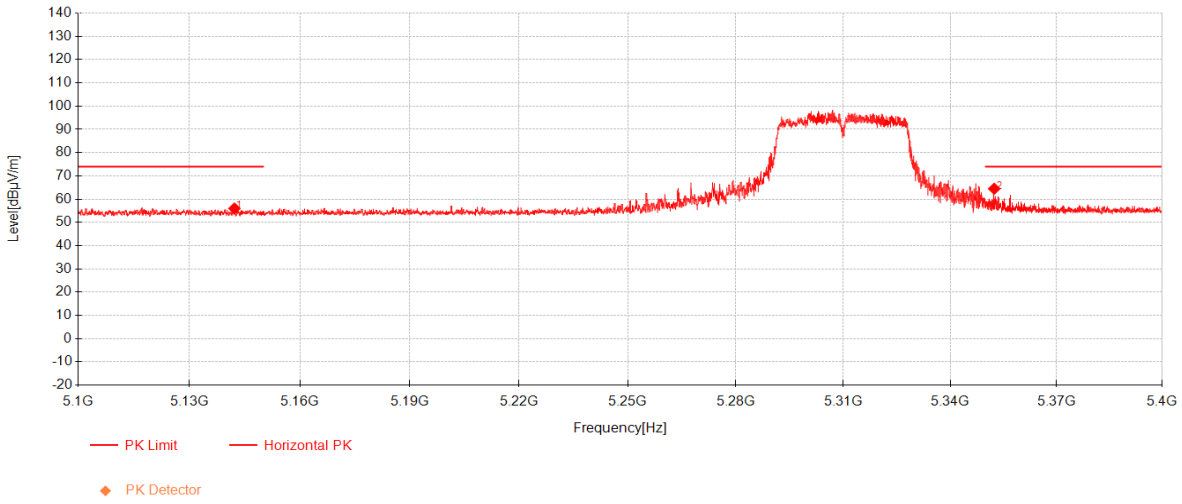
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.44	37.81	33.17	-14.80	56.18	74.00	17.82	Vertical
2	5351.91	37.34	33.13	-14.10	56.37	74.00	17.63	Vertical

802.11ac40_Channel 38



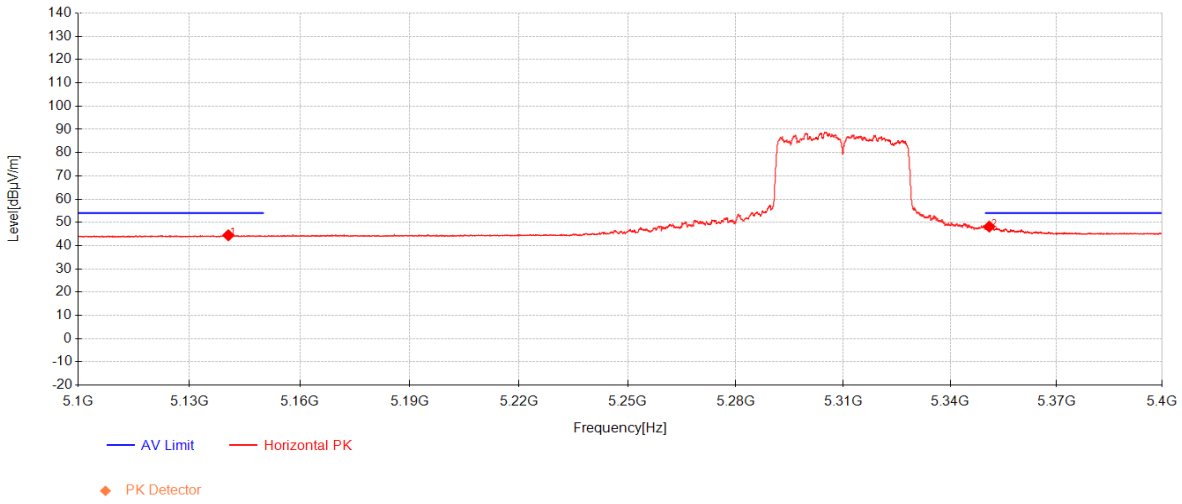
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.64	25.88	33.17	-14.79	44.26	54.00	9.74	Vertical
2	5351.07	26.44	33.13	-14.10	45.47	54.00	8.53	Vertical

802.11ac40_Channel 62



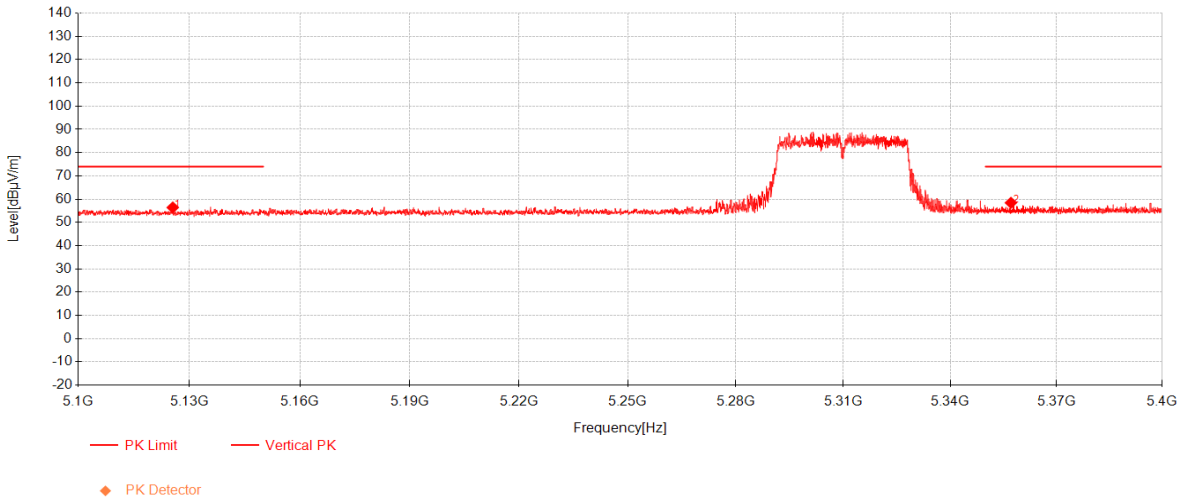
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5142.2	37.63	33.17	-14.82	55.98	74.00	18.02	Horizontal
2	5352.425	45.44	33.13	-14.10	64.47	74.00	9.53	Horizontal

802.11ac40_Channel 62



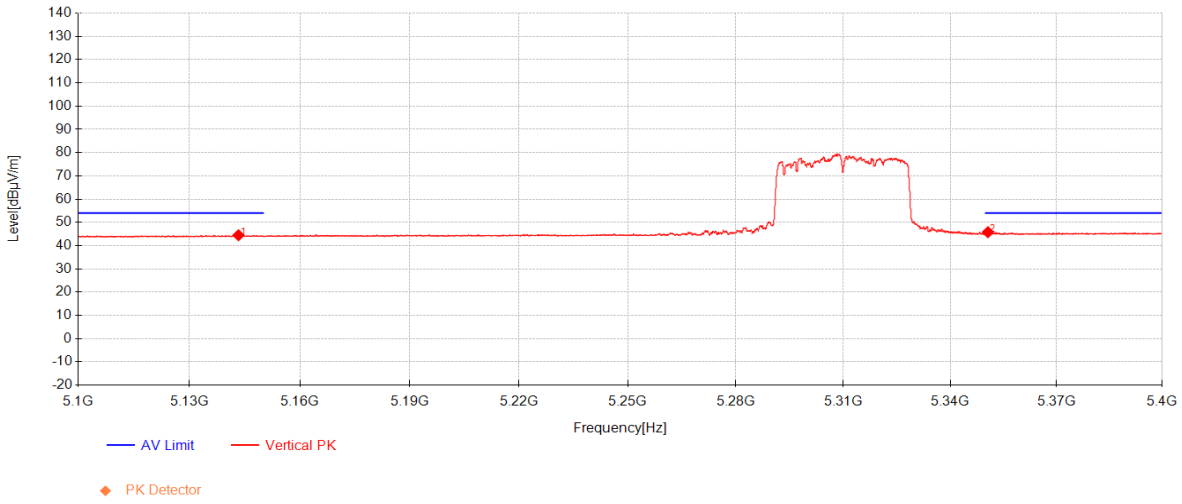
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5140.55	26.10	33.17	-14.83	44.44	54.00	9.56	Horizontal
2	5351.025	29.18	33.13	-14.10	48.21	54.00	5.79	Horizontal

802.11ac40_Channel 62



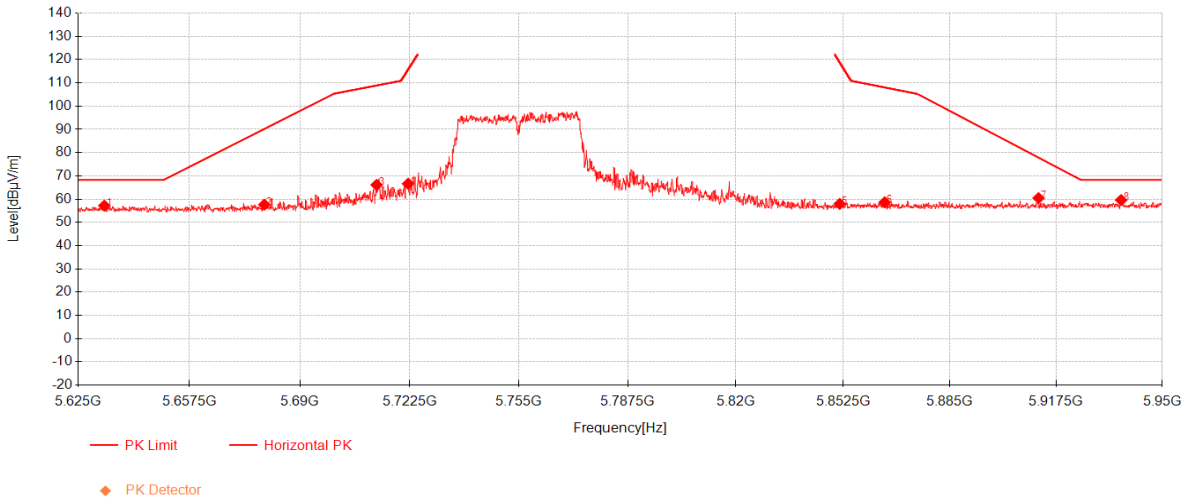
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5125.5	38.13	33.17	-14.90	56.41	74.00	17.59	Vertical
2	5357.15	39.42	33.13	-14.11	58.44	74.00	15.56	Vertical

802.11ac40_Channel 62



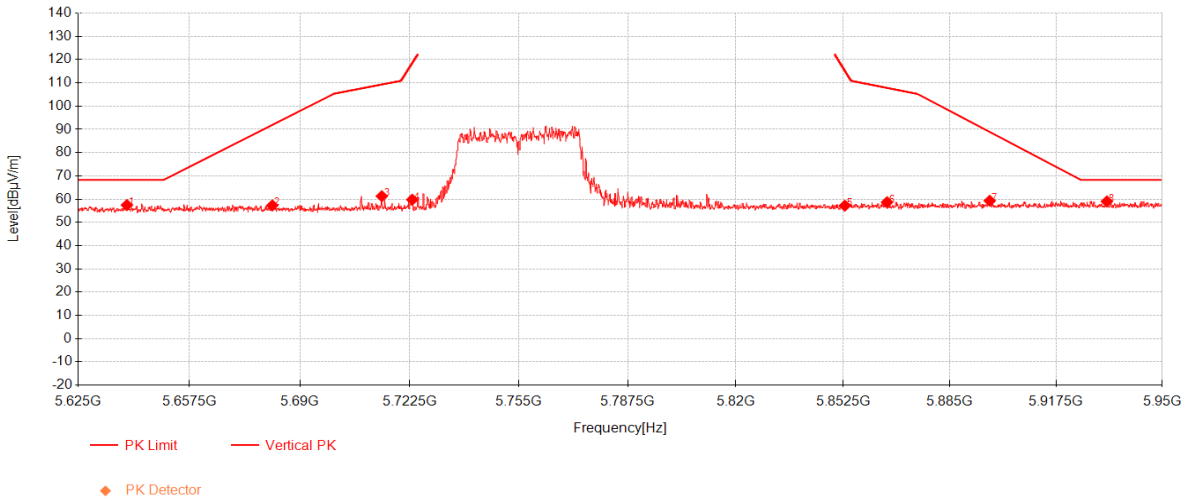
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5143.3	26.12	33.17	-14.82	44.47	54.00	9.53	Vertical
2	5350.65	26.75	33.13	-14.10	45.78	54.00	8.22	Vertical

802.11ac40_Channel 151



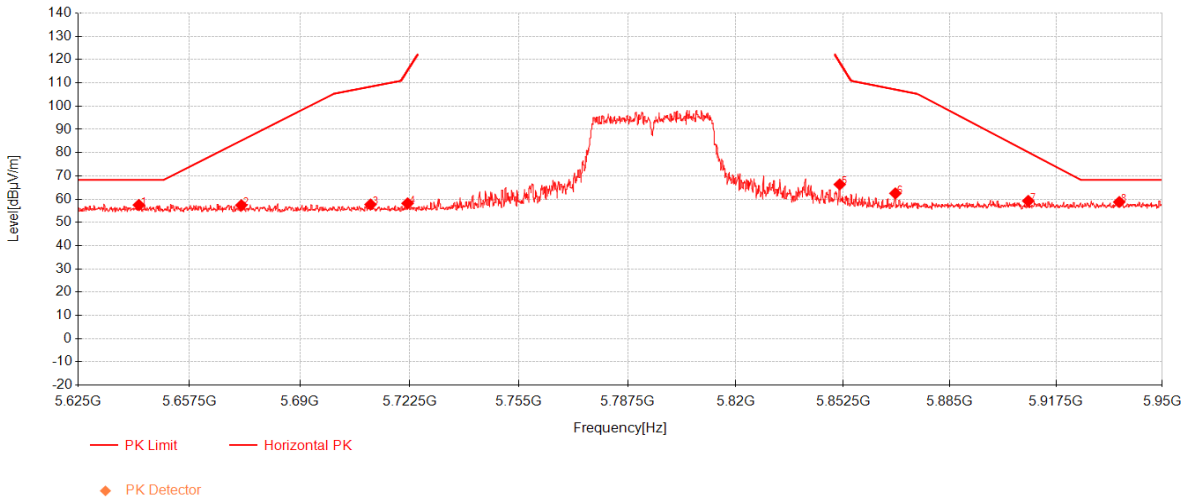
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5632.6375	37.33	33.55	-13.68	57.20	68.30	11.10	Horizontal
2	5679.5188	37.59	33.71	-13.67	57.63	90.18	32.55	Horizontal
3	5712.6688	45.95	33.82	-13.64	66.13	108.85	42.72	Horizontal
4	5722.0125	46.38	33.85	-13.62	66.61	115.49	48.88	Horizontal
5	5851.4438	36.86	34.29	-13.20	57.95	119.01	61.06	Horizontal
6	5865.0938	37.43	34.34	-13.13	58.64	108.07	49.43	Horizontal
7	5912.0562	38.95	34.50	-13.01	60.45	77.85	17.40	Horizontal
8	5937.4062	38.11	34.59	-13.10	59.60	68.30	8.70	Horizontal

802.11ac40_Channel 151



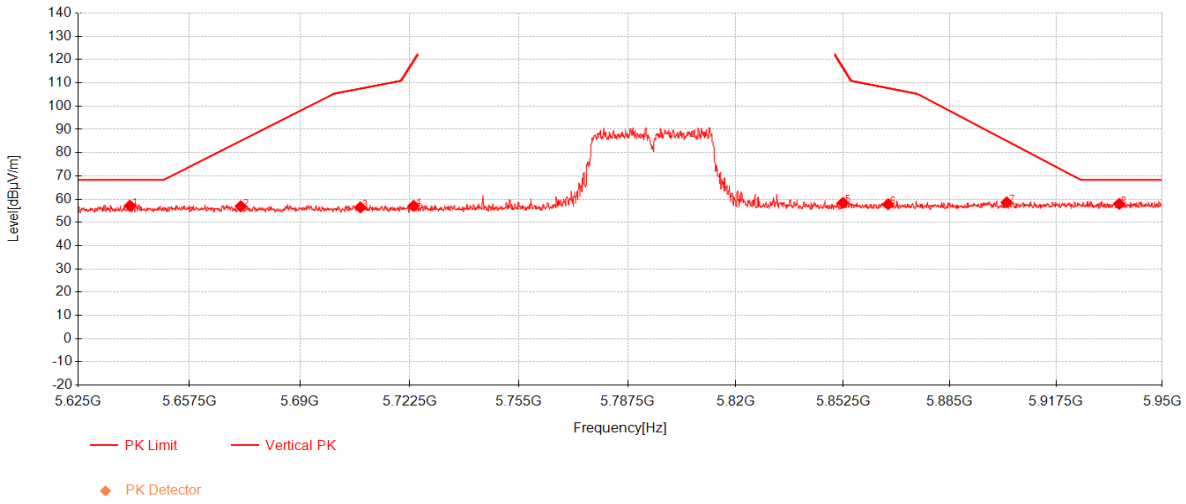
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5639.2188	37.55	33.57	-13.68	57.45	68.30	10.85	Vertical
2	5681.875	37.24	33.72	-13.67	57.29	91.93	34.64	Vertical
3	5714.2125	41.09	33.83	-13.64	61.28	109.28	48.00	Vertical
4	5723.2312	39.53	33.86	-13.62	59.77	118.27	58.50	Vertical
5	5852.9875	36.06	34.30	-13.20	57.17	115.49	58.32	Vertical
6	5865.825	37.47	34.34	-13.13	58.68	107.87	49.19	Vertical
7	5897.1062	37.81	34.45	-12.97	59.29	88.90	29.61	Vertical
8	5933.0188	37.53	34.57	-13.09	59.02	68.30	9.28	Vertical

802.11ac40_Channel 159



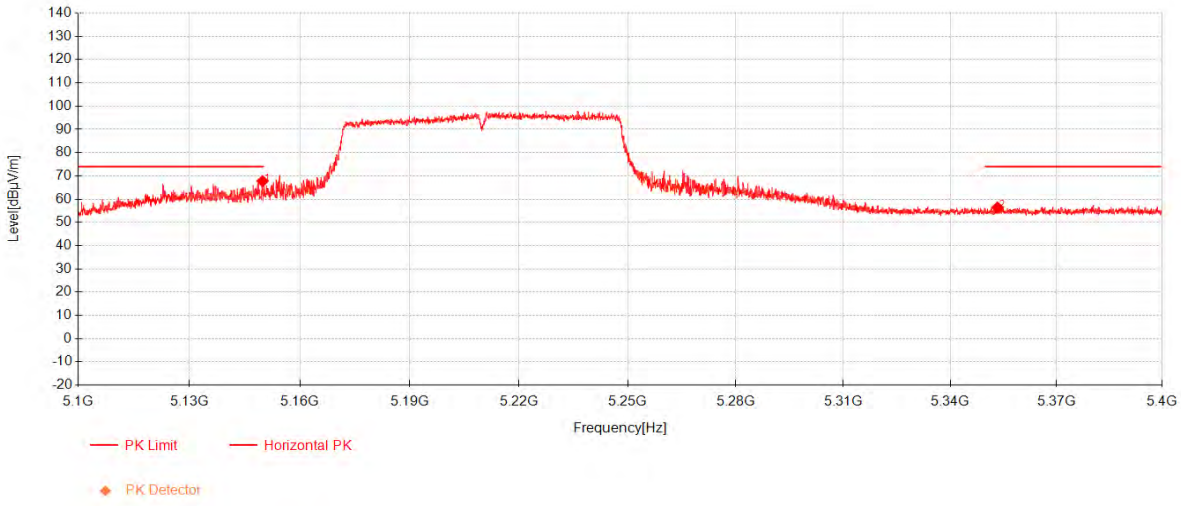
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5642.7125	37.57	33.59	-13.68	57.48	68.30	10.82	Horizontal
2	5672.775	37.38	33.69	-13.67	57.39	85.19	27.80	Horizontal
3	5710.8812	37.53	33.82	-13.65	57.70	108.35	50.65	Horizontal
4	5721.85	37.94	33.85	-13.62	58.17	115.12	56.95	Horizontal
5	5851.4438	45.23	34.29	-13.20	66.32	119.01	52.69	Horizontal
6	5868.3438	41.24	34.35	-13.12	62.47	107.16	44.69	Horizontal
7	5908.8875	37.75	34.49	-12.99	59.25	80.19	20.94	Horizontal
8	5936.8375	37.29	34.59	-13.10	58.78	68.30	9.52	Horizontal

802.11ac40_Channel 159



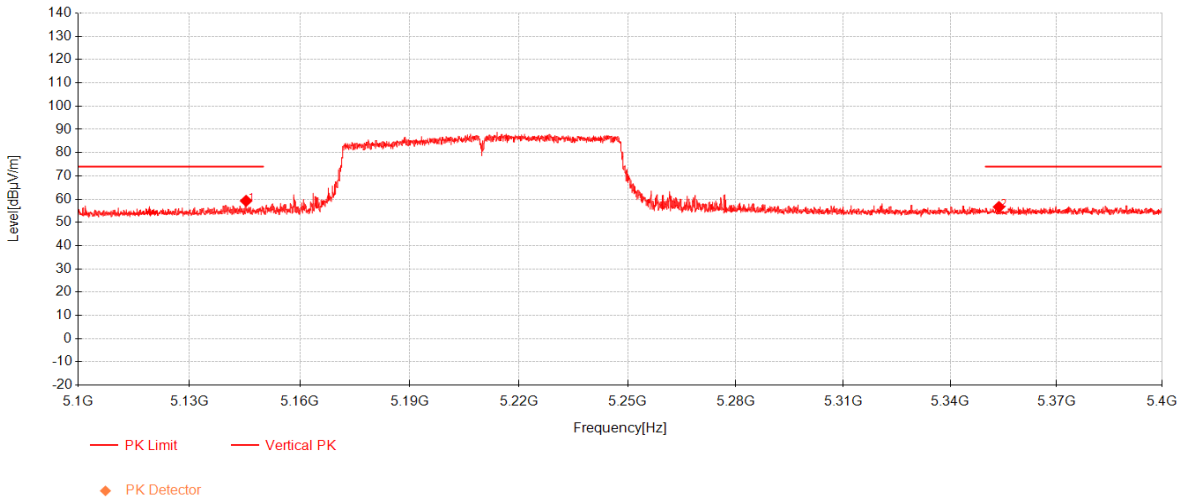
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5640.1125	37.28	33.58	-13.68	57.18	68.30	11.12	Vertical
2	5672.6125	36.90	33.69	-13.67	56.91	85.07	28.16	Vertical
3	5707.875	36.33	33.81	-13.65	56.48	107.51	51.03	Vertical
4	5723.6375	36.86	33.86	-13.62	57.10	119.19	62.09	Vertical
5	5852.4188	37.33	34.30	-13.20	58.43	116.78	58.35	Vertical
6	5866.15	36.61	34.34	-13.13	57.83	107.78	49.95	Vertical
7	5902.3062	37.10	34.47	-12.97	58.60	85.05	26.45	Vertical
8	5936.8375	36.49	34.59	-13.10	57.98	68.30	10.32	Vertical

802.11ac80_Channel 42



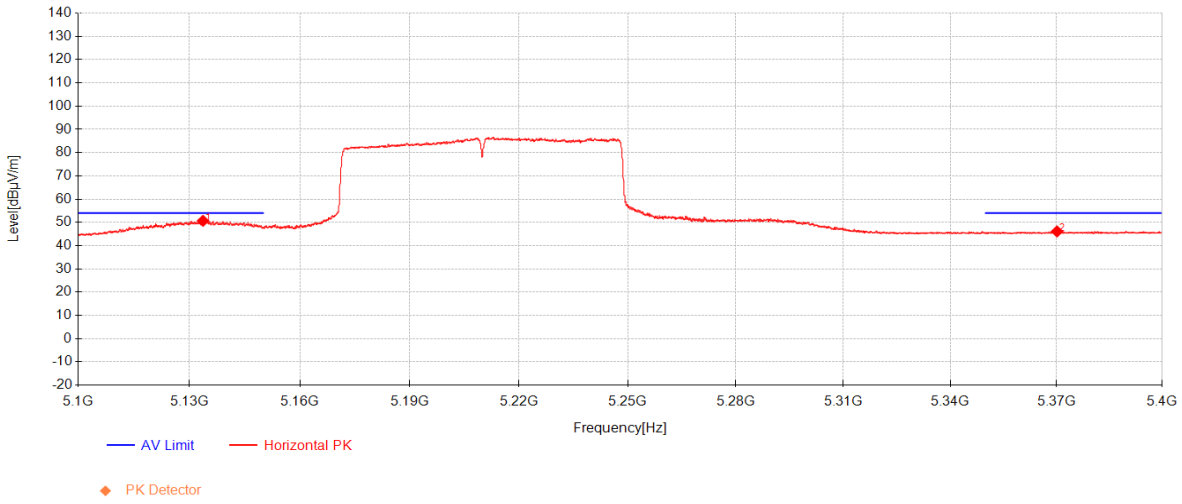
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.84	49.35	33.17	-14.79	67.73	74.00	6.27	Horizontal
2	5353.345	37.42	33.13	-14.10	56.45	74.00	17.55	Horizontal

802.11ac80_Channel 42



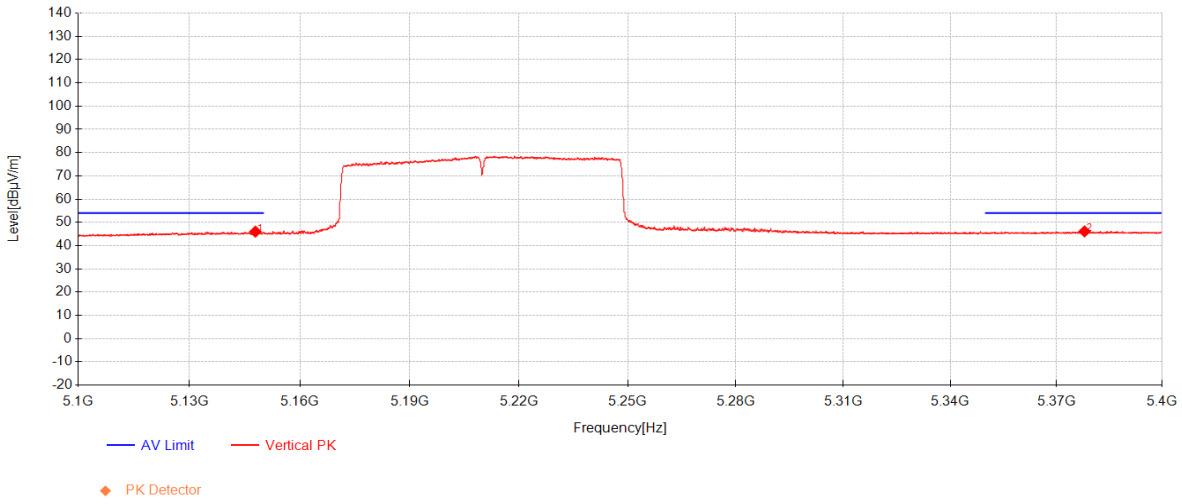
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5145.36	40.91	33.17	-14.81	59.27	74.00	14.73	Vertical
2	5353.765	37.61	33.13	-14.10	56.64	74.00	17.36	Vertical

802.11ac80_Channel 42



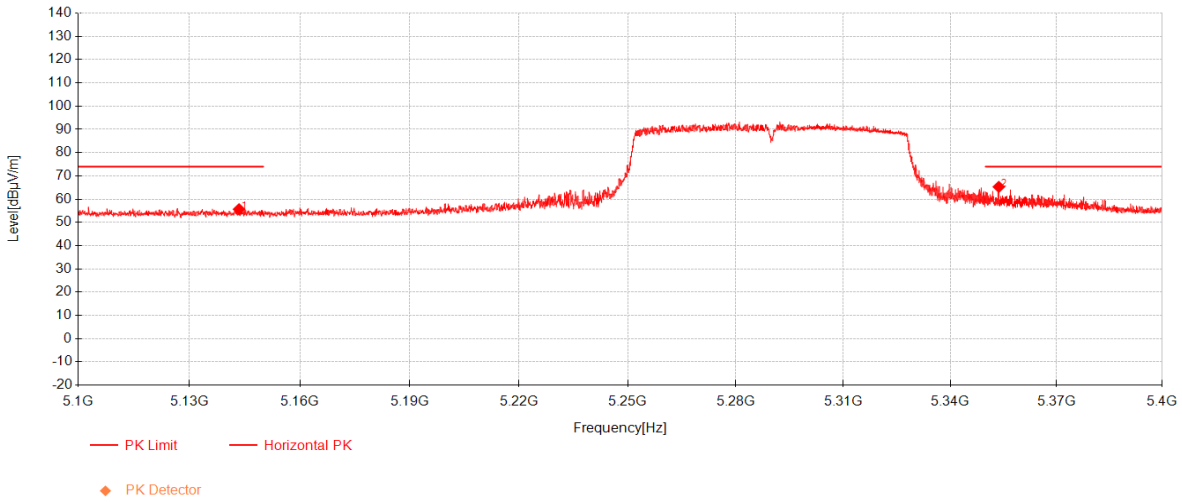
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5133.68	32.36	33.17	-14.86	50.67	54.00	3.33	Horizontal
2	5370.18	27.12	33.13	-14.14	46.11	54.00	7.89	Horizontal

802.11ac80_Channel 42



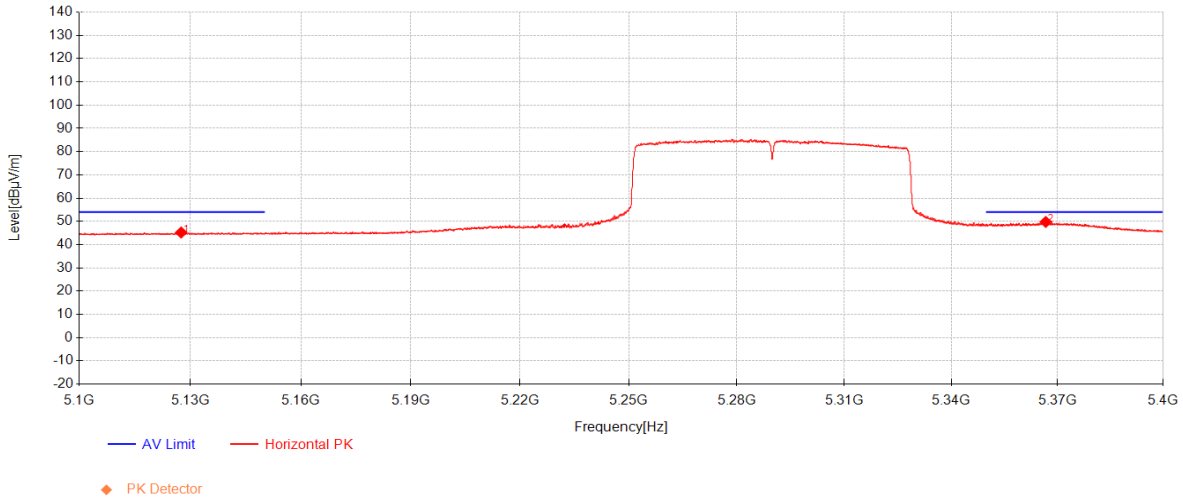
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.88	27.65	33.17	-14.80	46.02	54.00	7.98	Vertical
2	5377.985	27.16	33.12	-14.15	46.13	54.00	7.87	Vertical

802.11ac80_Channel 58



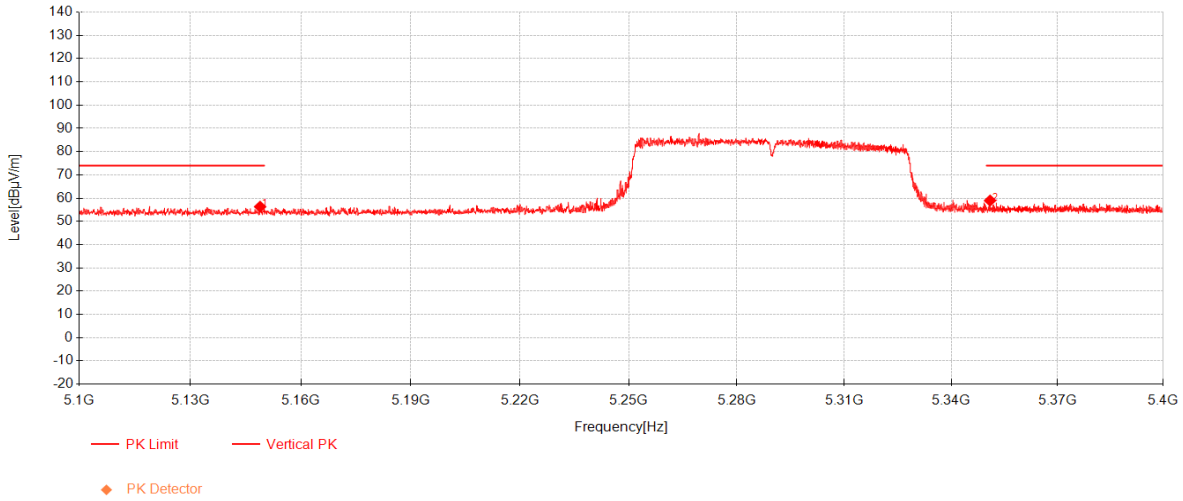
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5143.45	37.30	33.17	-14.82	55.65	74.00	18.35	Horizontal
2	5353.725	46.24	33.13	-14.10	65.27	74.00	8.73	Horizontal

802.11ac80_Channel 58



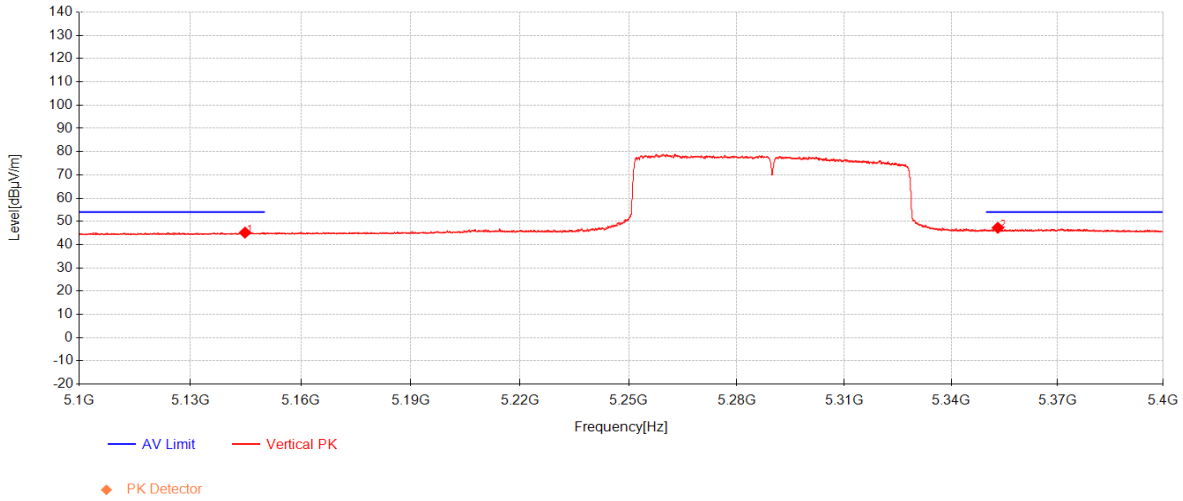
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5127.5	26.93	33.17	-14.89	45.22	54.00	8.78	Horizontal
2	5366.7	30.75	33.13	-14.13	49.75	54.00	4.25	Horizontal

802.11ac80_Channel 58



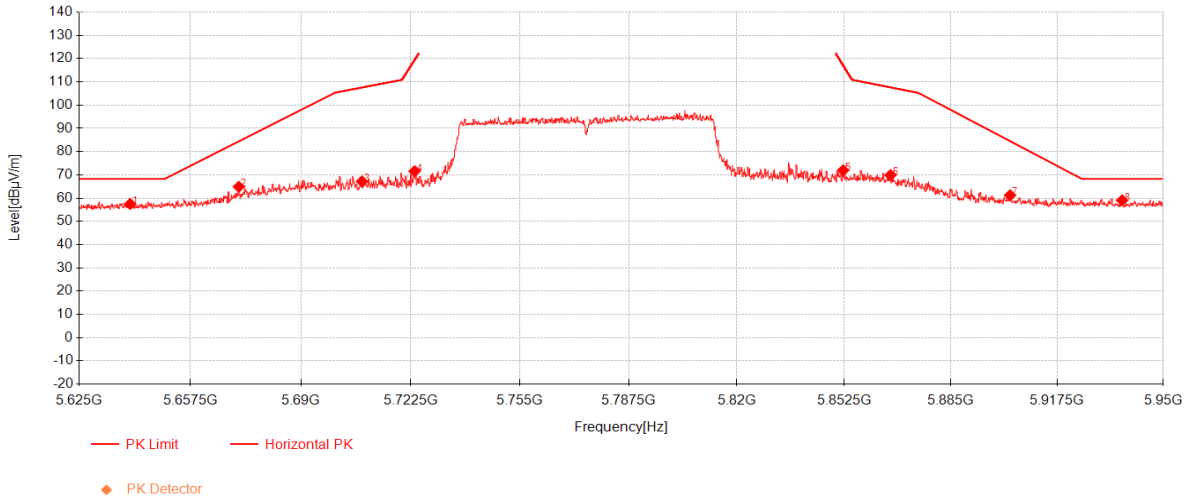
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.9	37.92	33.17	-14.79	56.30	74.00	17.70	Vertical
2	5350.975	39.93	33.13	-14.10	58.96	74.00	15.04	Vertical

802.11ac80_Channel 58



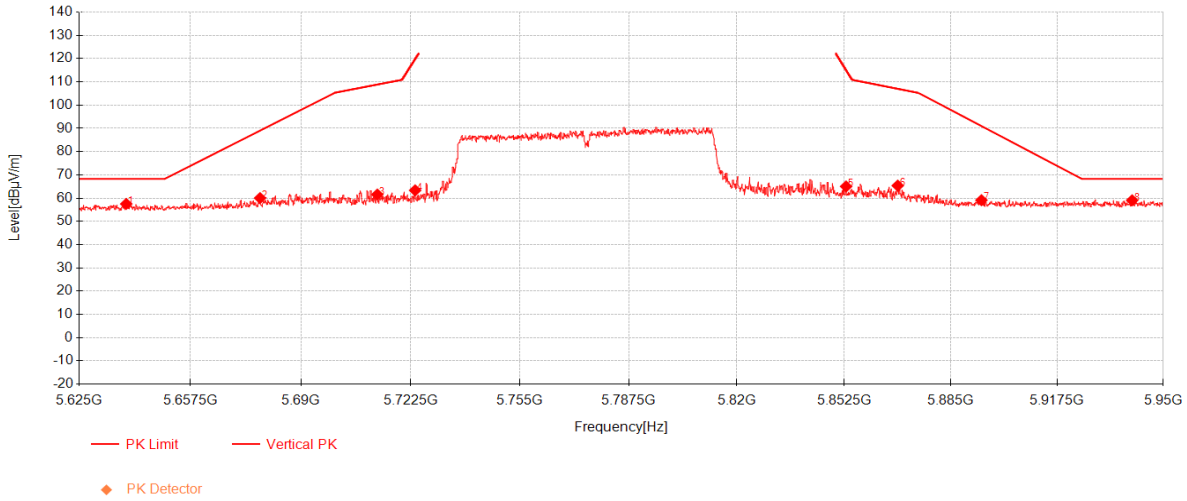
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5144.8	26.81	33.17	-14.81	45.17	54.00	8.83	Vertical
2	5353.175	28.23	33.13	-14.10	47.26	54.00	6.74	Vertical

802.11ac80_Channel 155



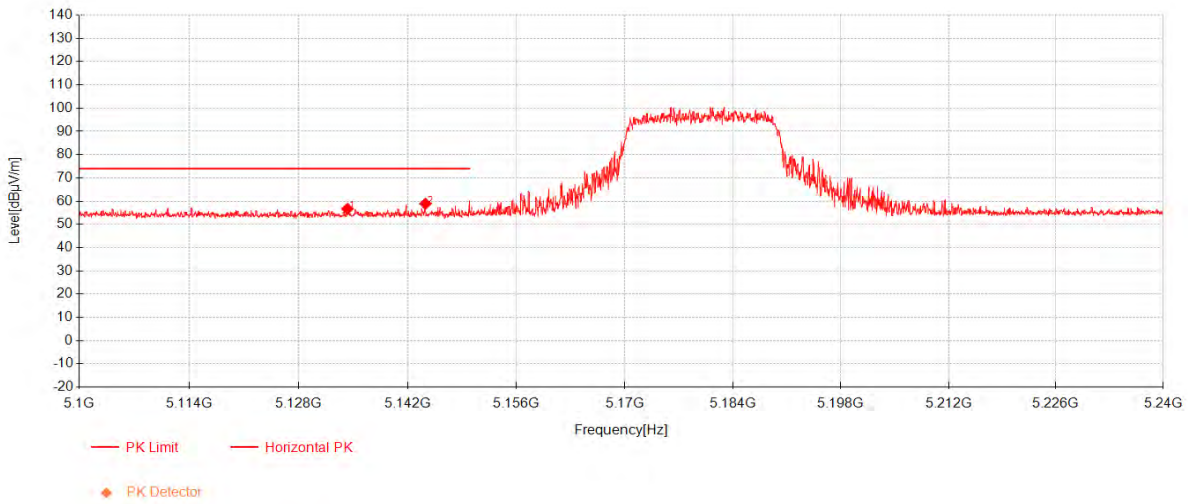
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5639.8688	37.61	33.58	-13.68	57.51	68.30	10.79	Horizontal
2	5671.7188	44.90	33.68	-13.67	64.91	84.41	19.50	Horizontal
3	5708.0375	47.04	33.81	-13.65	67.19	107.55	40.36	Horizontal
4	5723.6375	51.35	33.86	-13.62	71.59	119.19	47.60	Horizontal
5	5852.175	50.84	34.30	-13.20	71.94	117.34	45.40	Horizontal
6	5866.5562	48.70	34.35	-13.13	69.92	107.66	37.74	Horizontal
7	5903.0375	39.75	34.47	-12.97	61.25	84.51	23.26	Horizontal
8	5937.4062	37.57	34.59	-13.10	59.06	68.30	9.24	Horizontal

802.11ac80_Channel 155



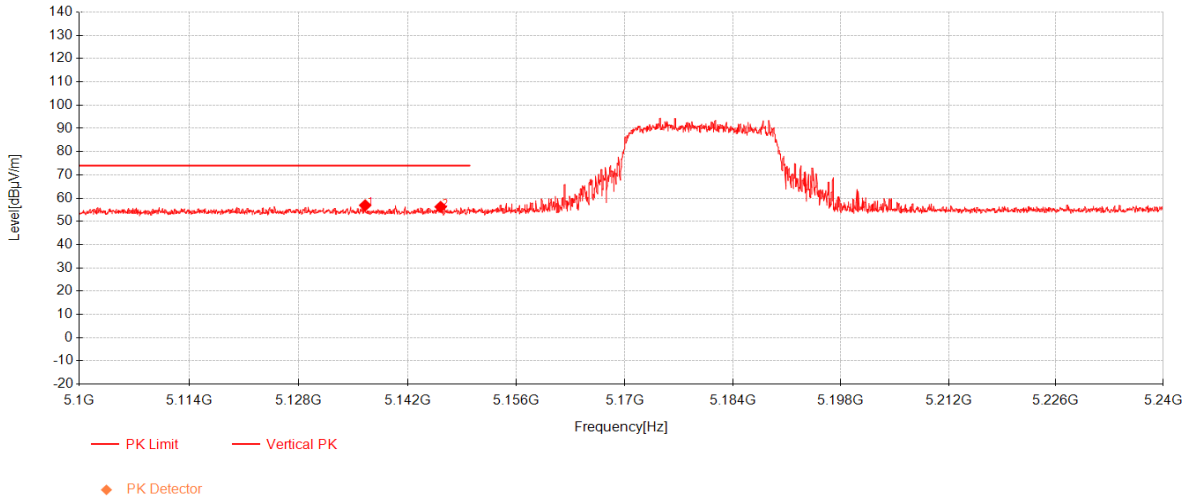
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5638.7312	37.61	33.57	-13.68	57.51	68.30	10.79	Vertical
2	5677.975	40.00	33.71	-13.67	60.03	89.04	29.01	Vertical
3	5712.5875	41.37	33.82	-13.64	61.55	108.83	47.28	Vertical
4	5723.8	43.10	33.86	-13.62	63.34	119.56	56.22	Vertical
5	5853.0688	43.92	34.30	-13.19	65.03	115.30	50.27	Vertical
6	5868.75	44.13	34.35	-13.12	65.37	107.05	41.68	Vertical
7	5894.2625	37.66	34.44	-12.99	59.11	91.01	31.90	Vertical
8	5940.4938	37.59	34.60	-13.11	59.07	68.30	9.23	Vertical

802.11ax20_Channel 36



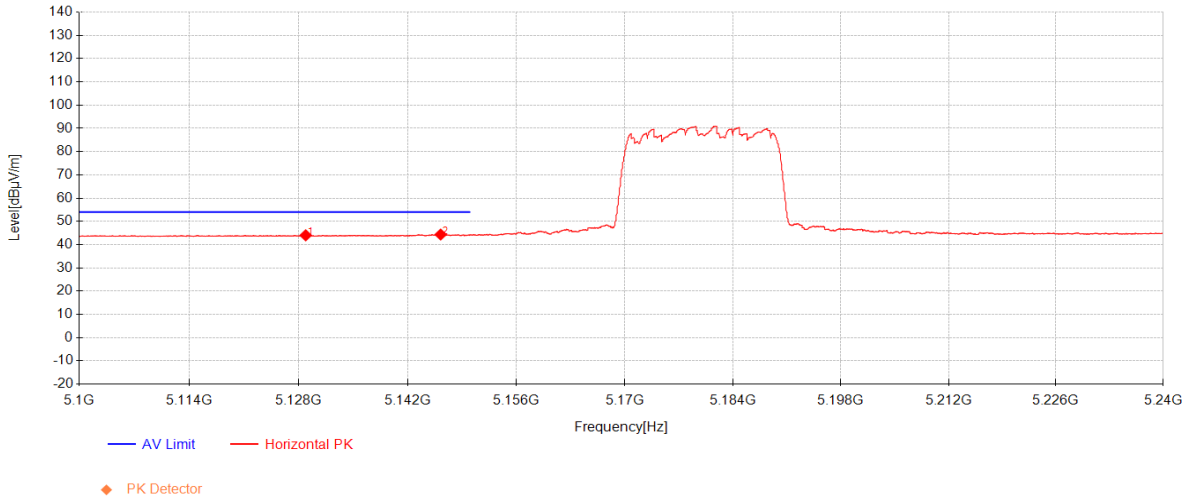
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5134.3	38.38	33.17	-14.86	56.69	74.00	17.31	Horizontal
2	5144.31	40.50	33.17	-14.82	58.86	74.00	15.14	Horizontal

802.11ax20_Channel 36



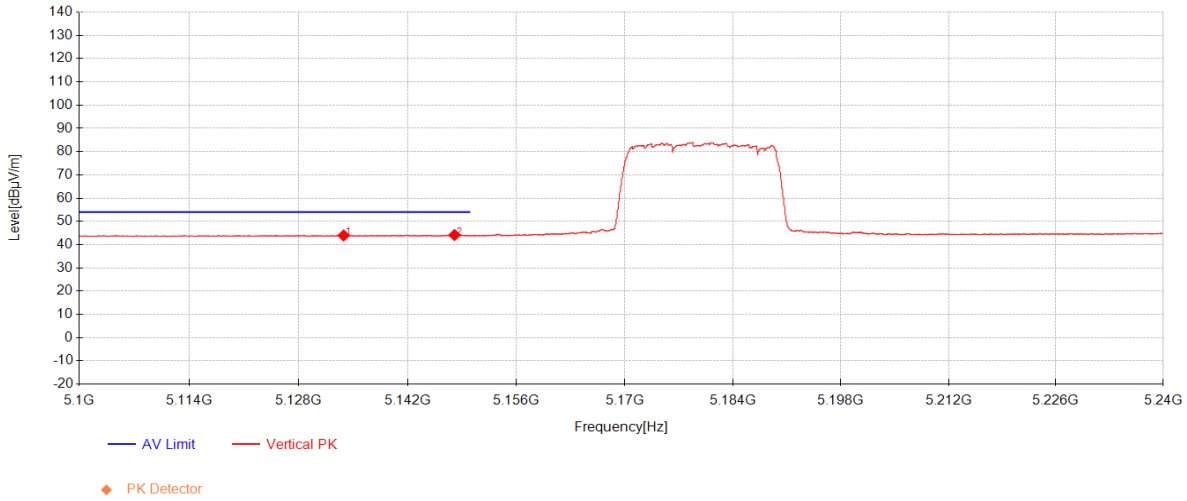
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5136.575	38.60	33.17	-14.85	56.92	74.00	17.08	Vertical
2	5146.27	37.89	33.17	-14.81	56.25	74.00	17.75	Vertical

802.11ax20_Channel 36



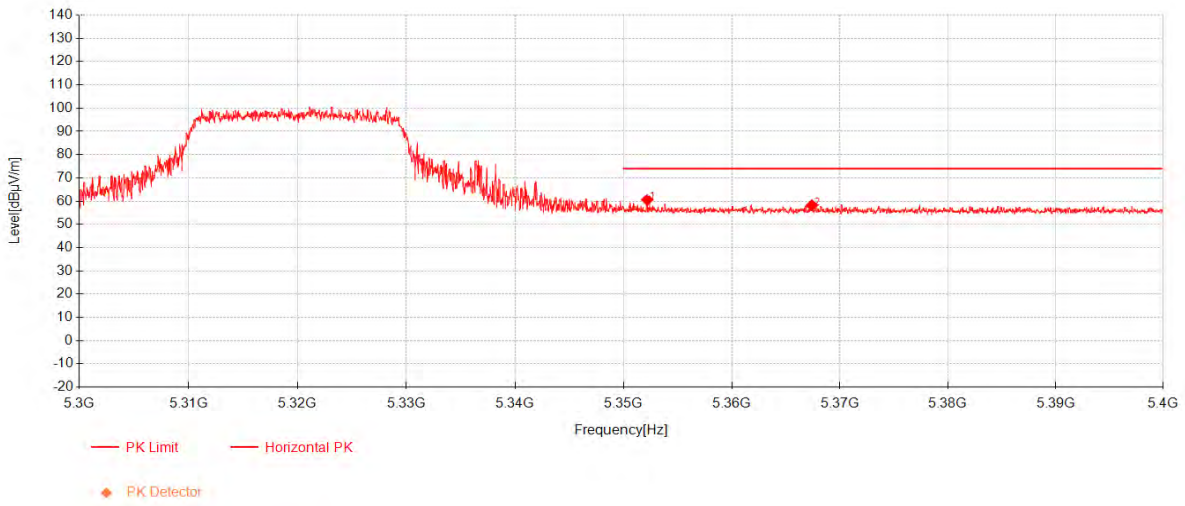
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5128.945	25.72	33.17	-14.88	44.01	54.00	9.99	Horizontal
2	5146.27	25.99	33.17	-14.81	44.35	54.00	9.65	Horizontal

802.11ax20_Channel 36



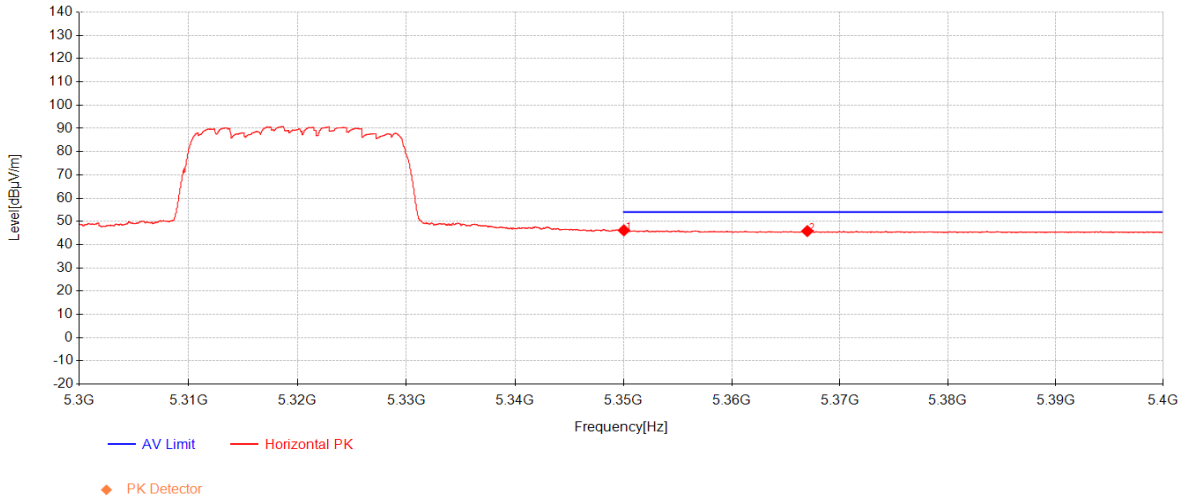
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5133.81	25.64	33.17	-14.86	43.95	54.00	10.05	Vertical
2	5148.055	25.77	33.17	-14.80	44.14	54.00	9.86	Vertical

802.11ax20_Channel 64



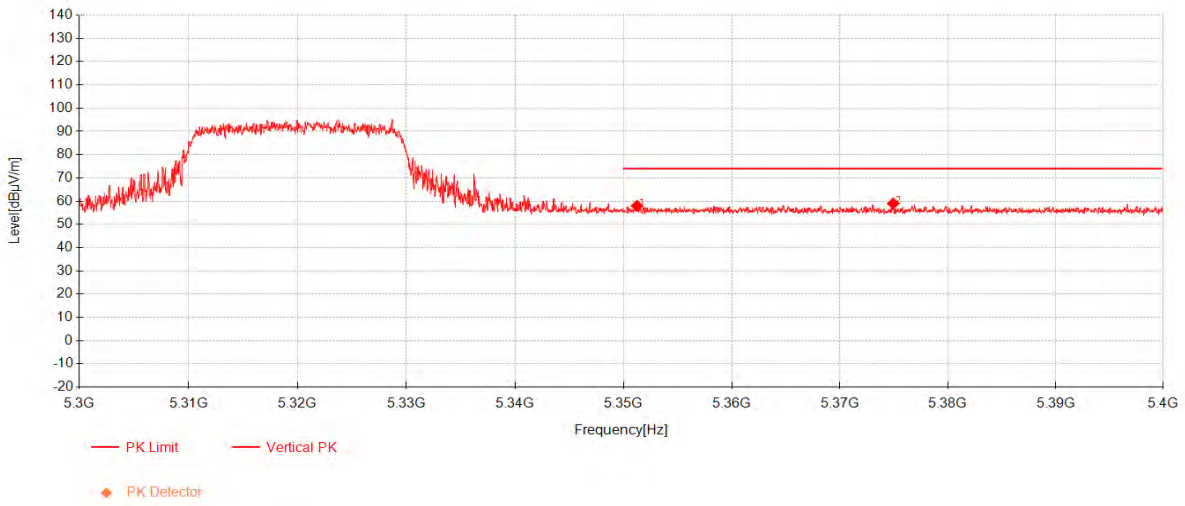
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5352.175	41.56	33.13	-14.10	60.59	74.00	13.41	Horizontal
2	5367.4	39.20	33.13	-14.13	58.19	74.00	15.81	Horizontal

802.11ax20_Channel 64



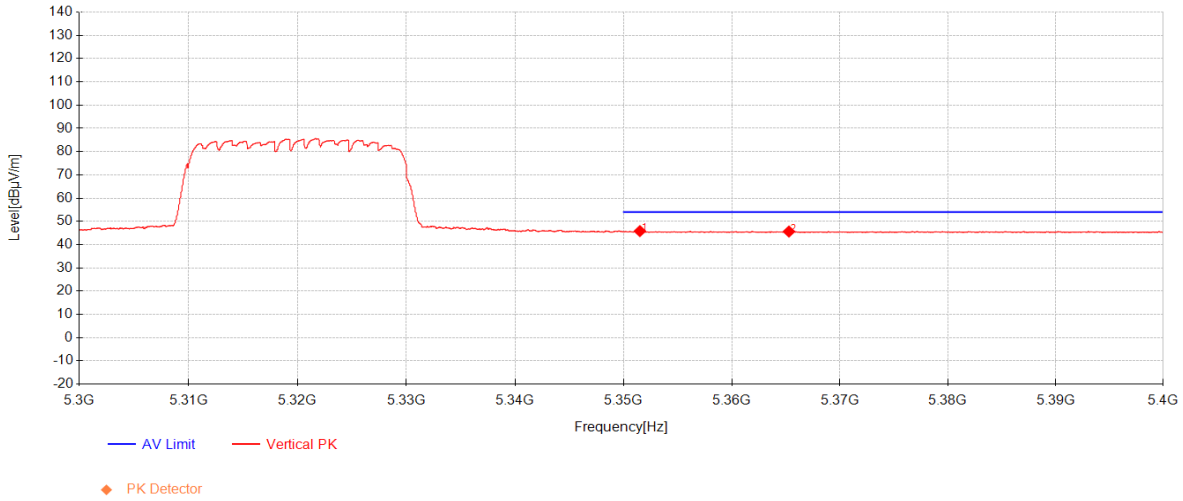
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.025	27.12	33.13	-14.10	46.15	54.00	7.85	Horizontal
2	5366.975	26.82	33.13	-14.13	45.82	54.00	8.18	Horizontal

802.11ax20_Channel 64



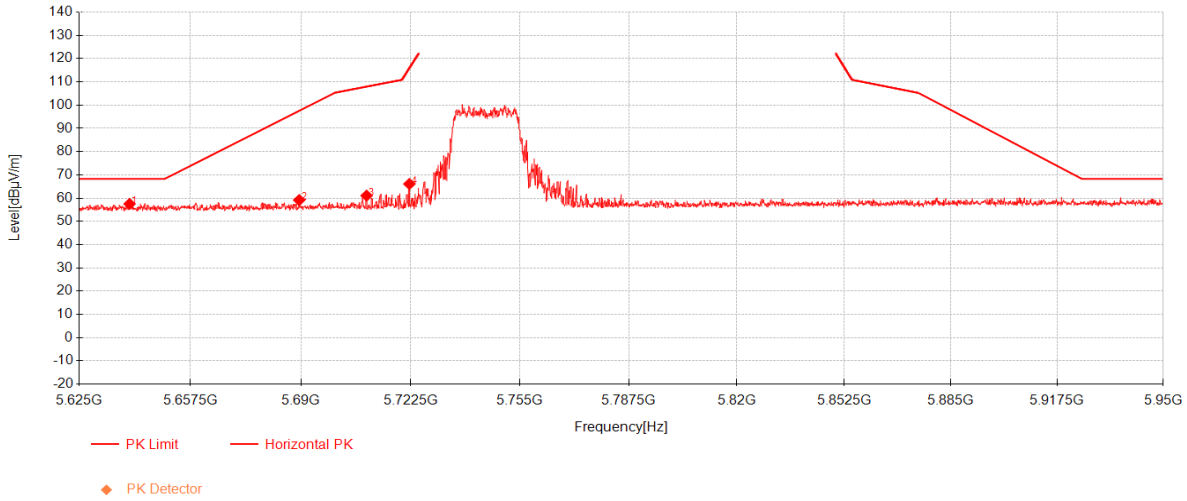
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5351.225	38.92	33.13	-14.10	57.95	74.00	16.05	Vertical
2	5374.925	39.99	33.13	-14.15	58.97	74.00	15.03	Vertical

802.11ax20_Channel 64



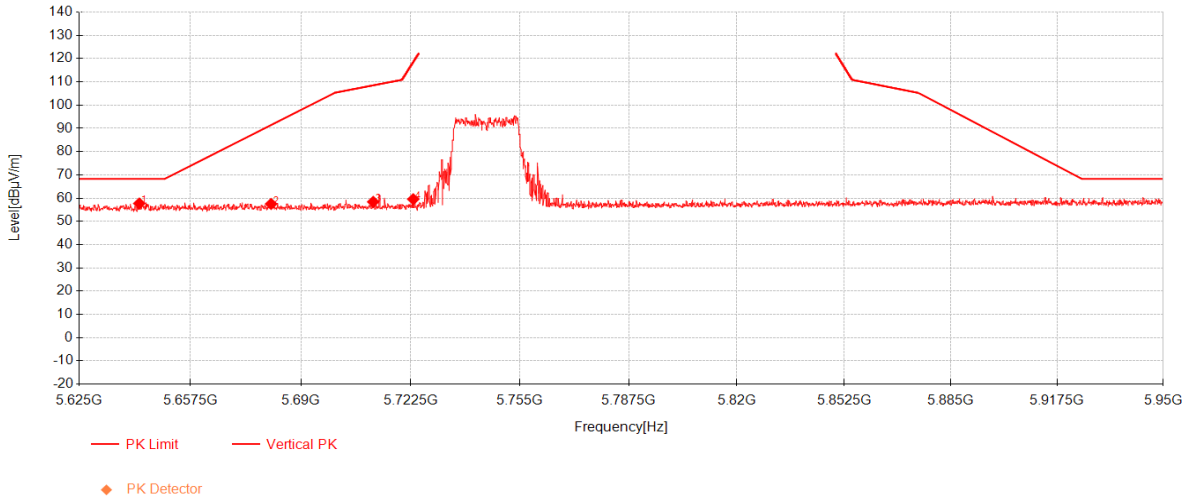
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5351.5	26.79	33.13	-14.10	45.82	54.00	8.18	Vertical
2	5365.275	26.64	33.13	-14.13	45.64	54.00	8.36	Vertical

802.11ax20_Channel 149



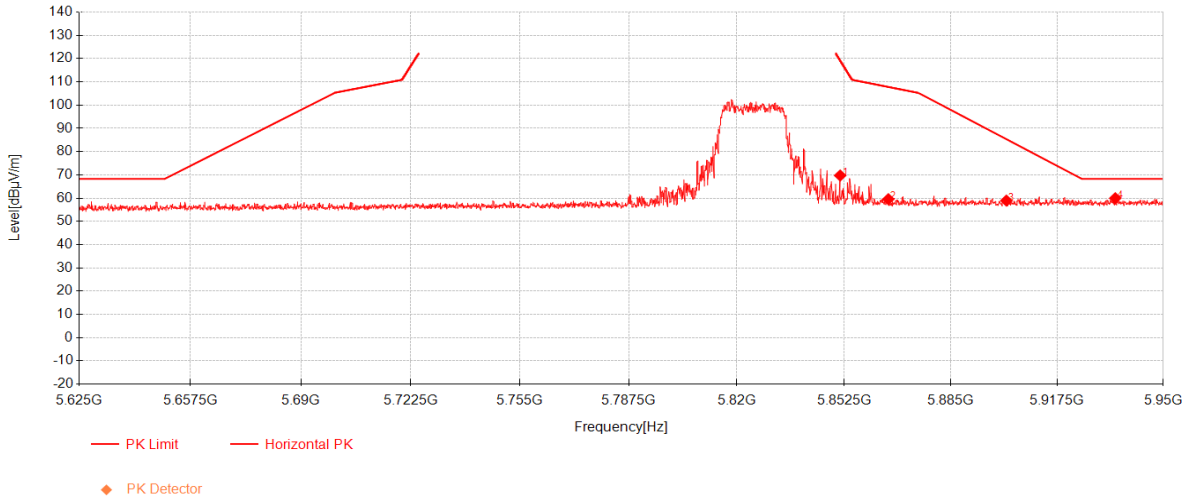
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5639.7062	37.62	33.58	-13.68	57.52	68.30	10.78	Horizontal
2	5689.5125	39.10	33.74	-13.67	59.17	97.57	38.40	Horizontal
3	5709.4188	40.93	33.81	-13.65	61.09	107.94	46.85	Horizontal
4	5722.0938	45.85	33.86	-13.62	66.08	115.67	49.59	Horizontal

802.11ax20_Channel 149



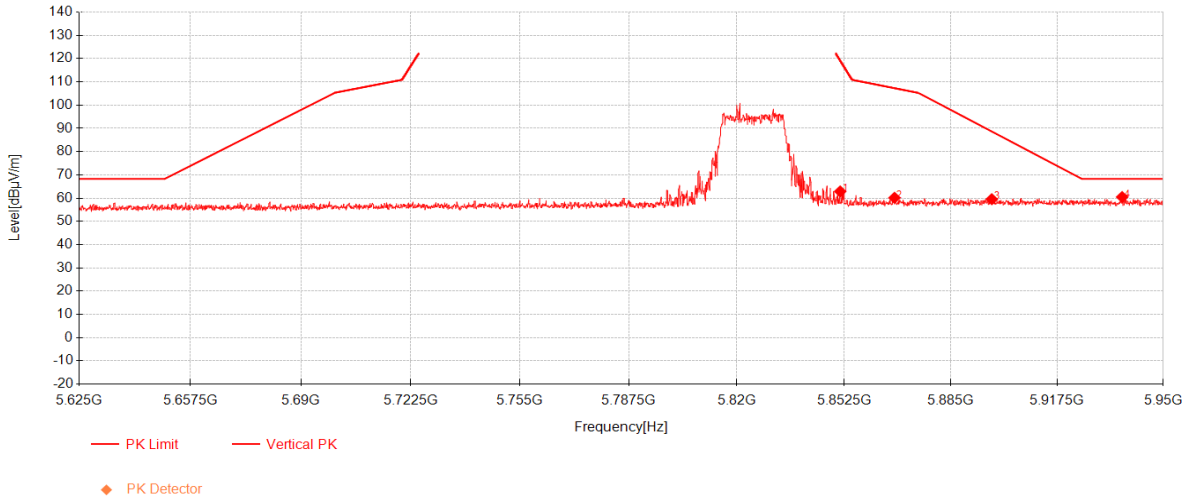
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5642.55	37.80	33.58	-13.68	57.71	68.30	10.59	Vertical
2	5681.225	37.45	33.72	-13.67	57.49	91.44	33.95	Vertical
3	5711.3688	38.24	33.82	-13.65	58.41	108.49	50.08	Vertical
4	5723.2312	39.31	33.86	-13.62	59.55	118.27	58.72	Vertical

802.11ax20_Channel 165



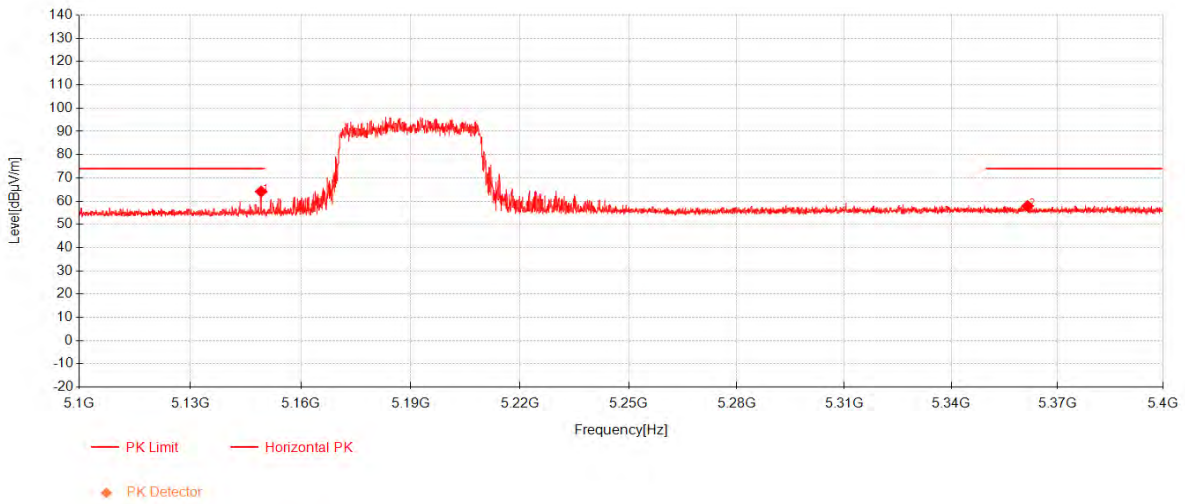
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5851.2812	48.64	34.29	-13.20	69.73	119.38	49.65	Horizontal
2	5865.9062	38.36	34.34	-13.13	59.57	107.84	48.27	Horizontal
3	5901.9	37.45	34.47	-12.97	58.95	85.36	26.41	Horizontal
4	5935.2938	38.49	34.58	-13.09	59.98	68.30	8.32	Horizontal

802.11ax20_Channel 165



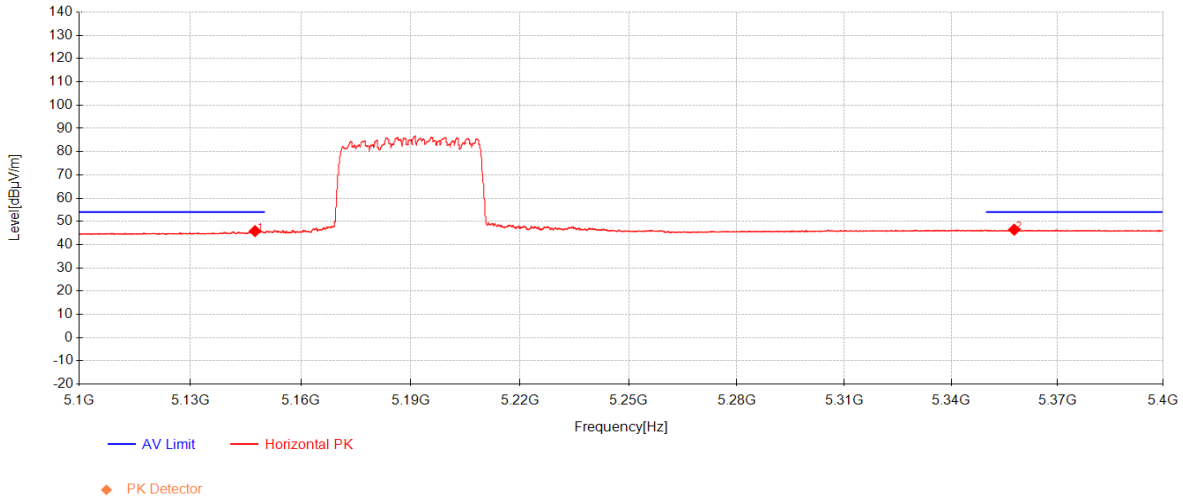
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5851.2812	41.80	34.29	-13.20	62.89	119.38	56.49	Vertical
2	5867.775	38.92	34.35	-13.12	60.15	107.32	47.17	Vertical
3	5897.4312	38.07	34.45	-12.97	59.55	88.66	29.11	Vertical
4	5937.4062	38.98	34.59	-13.10	60.47	68.30	7.83	Vertical

802.11ax40_Channel 38



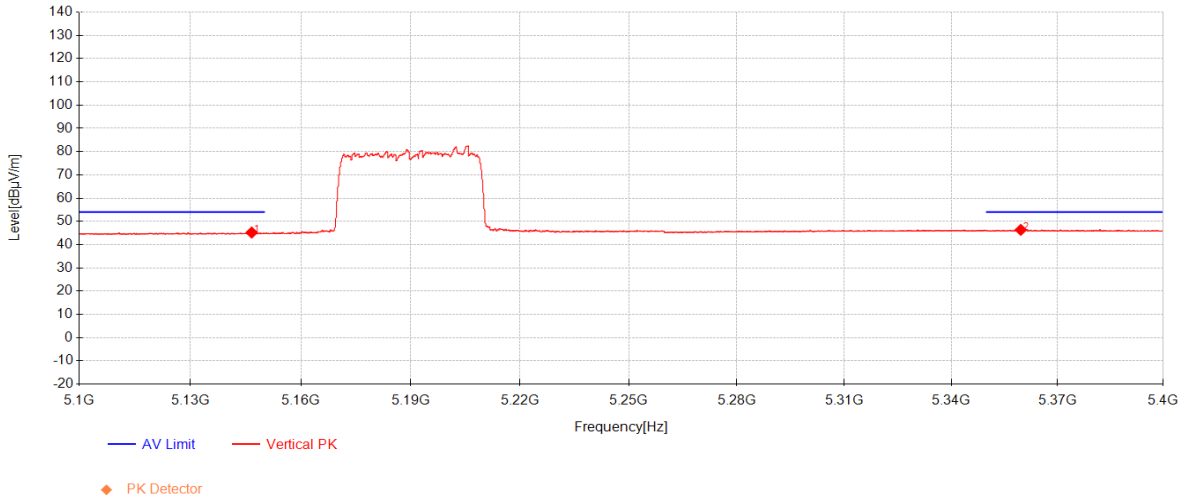
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.16	45.71	33.17	-14.79	64.09	74.00	9.91	Horizontal
2	5361.57	38.87	33.13	-14.12	57.88	74.00	16.12	Horizontal

802.11ax40_Channel 38



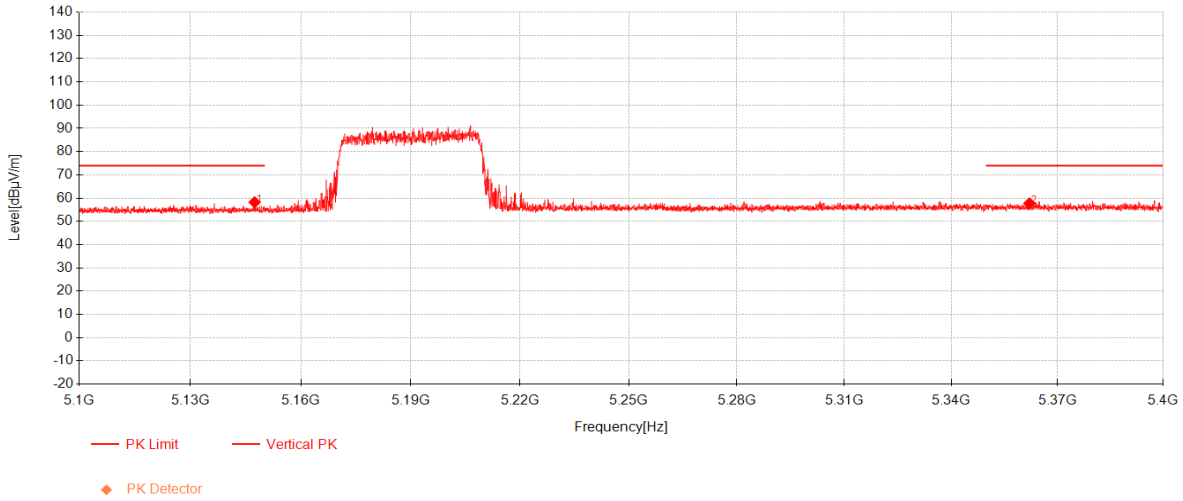
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.52	27.47	33.17	-14.80	45.84	54.00	8.16	Horizontal
2	5357.79	27.43	33.13	-14.11	46.45	54.00	7.55	Horizontal

802.11ax40_Channel 38



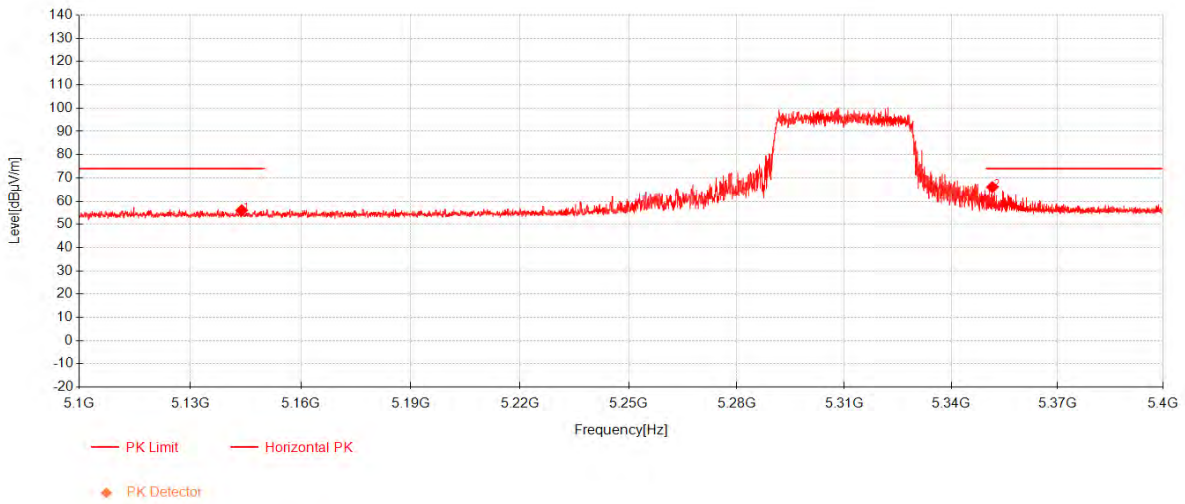
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5146.6	26.83	33.17	-14.80	45.20	54.00	8.80	Vertical
2	5359.645	27.35	33.13	-14.12	46.36	54.00	7.64	Vertical

802.11ax40_Channel 38



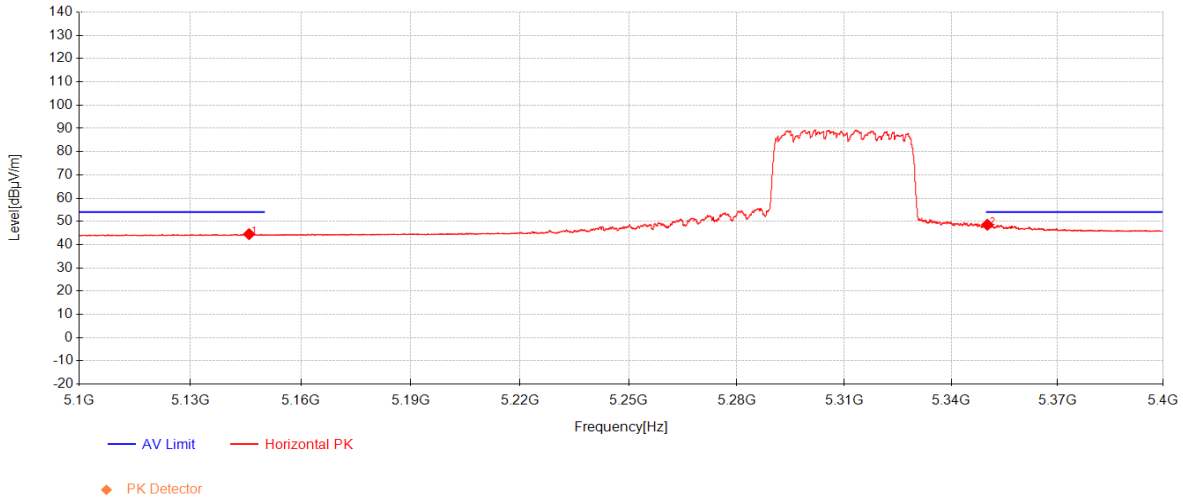
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.4	39.87	33.17	-14.80	58.24	74.00	15.76	Vertical
2	5362.095	38.70	33.13	-14.12	57.71	74.00	16.29	Vertical

802.11ax40_Channel 62



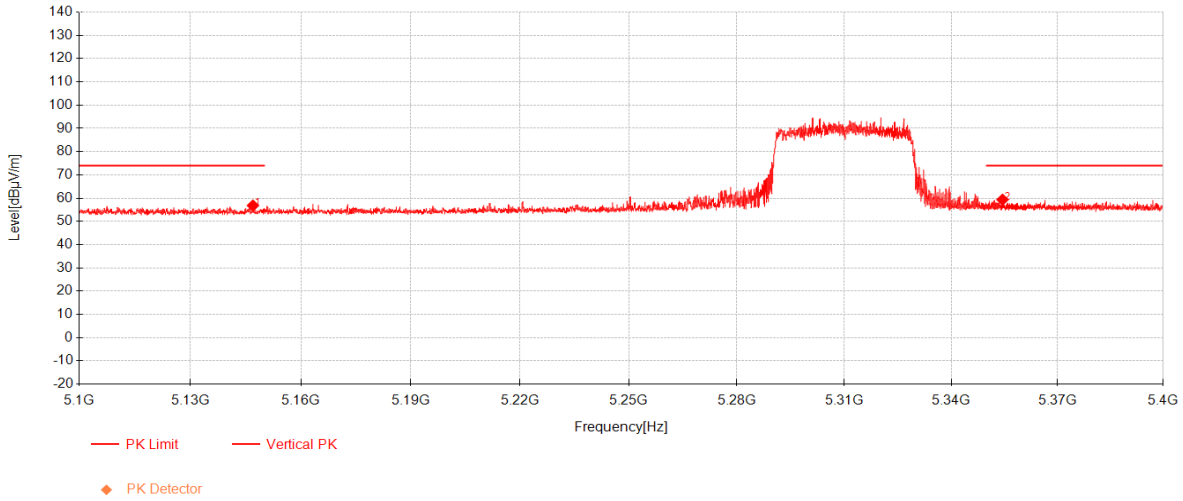
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5143.9	37.66	33.17	-14.82	56.01	74.00	17.99	Horizontal
2	5351.625	46.98	33.13	-14.10	66.01	74.00	7.99	Horizontal

802.11ax40_Channel 62



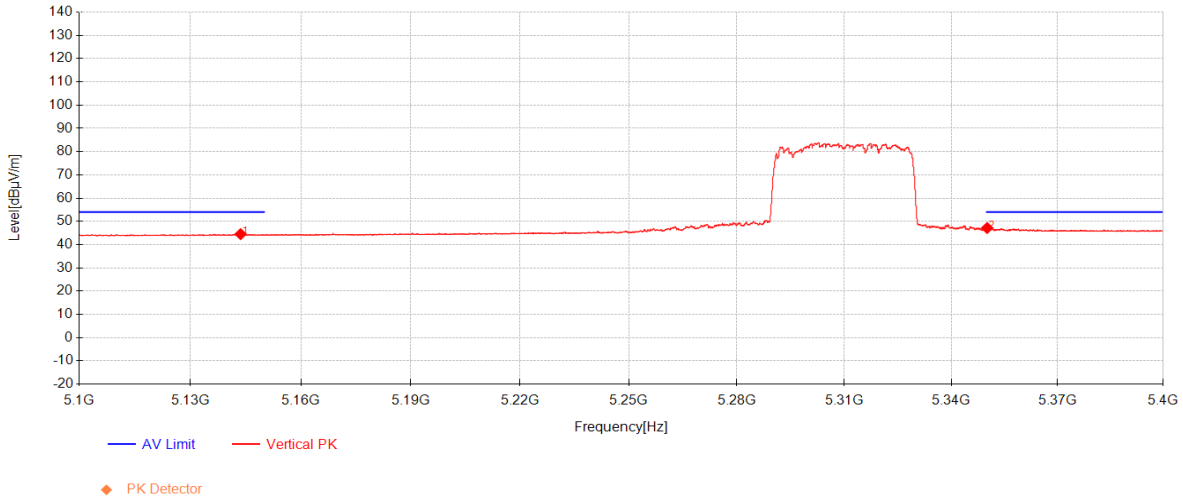
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5145.9	26.17	33.17	-14.81	44.53	54.00	9.47	Horizontal
2	5350.2	29.54	33.13	-14.10	48.57	54.00	5.43	Horizontal

802.11ax40_Channel 62



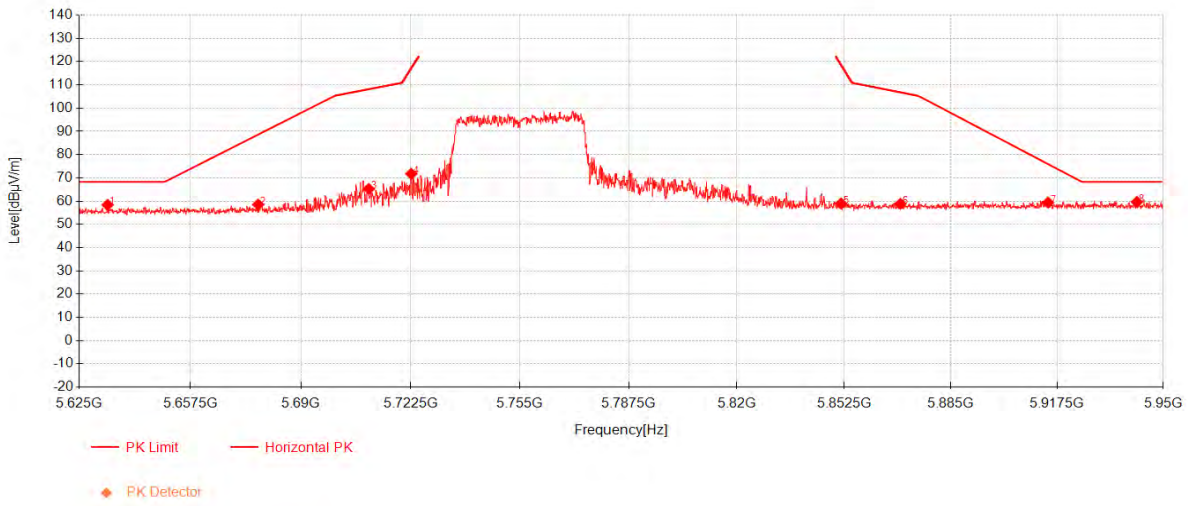
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5146.95	38.46	33.17	-14.80	56.83	74.00	17.17	Vertical
2	5354.5	40.33	33.13	-14.10	59.35	74.00	14.65	Vertical

802.11ax40_Channel 62



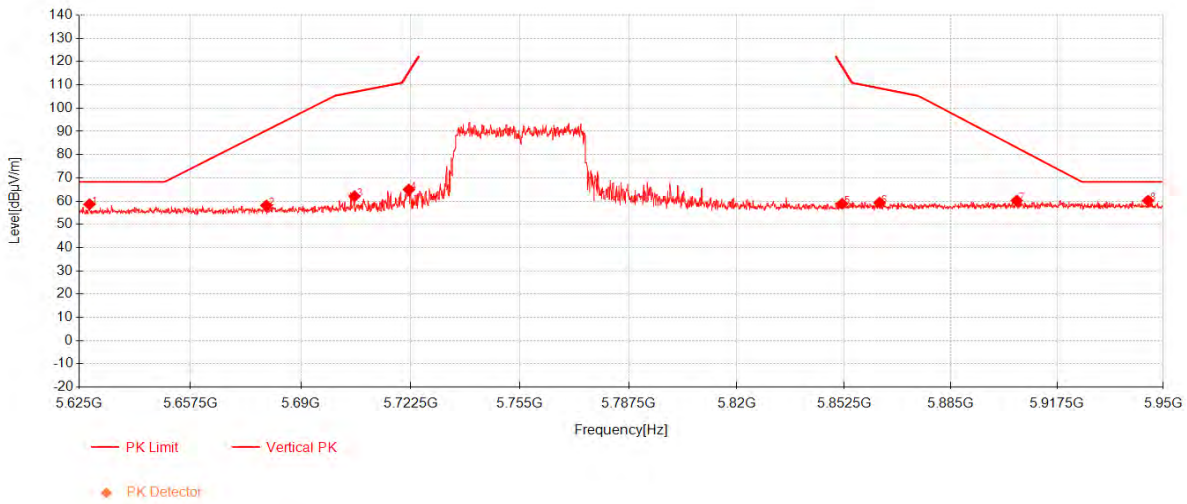
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5143.6	26.18	33.17	-14.82	44.53	54.00	9.47	Vertical
2	5350.15	28.13	33.13	-14.10	47.16	54.00	6.84	Vertical

802.11ax40_Channel 151



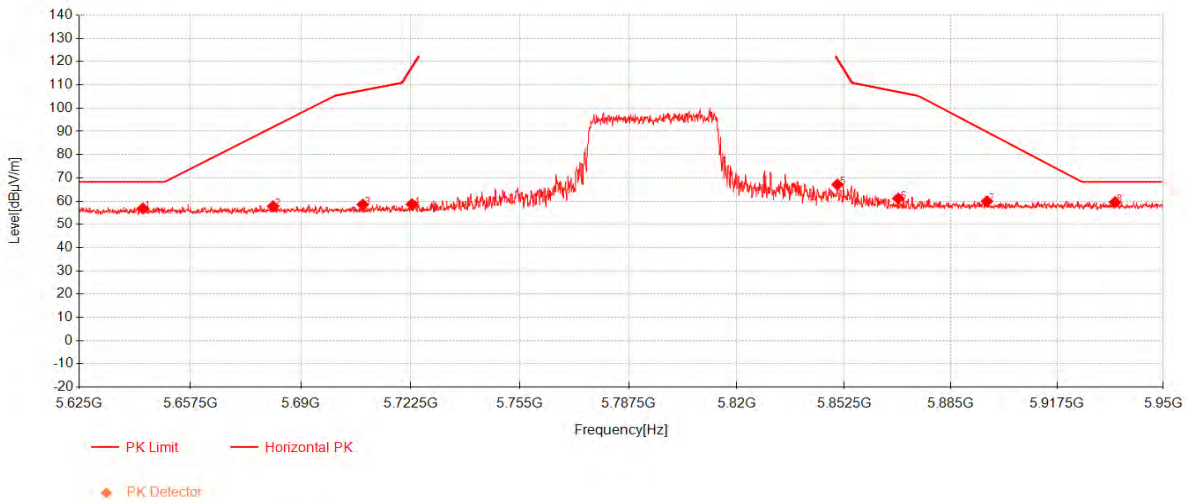
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5633.2875	38.50	33.55	-13.68	58.38	68.30	9.92	Horizontal
2	5677.4062	38.48	33.70	-13.67	58.51	88.62	30.11	Horizontal
3	5710.0688	45.08	33.81	-13.65	65.25	108.12	42.87	Horizontal
4	5722.6625	51.52	33.86	-13.62	71.75	116.97	45.22	Horizontal
5	5851.525	37.88	34.30	-13.20	58.97	118.82	59.85	Horizontal
6	5869.5625	37.61	34.36	-13.11	58.85	106.82	47.97	Horizontal
7	5914.6562	37.91	34.51	-13.02	59.40	75.93	16.53	Horizontal
8	5941.9562	38.19	34.60	-13.12	59.67	68.30	8.63	Horizontal

802.11ax40_Channel 151



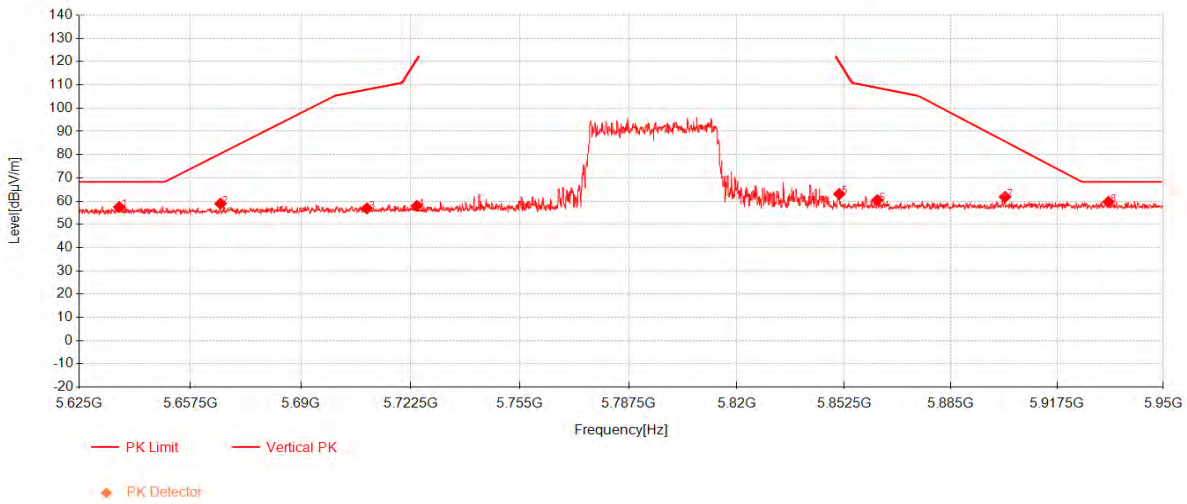
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5628.0062	38.76	33.54	-13.68	58.62	68.30	9.68	Vertical
2	5679.8438	38.10	33.71	-13.67	58.14	90.42	32.28	Vertical
3	5705.8438	41.98	33.80	-13.66	62.12	106.94	44.82	Vertical
4	5721.9312	44.72	33.85	-13.62	64.95	115.30	50.35	Vertical
5	5851.85	37.78	34.30	-13.20	58.88	118.08	59.20	Vertical
6	5863.225	38.12	34.33	-13.14	59.31	108.59	49.28	Vertical
7	5905.0688	38.74	34.48	-12.98	60.24	83.01	22.77	Vertical
8	5945.3688	38.72	34.61	-13.13	60.20	68.30	8.10	Vertical

802.11ax40_Channel 159



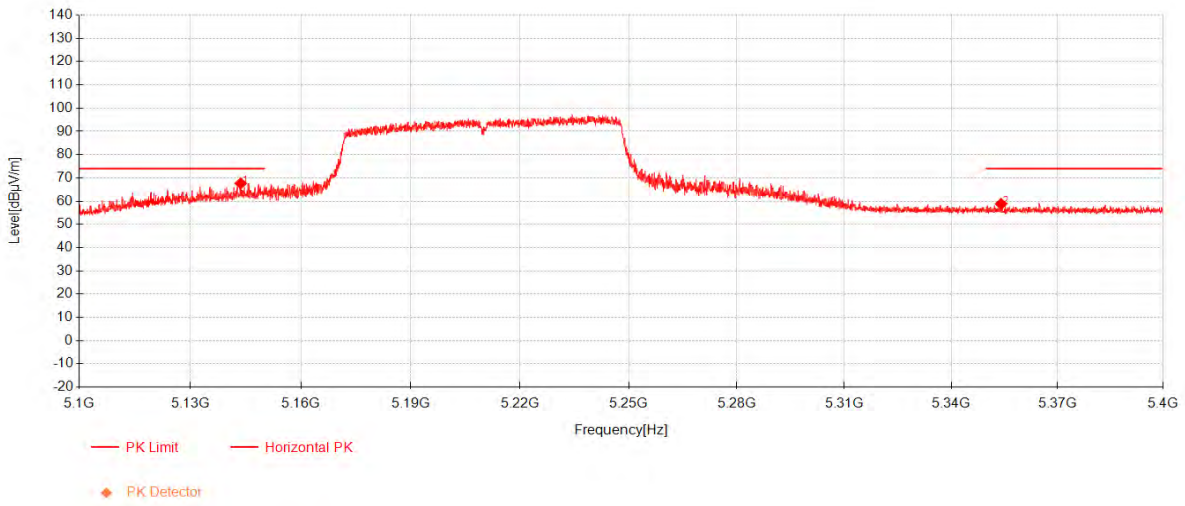
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5643.6062	36.98	33.59	-13.68	56.89	68.30	11.41	Horizontal
2	5681.7938	37.70	33.72	-13.67	57.75	91.87	34.12	Horizontal
3	5708.2812	38.35	33.81	-13.65	58.51	107.62	49.11	Horizontal
4	5722.825	38.41	33.86	-13.62	58.65	117.34	58.69	Horizontal
5	5850.4688	46.02	34.29	-13.21	67.10	121.23	54.13	Horizontal
6	5868.9125	39.91	34.35	-13.12	61.15	107.00	45.85	Horizontal
7	5895.9688	38.45	34.45	-12.98	59.92	89.74	29.82	Horizontal
8	5935.2125	38.05	34.58	-13.09	59.54	68.30	8.76	Horizontal

802.11ax40_Channel 159



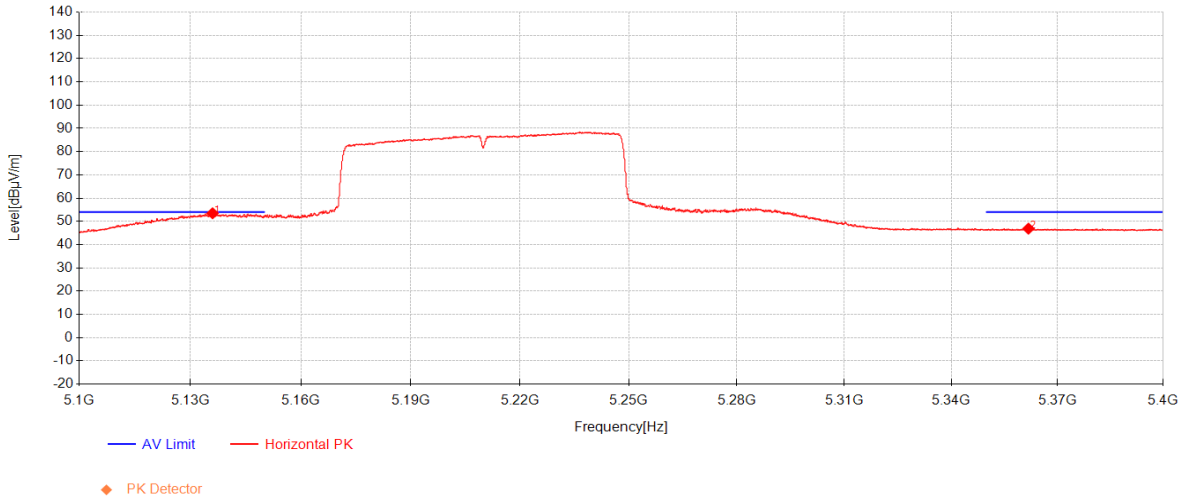
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5636.7	37.60	33.56	-13.68	57.49	68.30	10.81	Vertical
2	5666.3562	38.93	33.67	-13.67	58.92	80.44	21.52	Vertical
3	5709.5	36.72	33.81	-13.65	56.88	107.96	51.08	Vertical
4	5724.2875	37.72	33.86	-13.62	57.96	120.68	62.72	Vertical
5	5851.0375	41.99	34.29	-13.20	63.08	119.93	56.85	Vertical
6	5862.575	39.23	34.33	-13.15	60.42	108.78	48.36	Vertical
7	5901.4938	40.33	34.47	-12.97	61.83	85.66	23.83	Vertical
8	5933.1812	38.21	34.57	-13.09	59.70	68.30	8.60	Vertical

802.11ax80_Channel 42



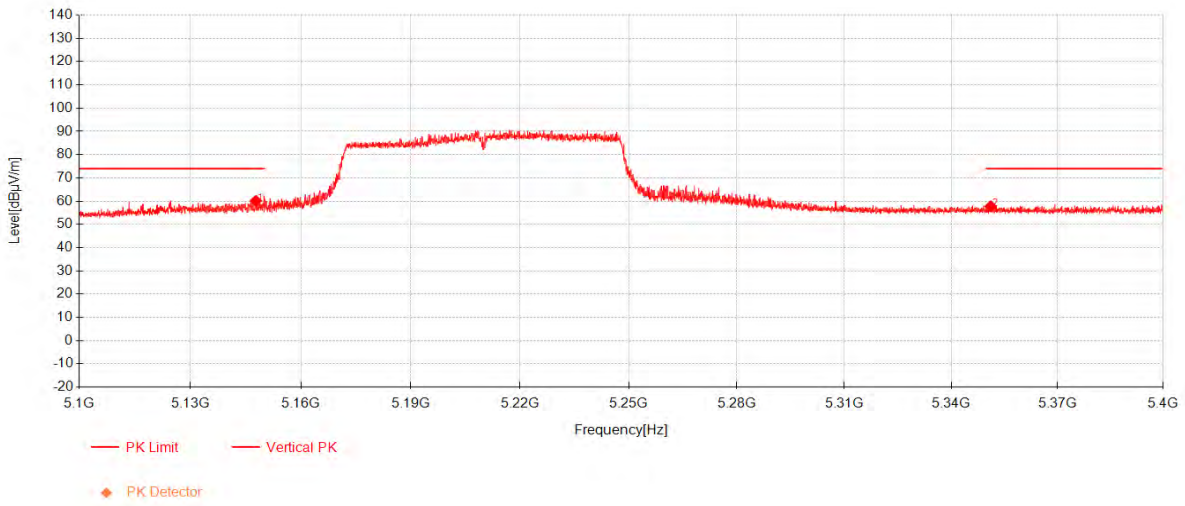
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5143.64	49.27	33.17	-14.82	67.62	74.00	6.38	Horizontal
2	5354.08	39.76	33.13	-14.10	58.79	74.00	15.21	Horizontal

802.11ax80_Channel 42



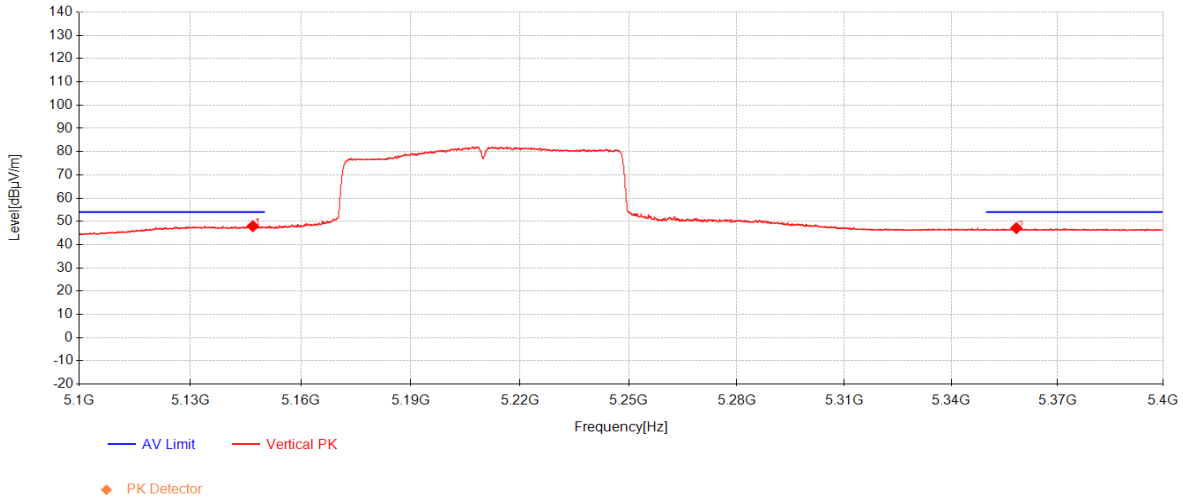
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5136	35.16	33.17	-14.85	53.48	54.00	0.52	Horizontal
2	5361.815	27.87	33.13	-14.12	46.88	54.00	7.12	Horizontal

802.11ax80_Channel 42



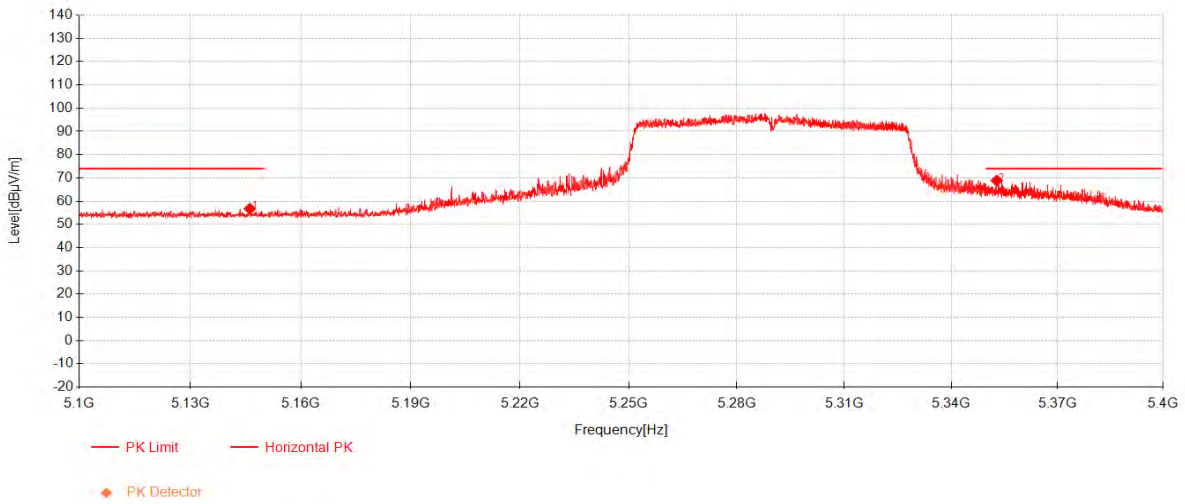
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.72	41.75	33.17	-14.80	60.12	74.00	13.88	Vertical
2	5351.14	38.74	33.13	-14.10	57.77	74.00	16.23	Vertical

802.11ax80_Channel 42



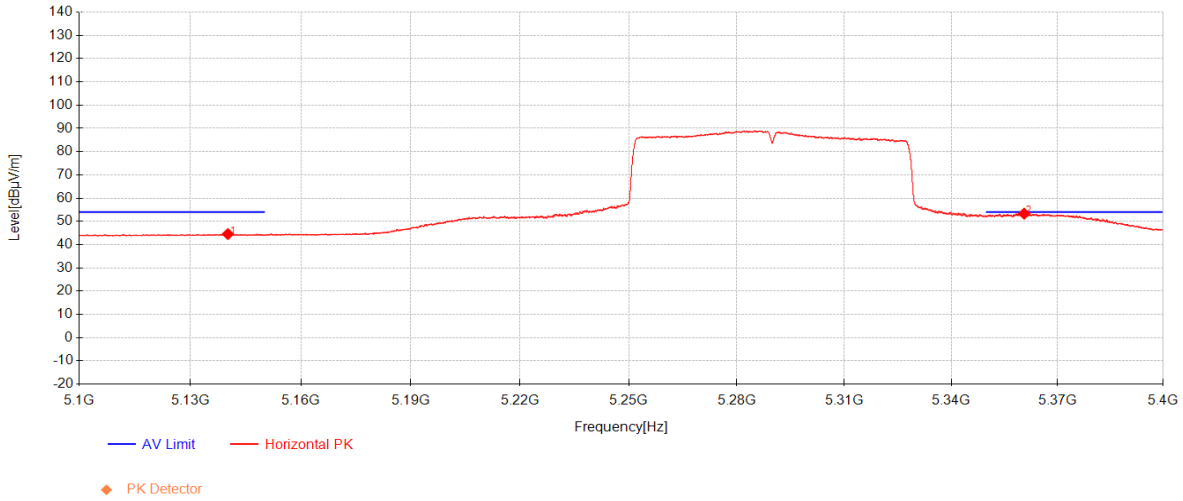
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5146.92	29.56	33.17	-14.80	47.93	54.00	6.07	Vertical
2	5358.385	28.08	33.13	-14.11	47.10	54.00	6.90	Vertical

802.11ax80_Channel 58



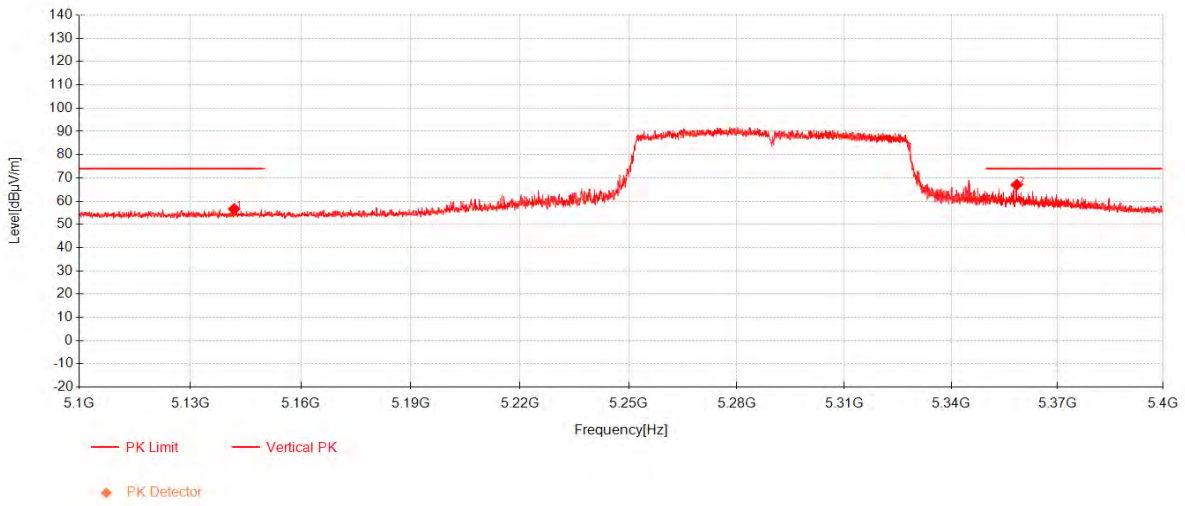
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5146.1	38.36	33.17	-14.81	56.72	74.00	17.28	Horizontal
2	5352.875	49.79	33.13	-14.10	68.82	74.00	5.18	Horizontal

802.11ax80_Channel 58



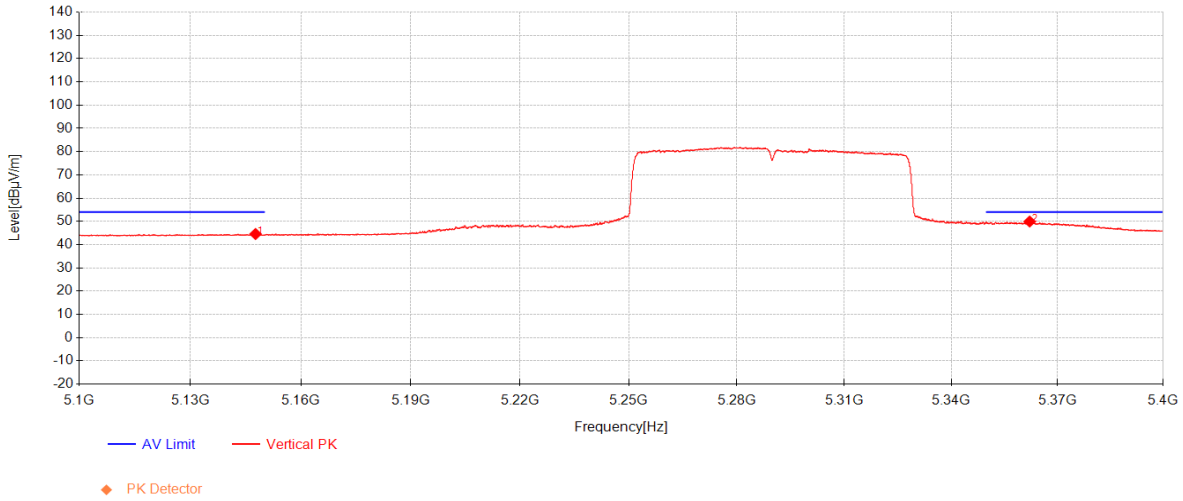
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5140.15	26.21	33.17	-14.83	44.55	54.00	9.45	Horizontal
2	5360.6	34.30	33.13	-14.12	53.31	54.00	0.69	Horizontal

802.11ax80_Channel 58



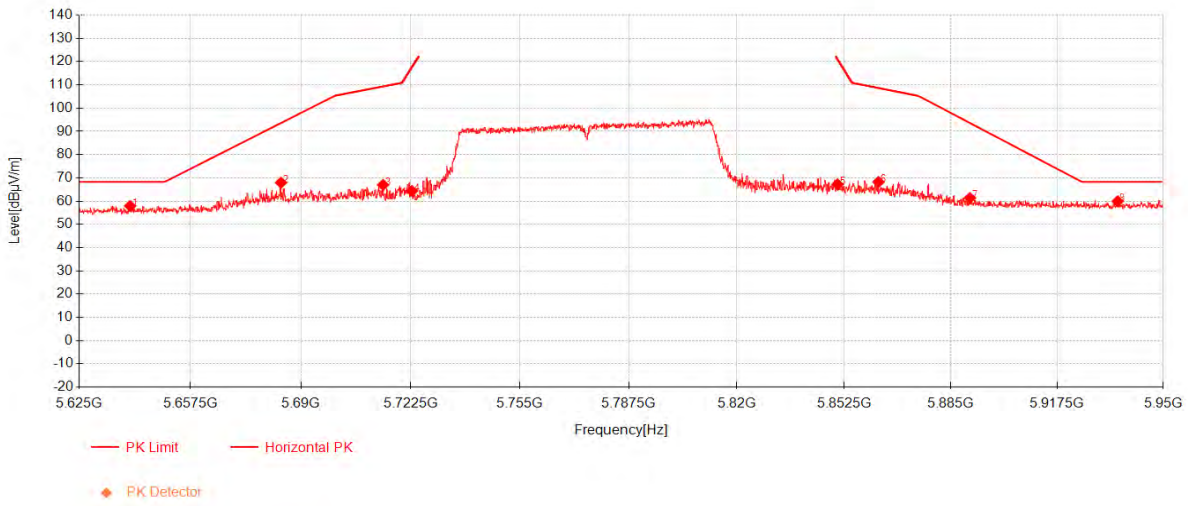
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5141.85	38.27	33.17	-14.83	56.62	74.00	17.38	Vertical
2	5358.5	48.01	33.13	-14.11	67.03	74.00	6.97	Vertical

802.11ax80_Channel 58



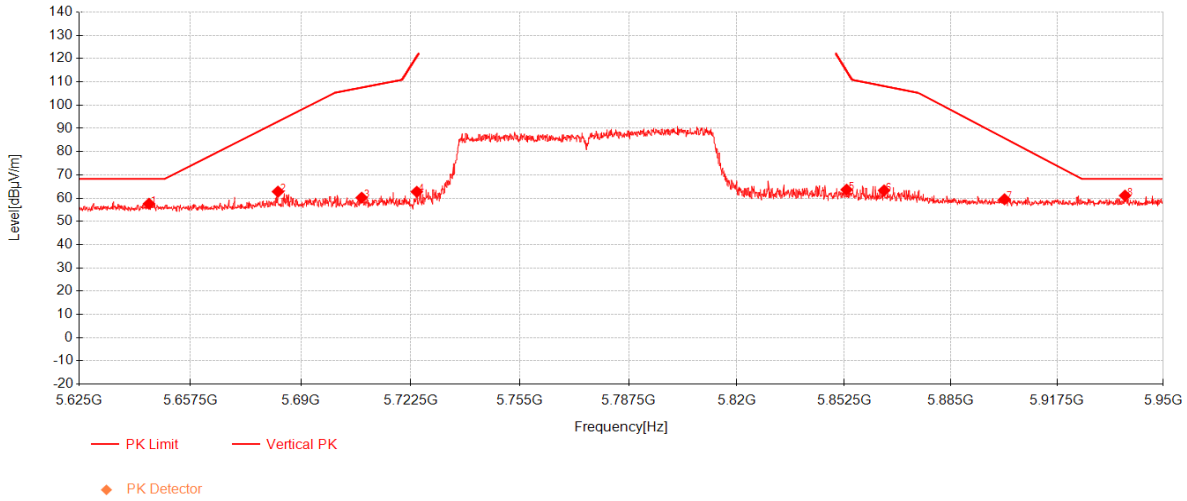
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.65	26.20	33.17	-14.80	44.57	54.00	9.43	Vertical
2	5362.15	30.92	33.13	-14.12	49.93	54.00	4.07	Vertical

802.11ax80_Channel 155



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5639.8688	38.03	33.58	-13.68	57.93	68.30	10.37	Horizontal
2	5684.15	47.91	33.73	-13.67	67.96	93.61	25.65	Horizontal
3	5714.2938	46.80	33.83	-13.64	66.99	109.30	42.31	Horizontal
4	5722.825	44.11	33.86	-13.62	64.35	117.34	52.99	Horizontal
5	5850.4688	46.13	34.29	-13.21	67.21	121.23	54.02	Horizontal
6	5862.9	47.03	34.33	-13.15	68.22	108.69	40.47	Horizontal
7	5890.7688	39.97	34.43	-13.01	61.39	93.60	32.21	Horizontal
8	5936.025	38.45	34.58	-13.10	59.94	68.30	8.36	Horizontal

802.11ax80_Channel 155



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5645.3938	37.64	33.59	-13.68	57.56	68.30	10.74	Vertical
2	5683.2562	42.74	33.72	-13.67	62.79	92.95	30.16	Vertical
3	5707.9562	40.03	33.81	-13.65	60.18	107.53	47.35	Vertical
4	5724.2875	42.50	33.86	-13.62	62.74	120.68	57.94	Vertical
5	5853.2312	42.52	34.30	-13.19	63.63	114.93	51.30	Vertical
6	5864.6062	42.10	34.34	-13.14	63.30	108.21	44.91	Vertical
7	5901.3312	38.00	34.46	-12.97	59.50	85.78	26.28	Vertical
8	5938.3	39.61	34.59	-13.11	61.09	68.30	7.21	Vertical

7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1
Test Method: KDB 789033 II B 1

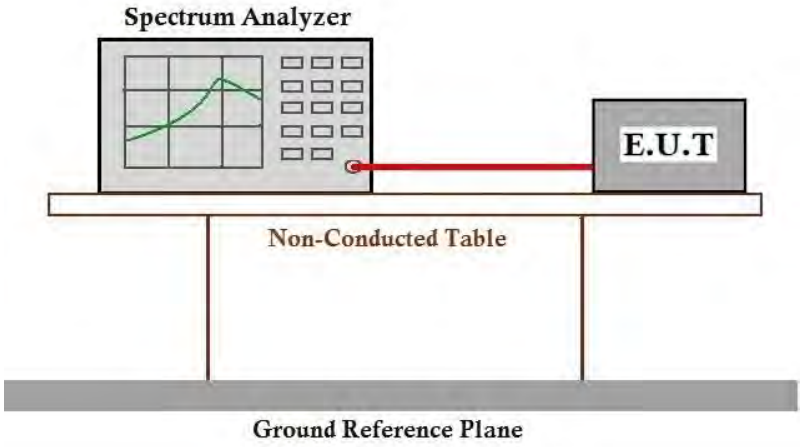
7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

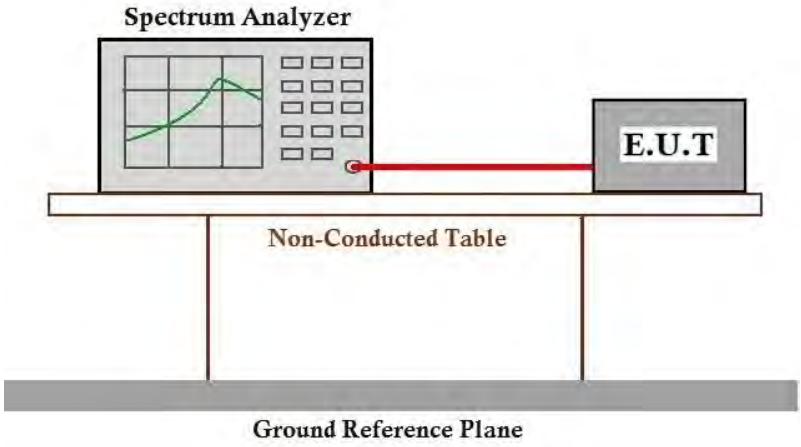
7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

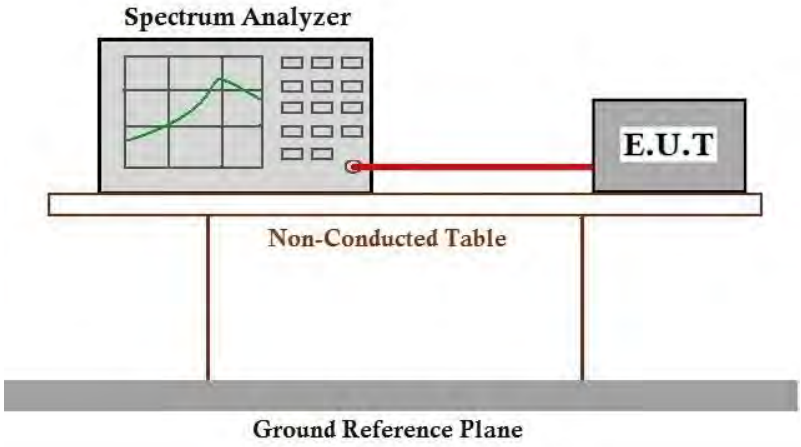
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)
Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

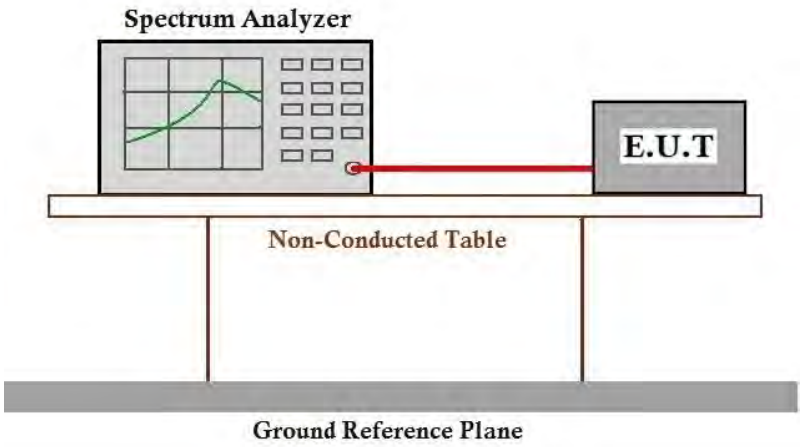
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

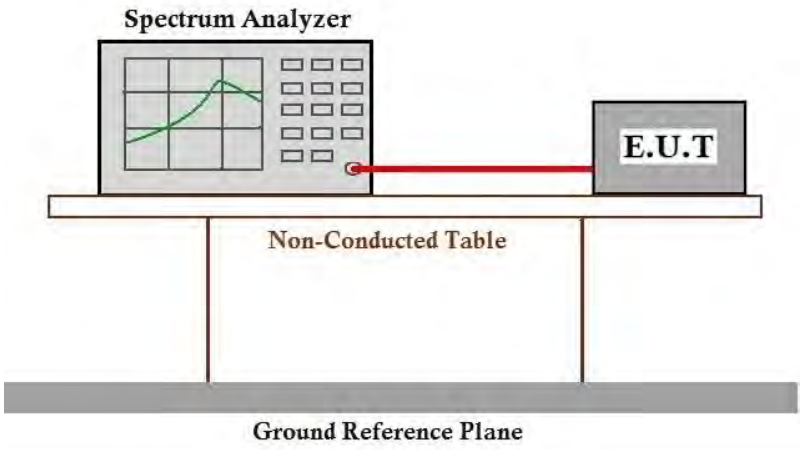
Operating Environment:

Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

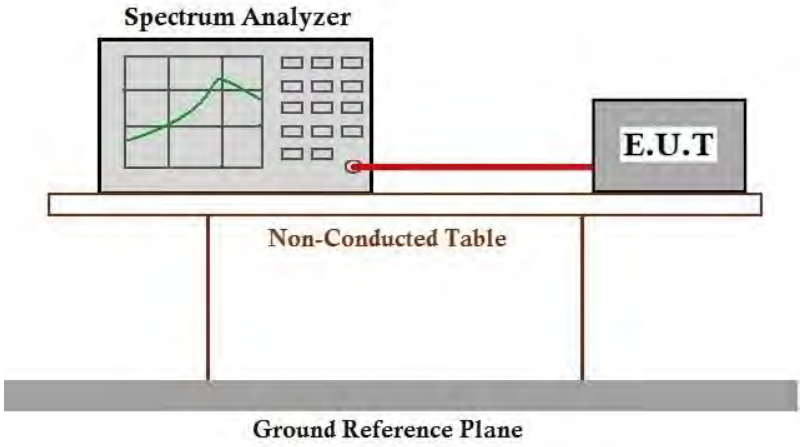
7.11.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.12.1 E.U.T. Operation

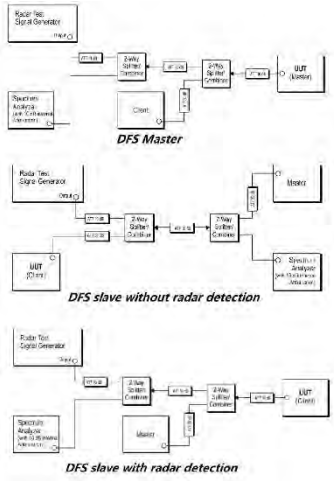
Operating Environment:

Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	Normal operating_Keep the EUT communication with the companion device.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

7.13 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.13.1 E.U.T. Operation

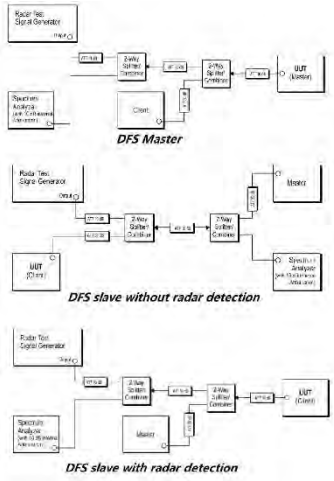
Operating Environment:

Temperature: 24.3 °C Humidity: 43.0 % RH Atmospheric Pressure: 1010 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	Normal operating_Keep the EUT communication with the companion device.

7.13.3 Test Setup Diagram



7.13.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

7.14 Non-occupancy period

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.14.1 E.U.T. Operation

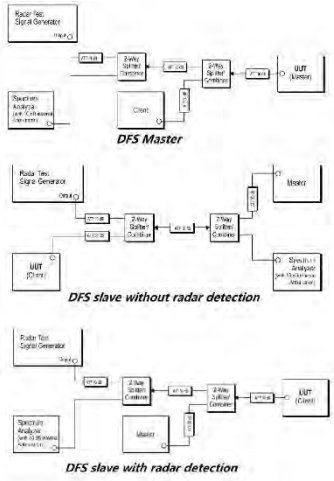
Operating Environment:

Temperature: 20.8 °C Humidity: 54.0 % RH Atmospheric Pressure: 1010 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	Normal operating_Keep the EUT communication with the companion device.

7.14.3 Test Setup Diagram



7.14.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2408001622AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2408001622AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

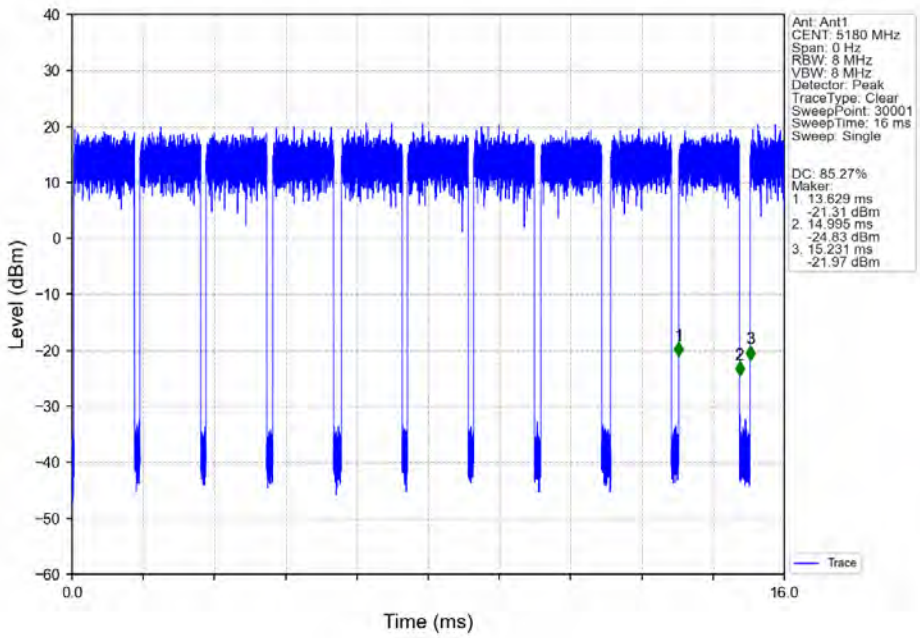
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.366	1.602	85.27	0.69	6.74
		5200	/	/	1.366	1.575	86.73	0.62	5.27
		5240	/	/	1.366	1.535	88.99	0.51	3.24
		5260	/	/	1.366	1.602	85.27	0.69	6.15
		5300	/	/	1.366	1.602	85.27	0.69	6.74
		5320	/	/	1.366	1.602	85.27	0.69	6.74
		5745	/	/	1.366	1.671	81.75	0.88	10.25
		5785	/	/	1.366	1.635	83.55	0.78	8.73
		5825	/	/	1.367	1.558	87.74	0.57	3.70
802.11ac (VHT20)	SISO	5180	/	/	1.286	1.522	84.49	0.73	4.20
		5200	/	/	1.286	1.525	84.33	0.74	7.26
		5240	/	/	1.287	1.513	85.06	0.70	6.54
		5260	/	/	1.287	1.504	85.57	0.68	6.03
		5300	/	/	1.286	1.495	86.02	0.65	5.51
		5320	/	/	1.287	1.514	85.01	0.71	6.53
		5745	/	/	1.287	1.505	85.51	0.68	6.06
		5785	/	/	1.287	1.513	85.06	0.70	5.98
		5825	/	/	1.287	1.522	84.56	0.73	7.04
802.11ac (VHT40)	SISO	5190	/	/	0.937	1.164	80.50	0.94	5.29
		5230	/	/	0.937	1.391	67.36	1.72	4.15
		5270	/	/	0.938	1.165	80.52	0.94	6.03
		5310	/	/	0.938	1.147	81.78	0.87	6.97
		5755	/	/	0.938	1.115	84.13	0.75	5.04
		5795	/	/	0.938	1.174	79.90	0.97	8.08
802.11ac (VHT80)	SISO	5210	/	/	4.526	4.761	95.06	0.22	2.39
		5290	/	/	4.525	4.693	96.42	0.16	1.13
		5775	/	/	4.525	4.762	95.02	0.22	2.42
802.11ax (HE20)	SISO	5180	RU242	Left	0.998	1.225	81.47	0.89	7.89
		5200	RU242	Left	0.999	1.324	75.45	1.22	10.49
		5240	RU242	Left	0.999	1.234	80.96	0.92	8.50
		5260	RU242	Left	0.999	1.180	84.66	0.72	4.79
		5300	RU242	Left	0.999	1.234	80.96	0.92	8.49

		5320	RU242	Left	0.998	1.224	81.54	0.89	5.06
		5745	RU242	Left	0.998	1.234	80.88	0.92	8.49
		5785	RU242	Left	0.998	1.131	88.24	0.54	1.46
		5825	RU242	Left	0.999	1.208	82.70	0.83	6.66
802.11ax (HE40)	SISO	5190	RU484	Left	0.530	0.707	74.96	1.25	7.33
		5230	RU484	Left	0.530	1.019	52.01	2.84	7.32
		5270	RU484	Left	0.528	0.748	70.59	1.51	10.82
		5310	RU484	Left	0.528	0.974	54.21	2.66	4.96
		5755	RU484	Left	0.530	0.699	75.82	1.20	6.38
		5795	RU484	Left	0.529	0.756	69.97	1.55	11.68
802.11ax (HE80)	SISO	5210	RU996	Left	3.698	3.934	94.00	0.27	2.89
		5290	RU996	Left	3.699	3.867	95.66	0.19	1.34
		5775	RU996	Left	3.697	3.907	94.63	0.24	2.05

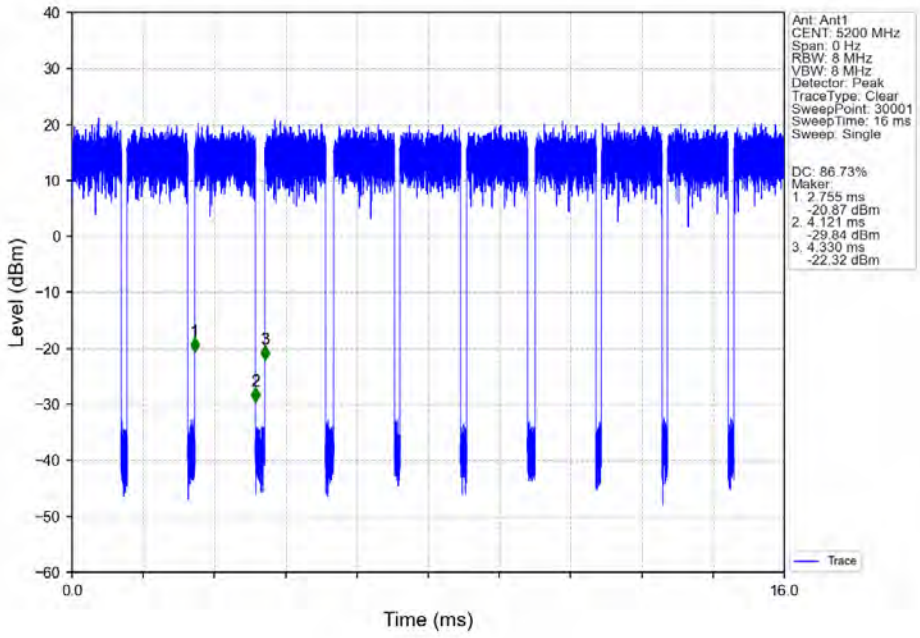
1.2 Test Graph

1.2.1 Ant1

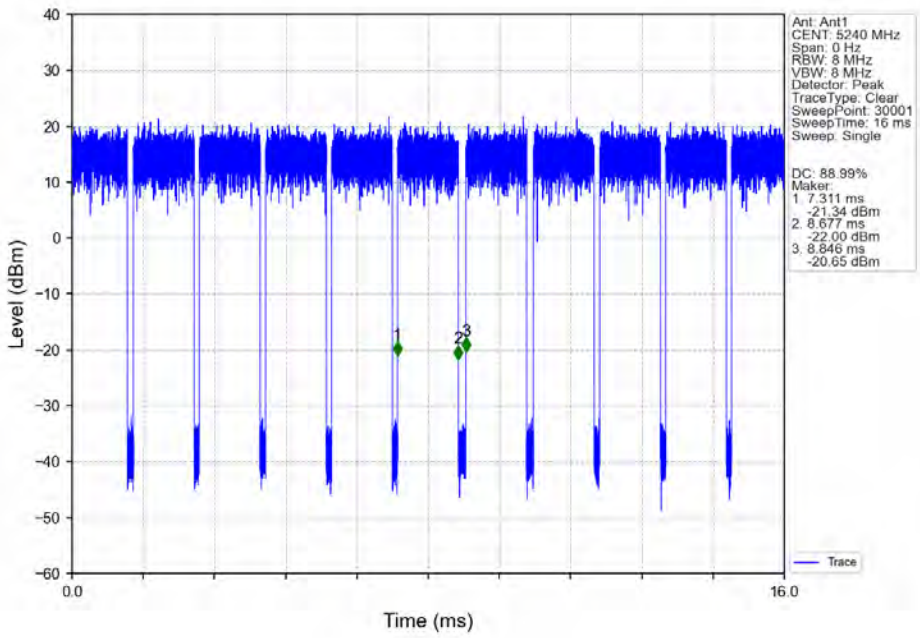
802.11a_LCH_5180MHz_Ant1_NTNV



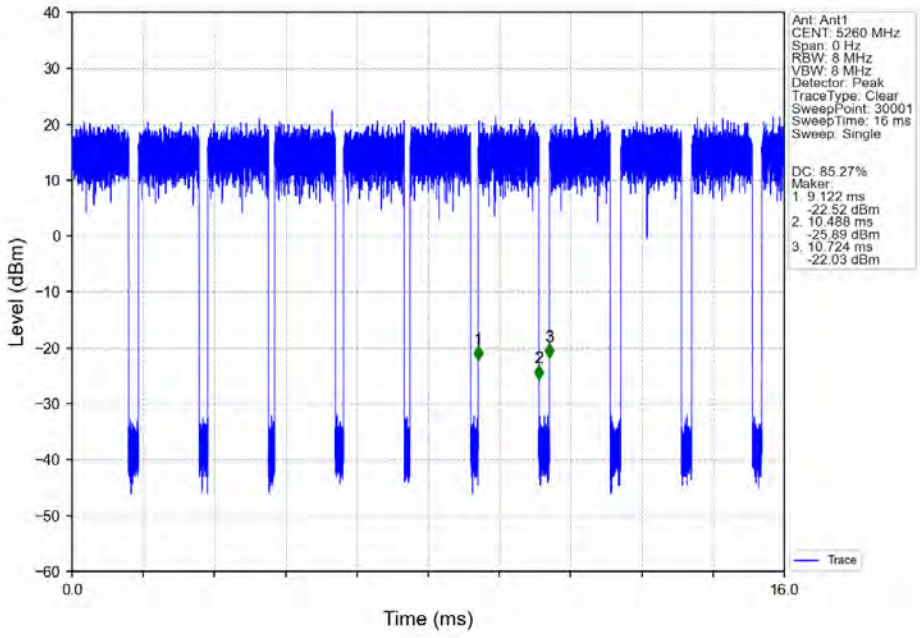
802.11a_MCH_5200MHz_Ant1_NTNV



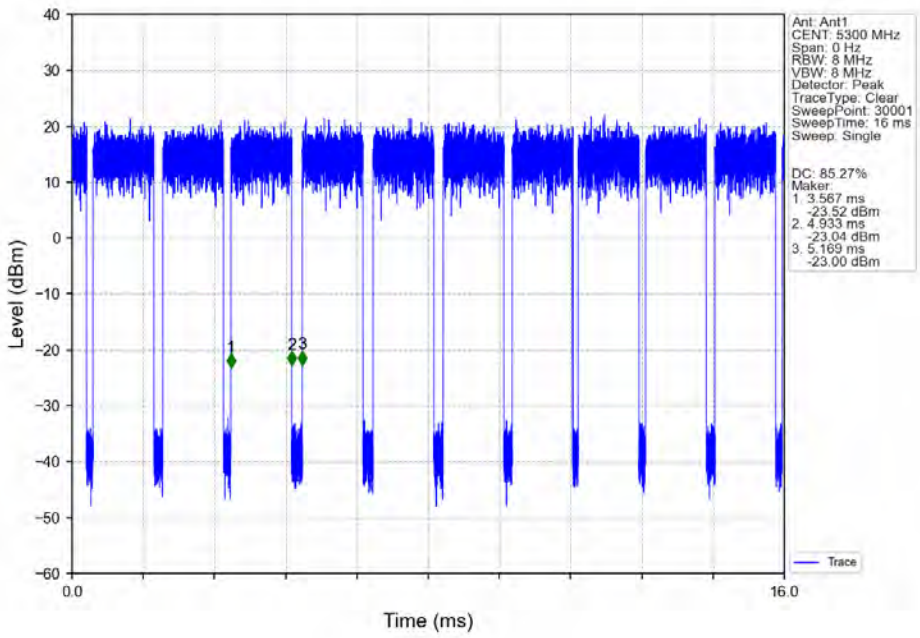
802.11a_HCH_5240MHz_Ant1_NTNV



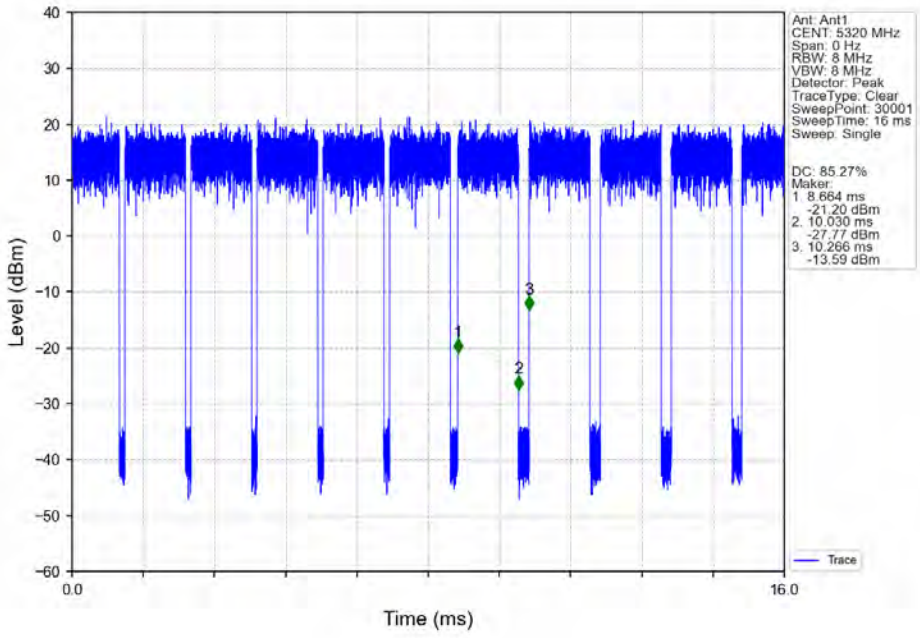
802.11a_LCH_5260MHz_Ant1_NTNV



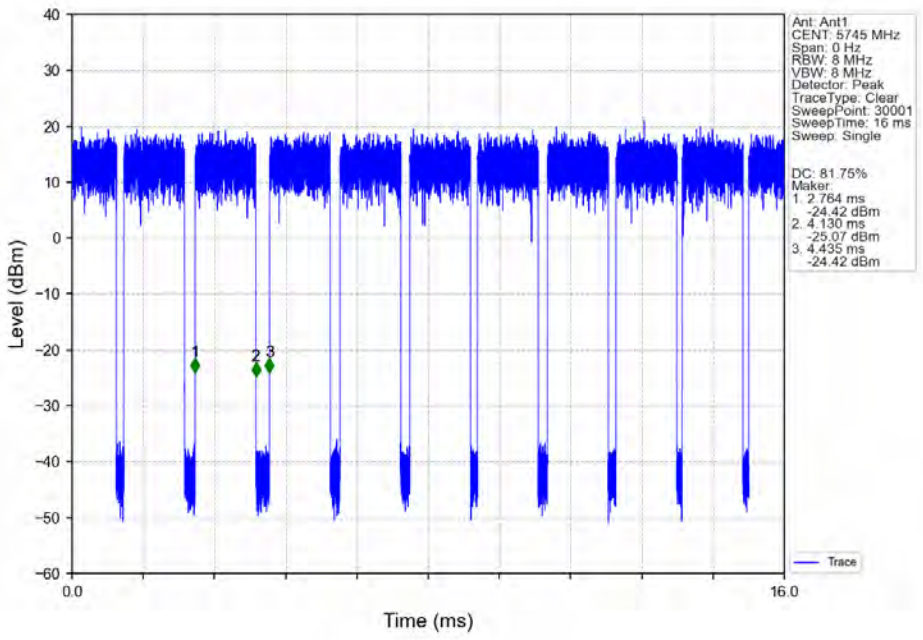
802.11a_MCH_5300MHz_Ant1_NTNV



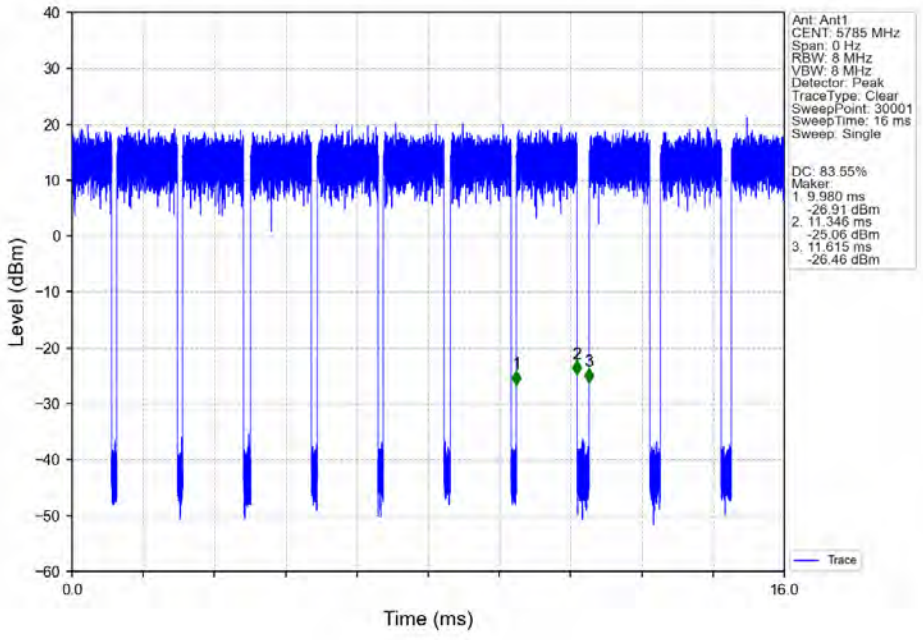
802.11a_HCH_5320MHz_Ant1_NTNV



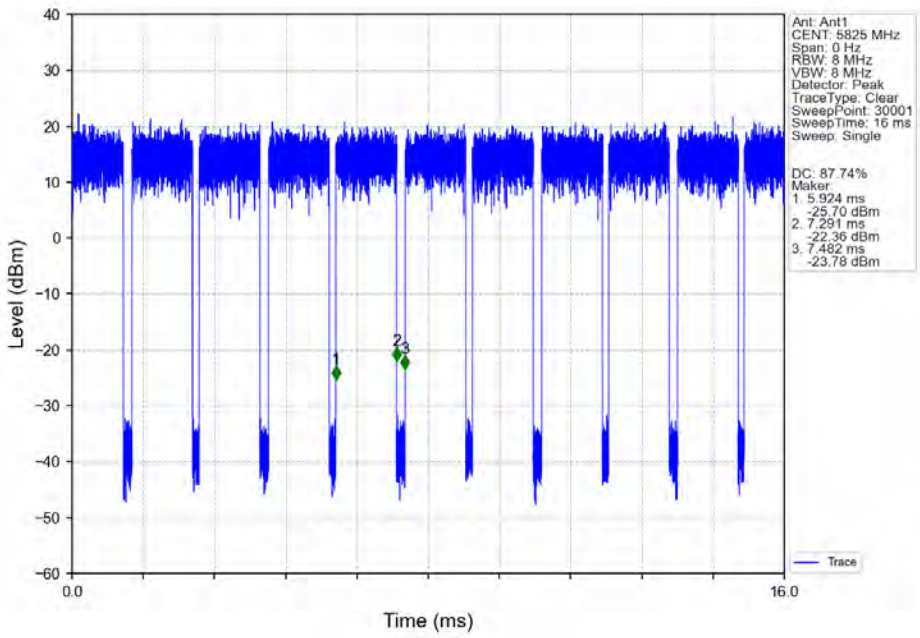
802.11a_LCH_5745MHz_Ant1_NTNV



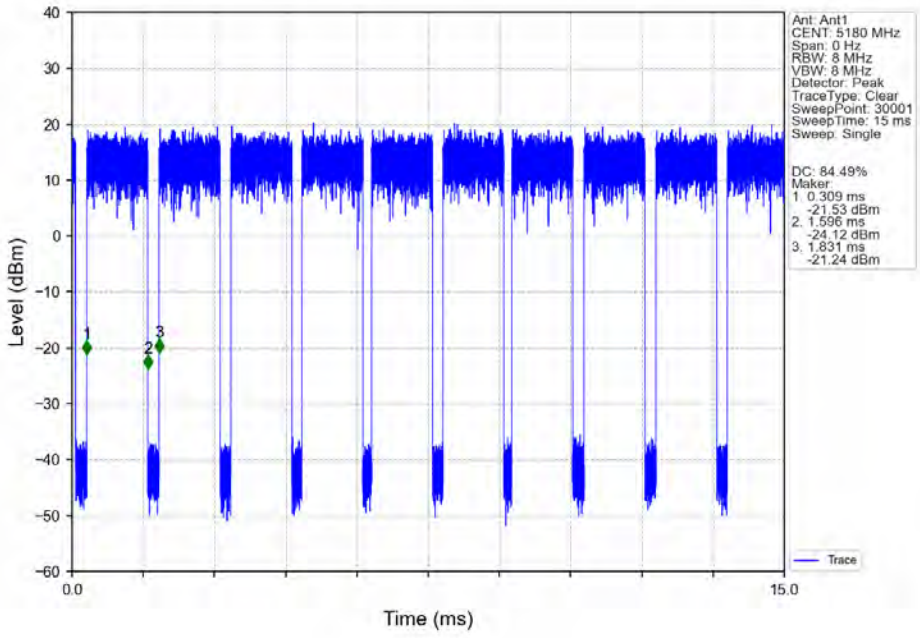
802.11a_MCH_5785MHz_Ant1_NTNV



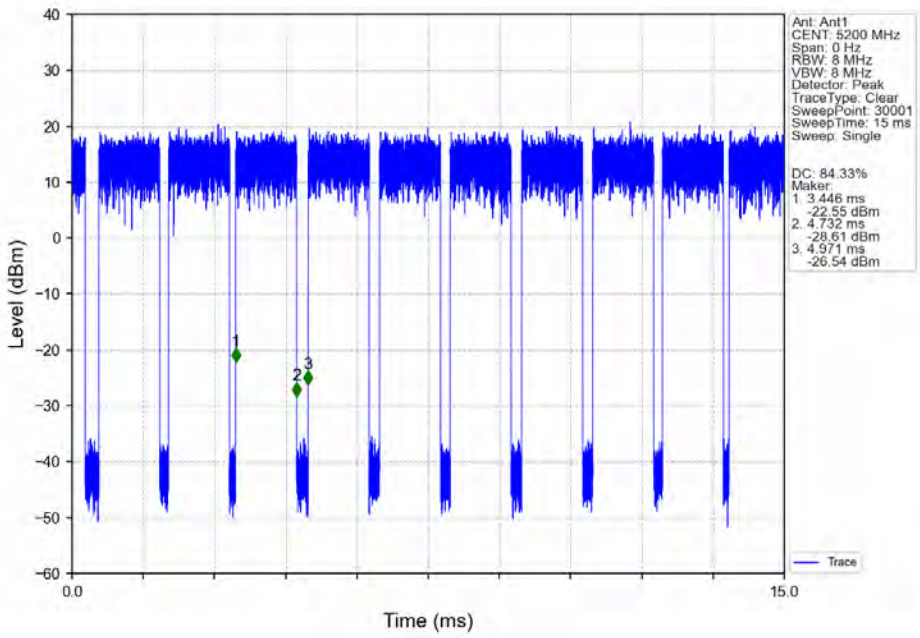
802.11a_HCH_5825MHz_Ant1_NTNV



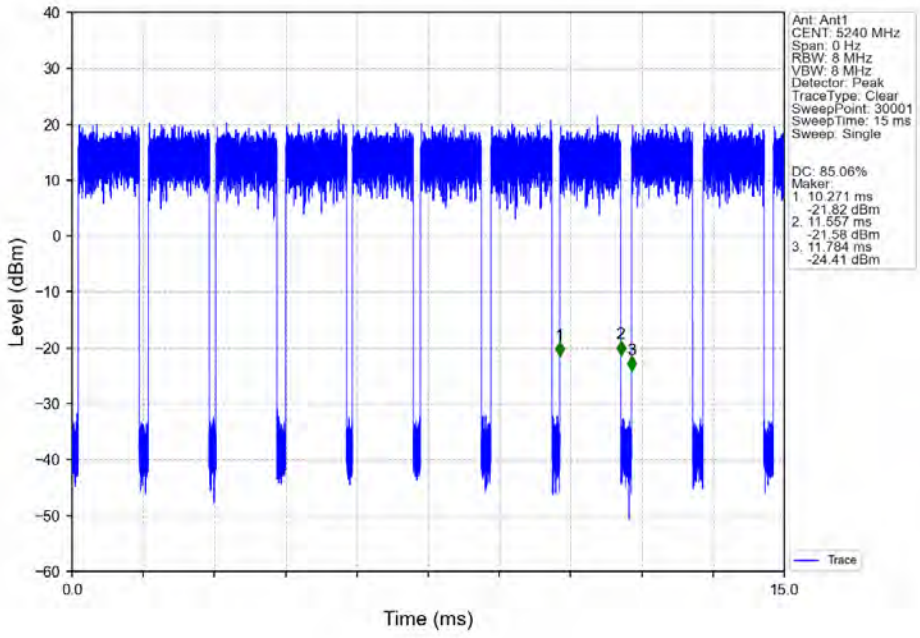
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



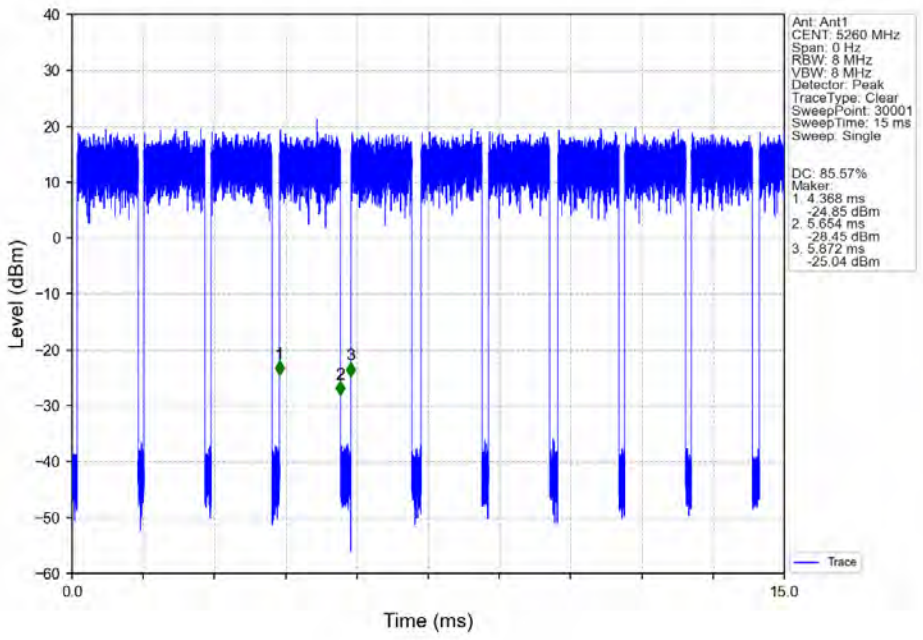
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



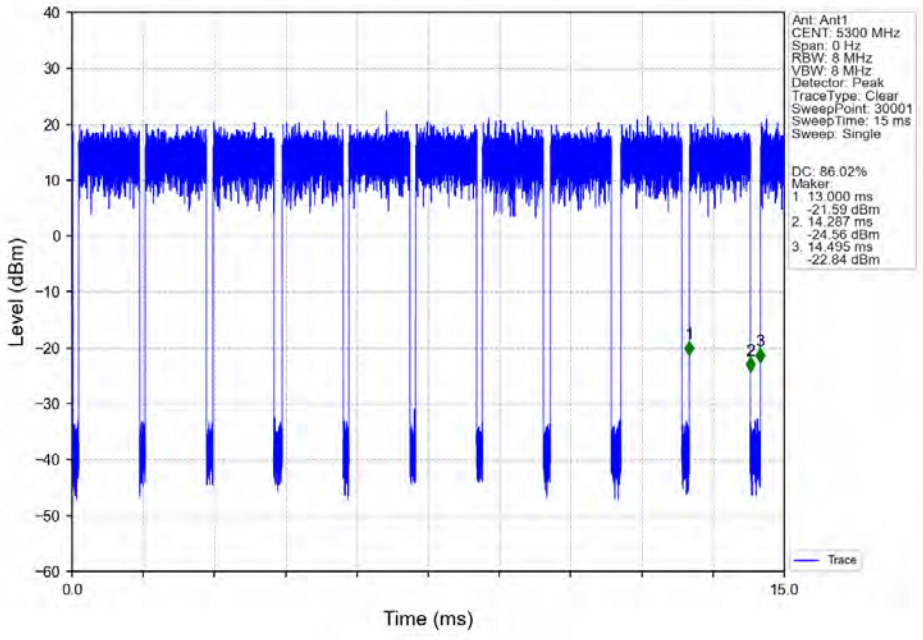
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



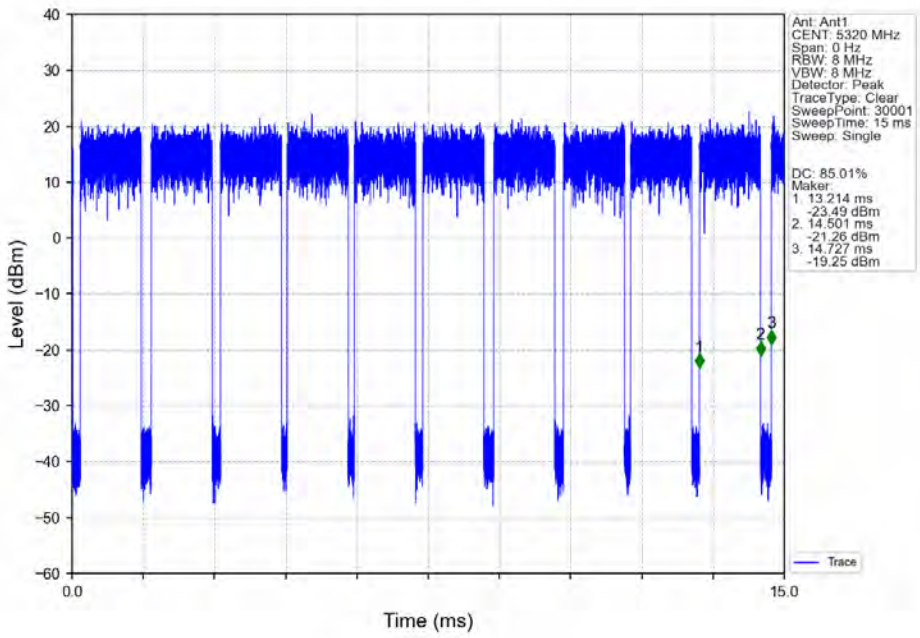
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



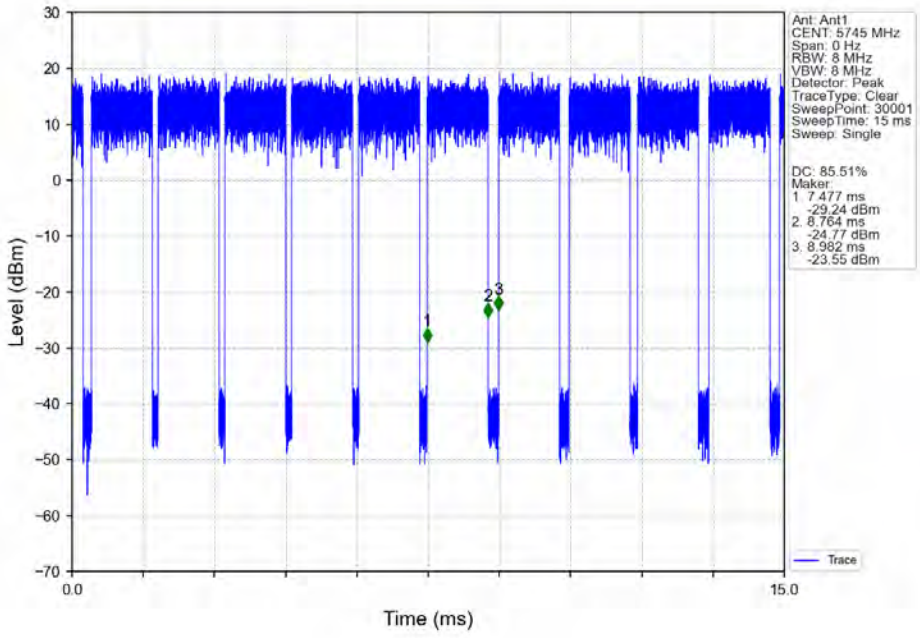
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



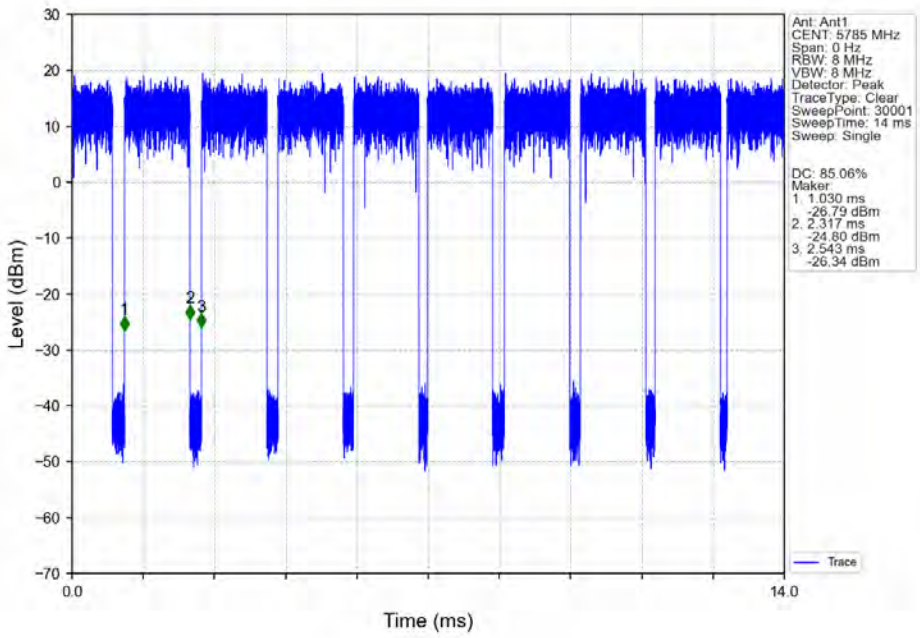
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



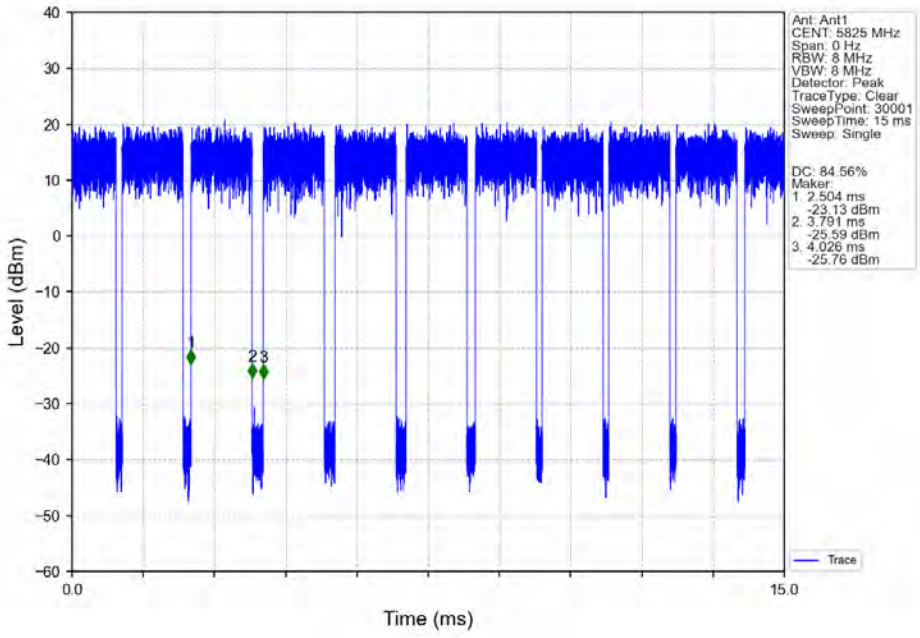
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



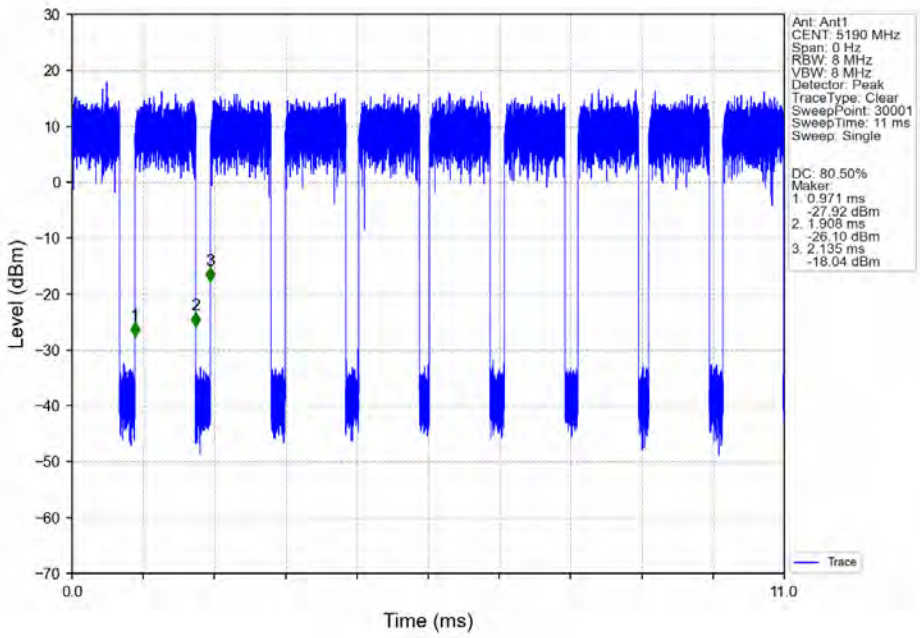
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



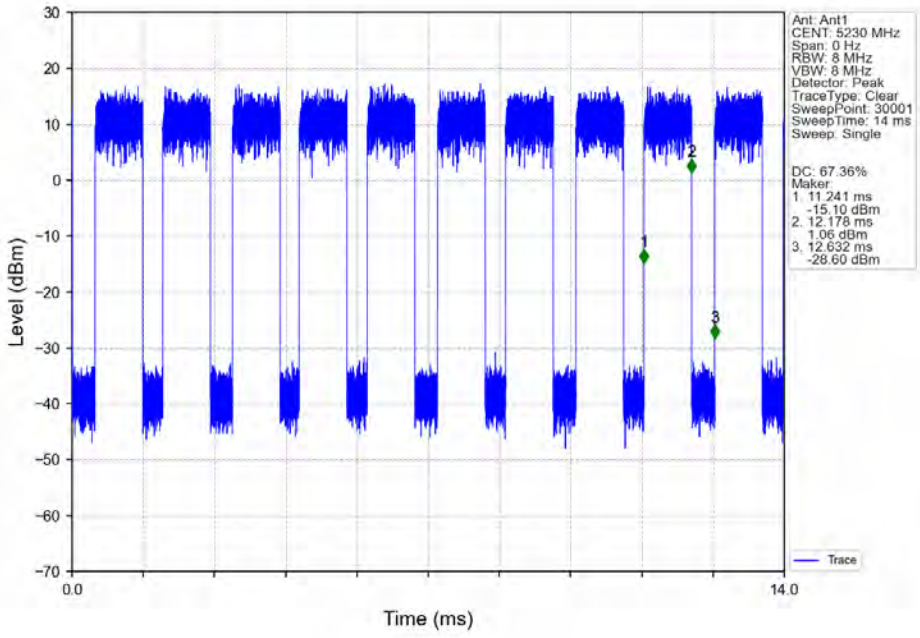
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



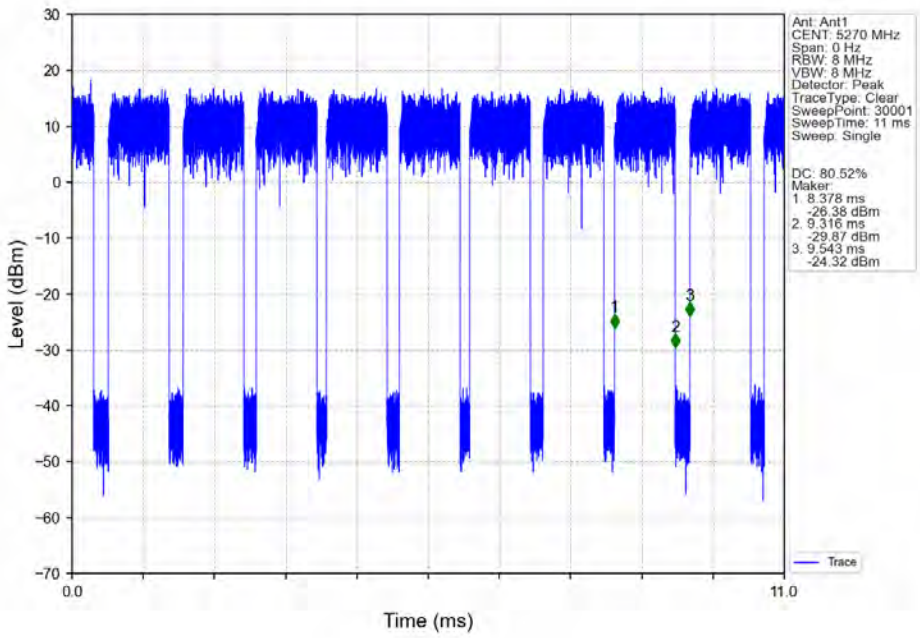
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



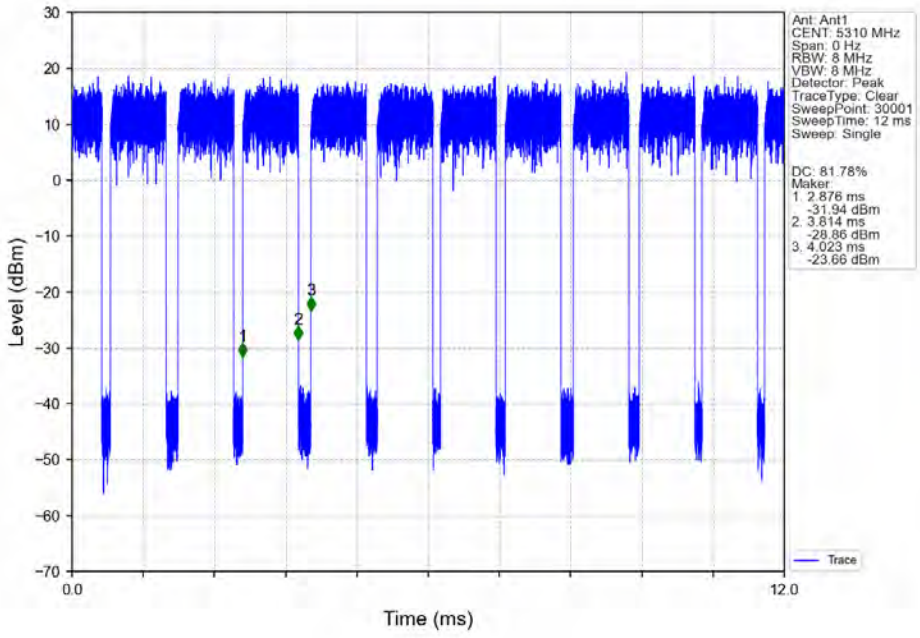
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



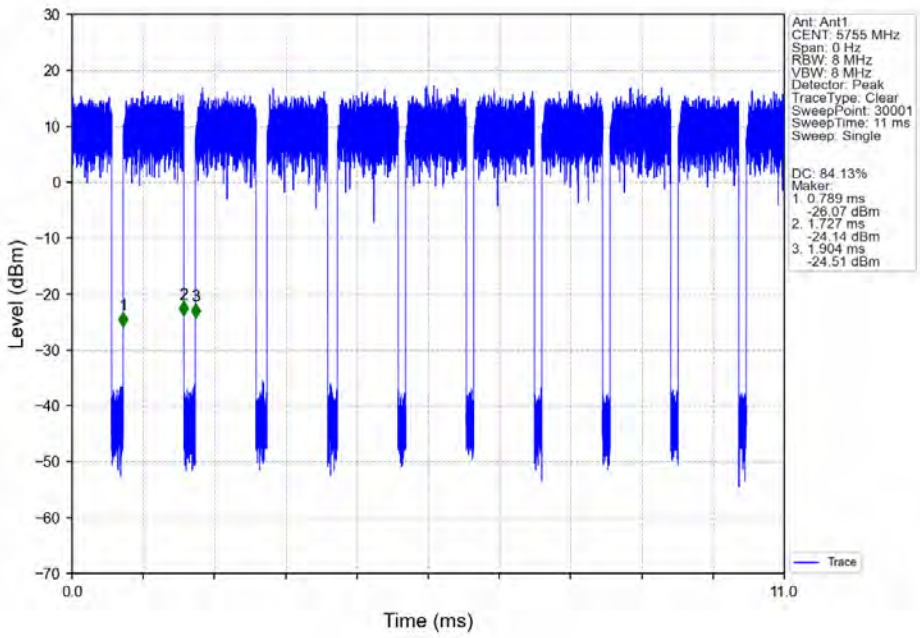
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



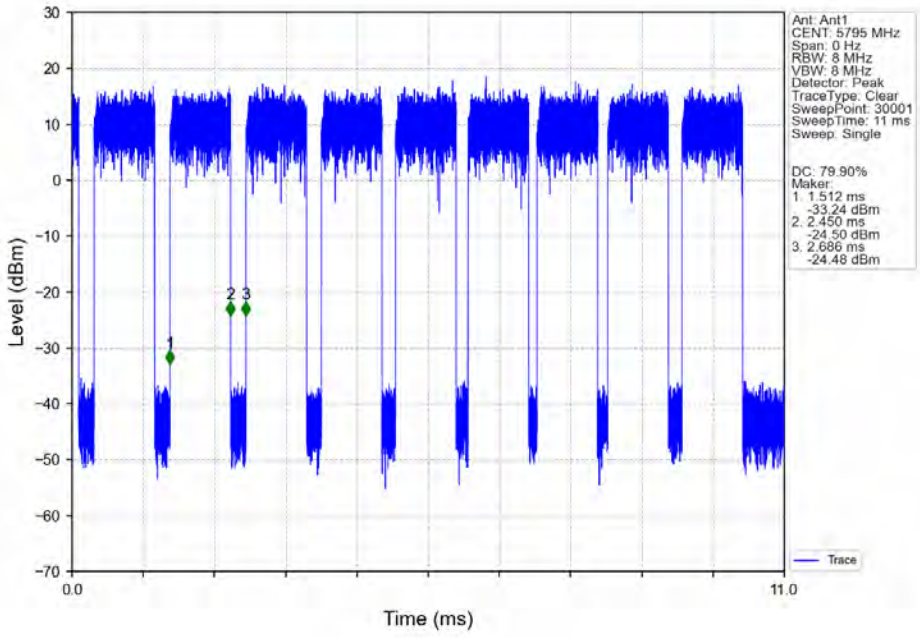
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



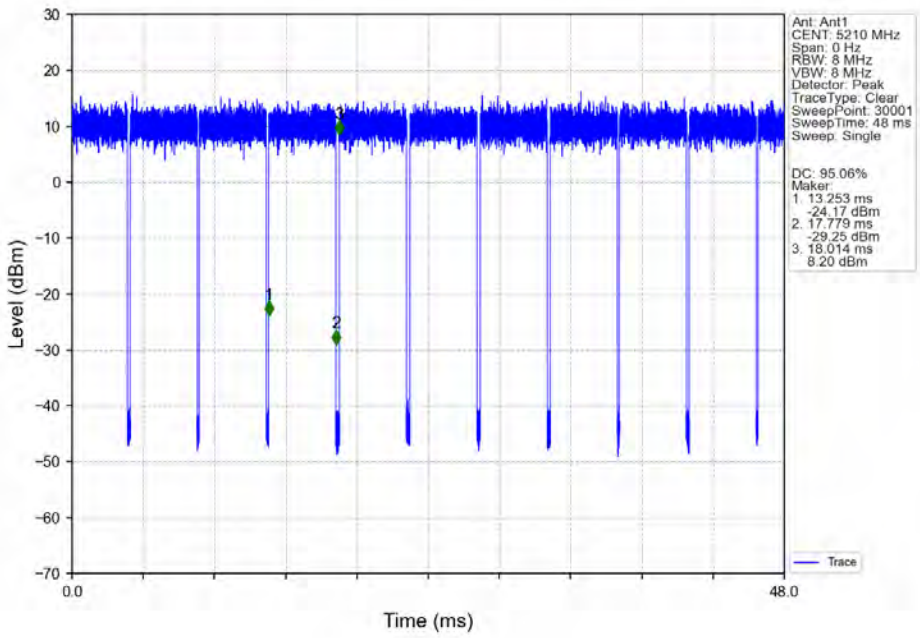
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



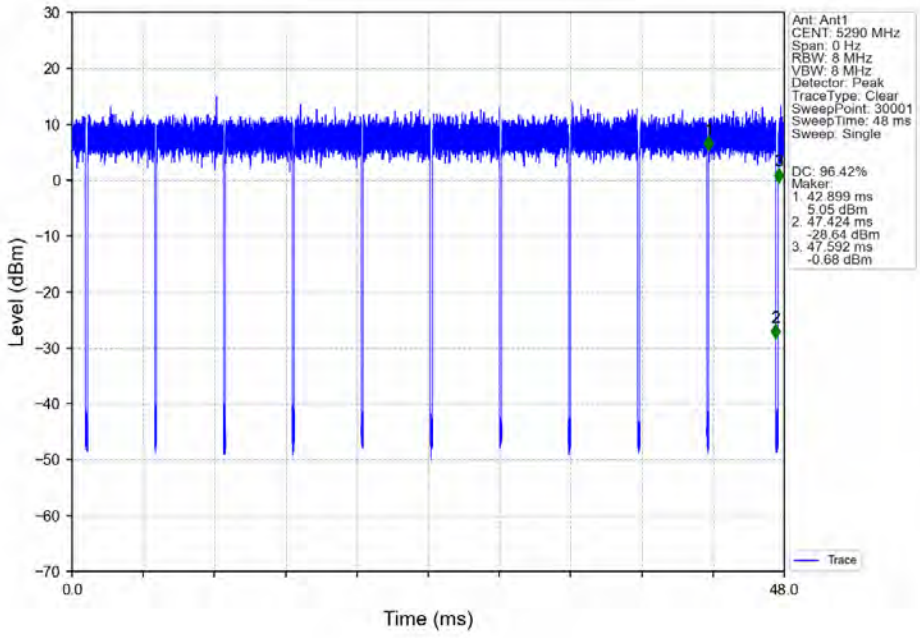
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



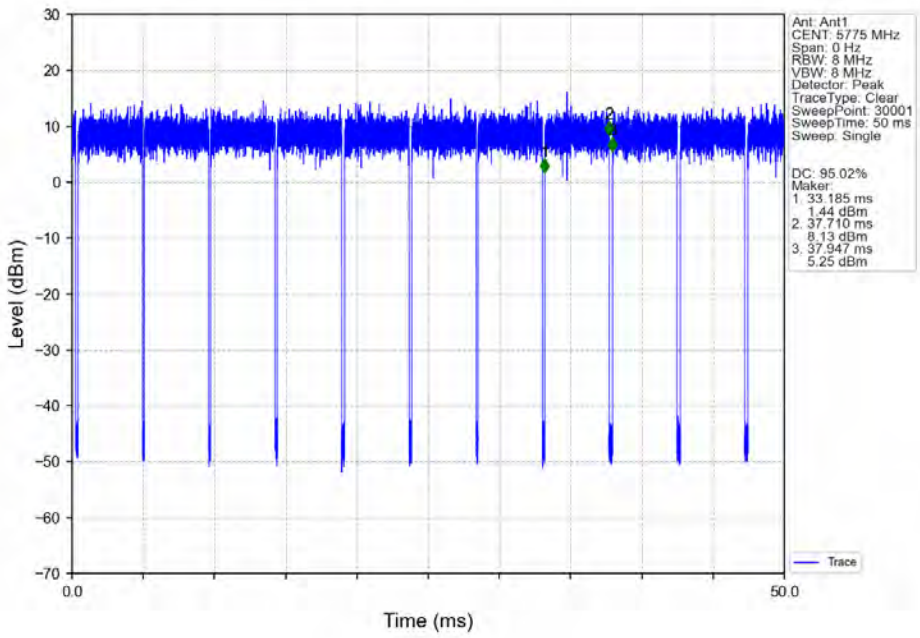
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



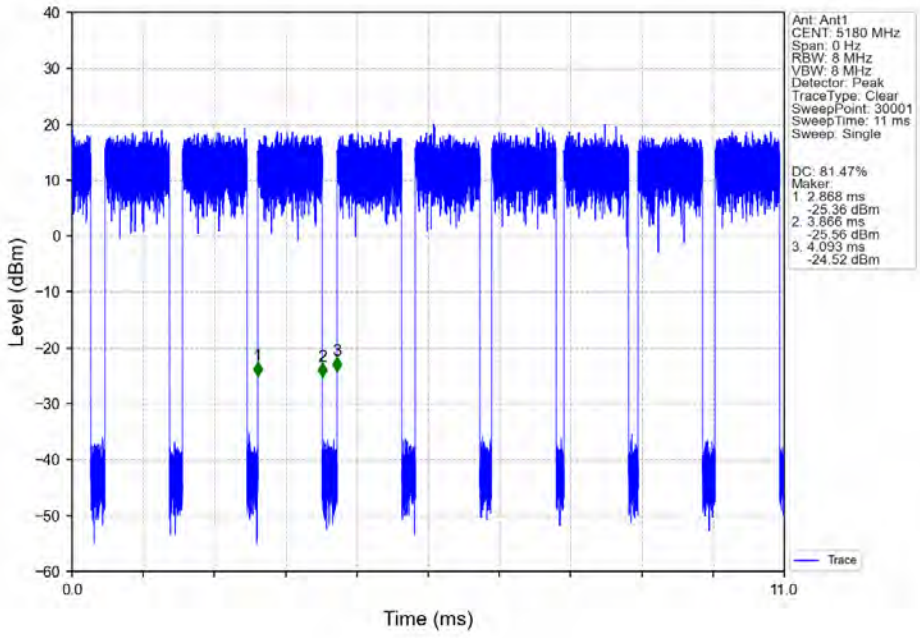
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



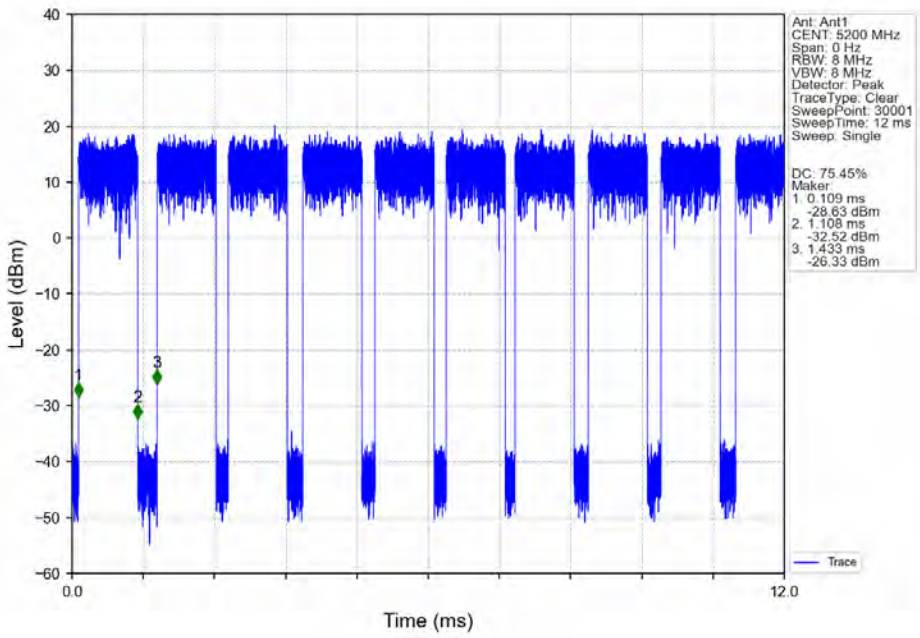
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



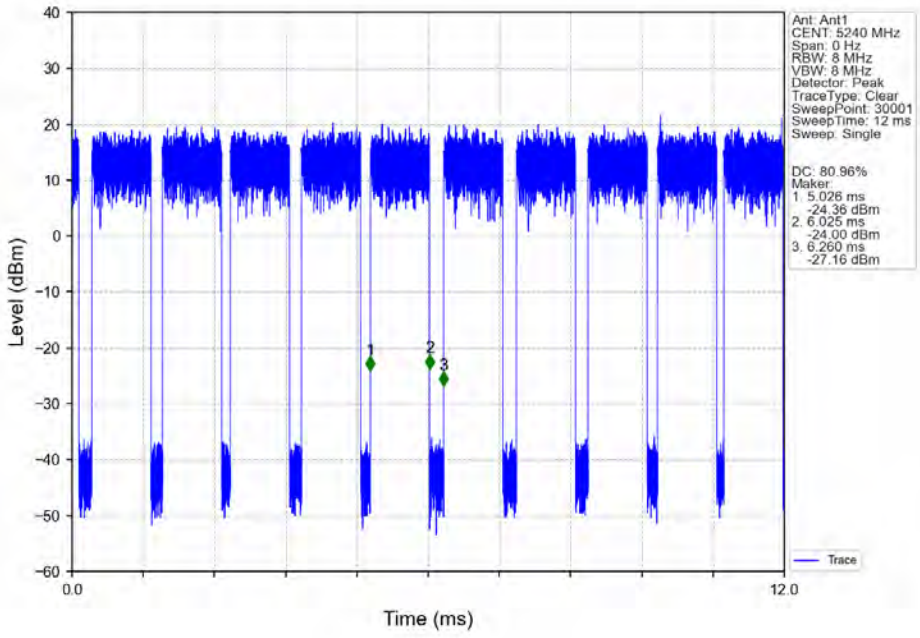
802.11ax(HE20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



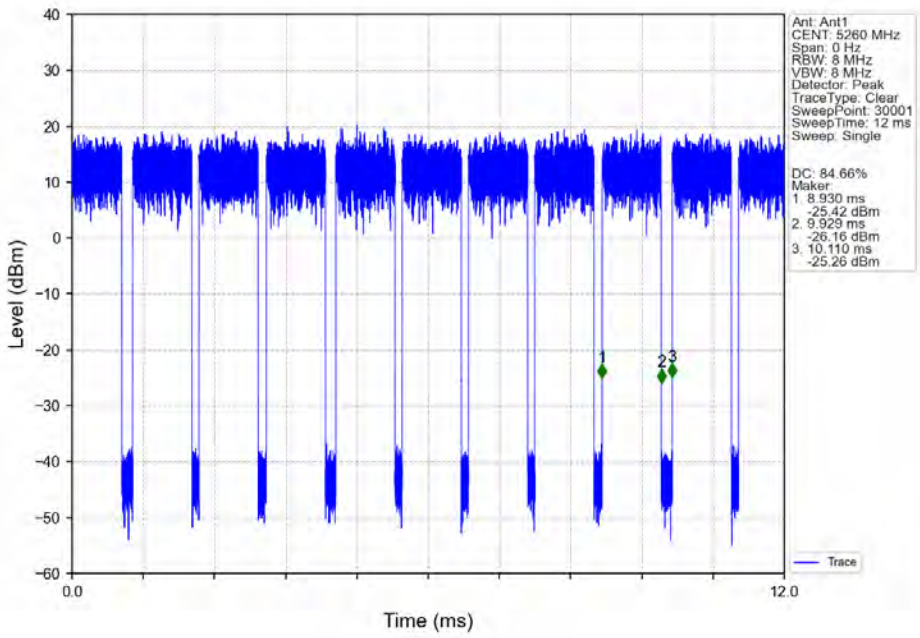
802.11ax(HE20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



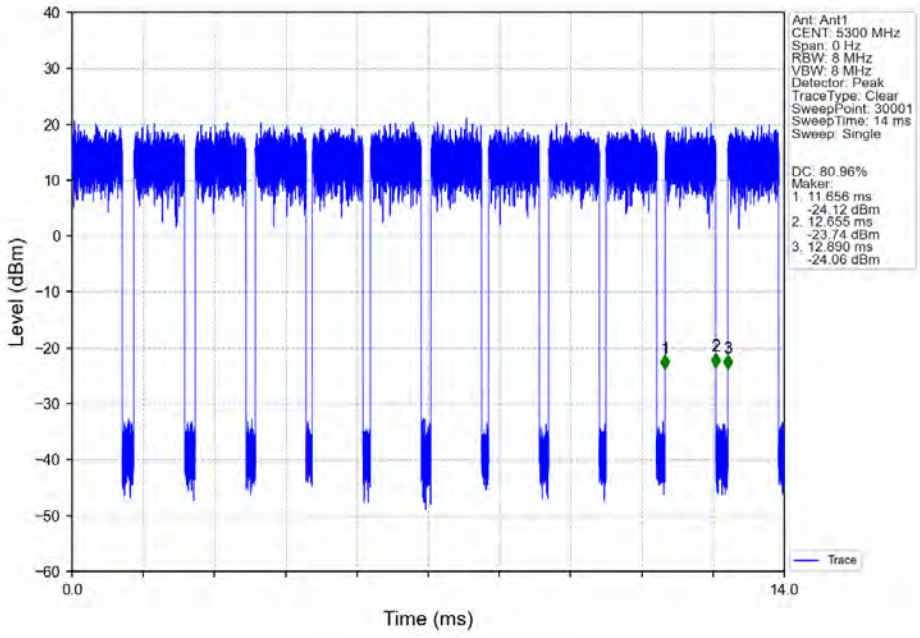
802.11ax(HE20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



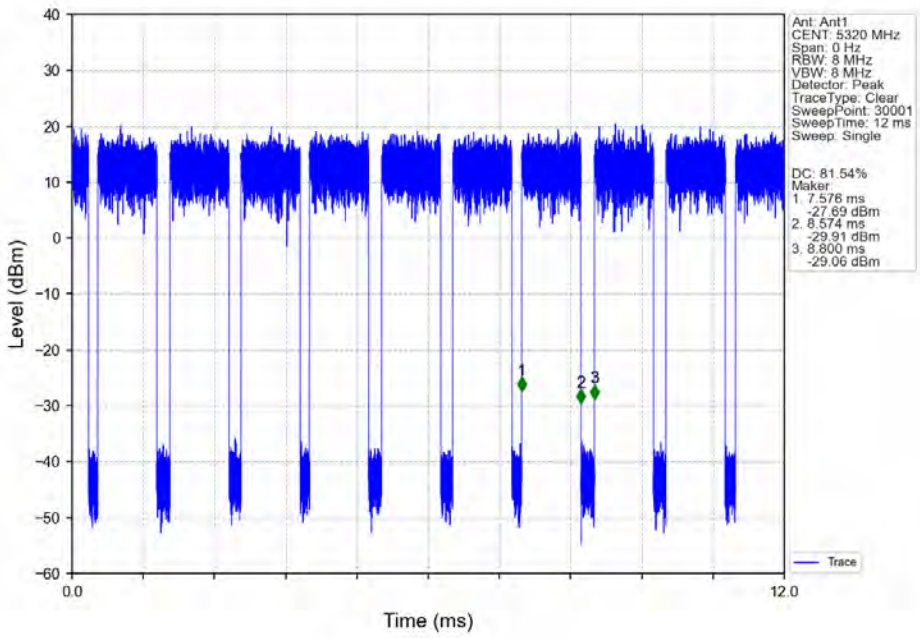
802.11ax(HE20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



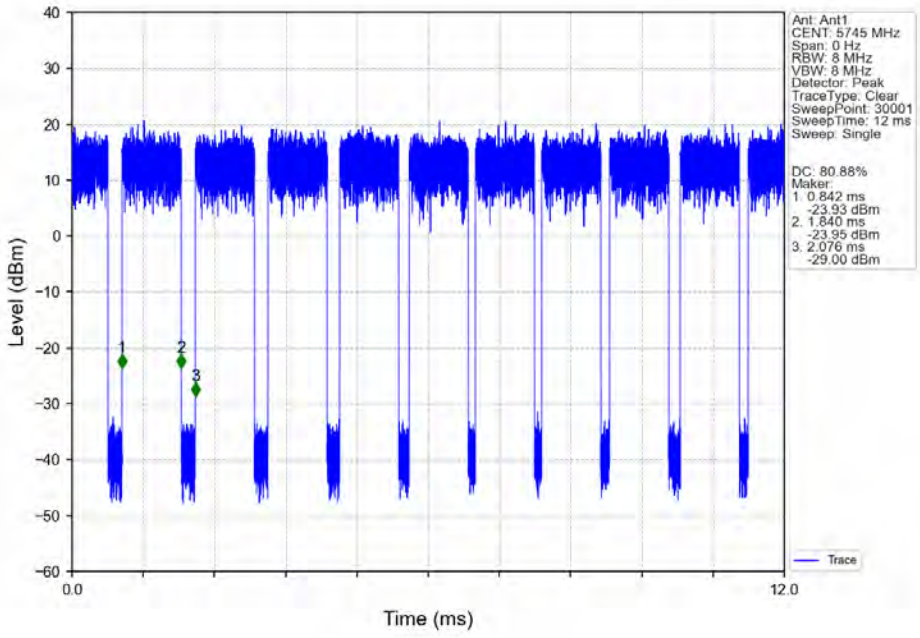
802.11ax(HE20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



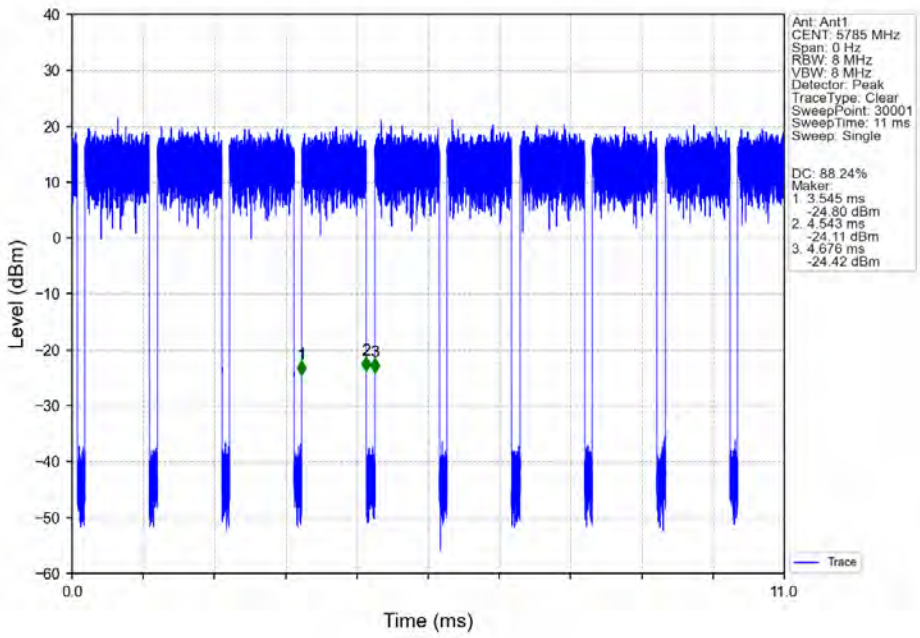
802.11ax(HE20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



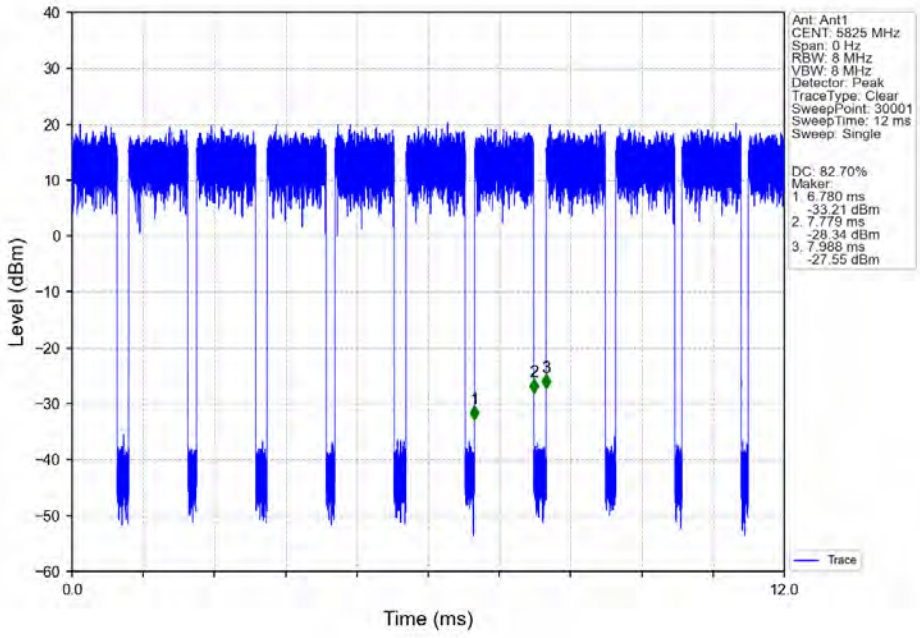
802.11ax(HE20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



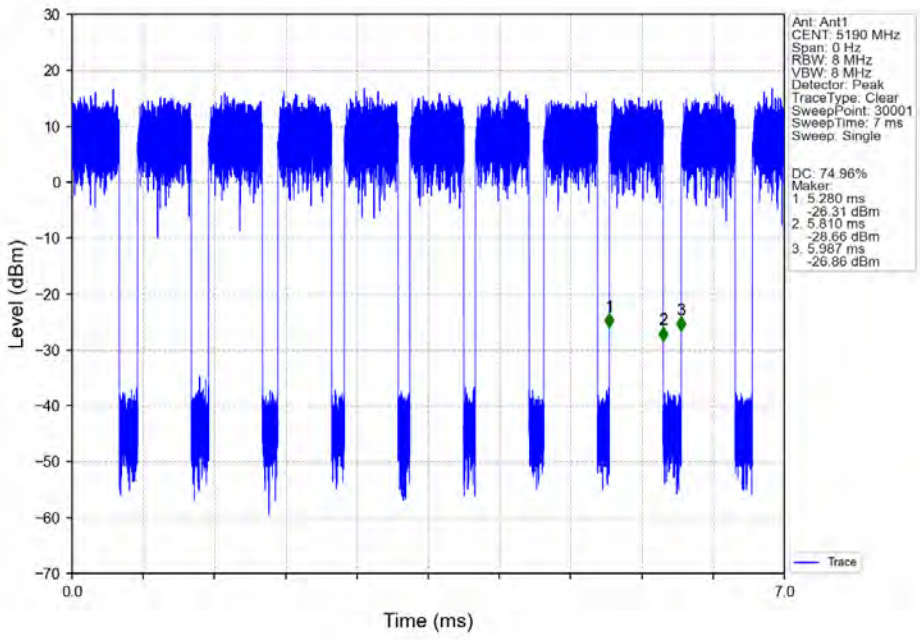
802.11ax(HE20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



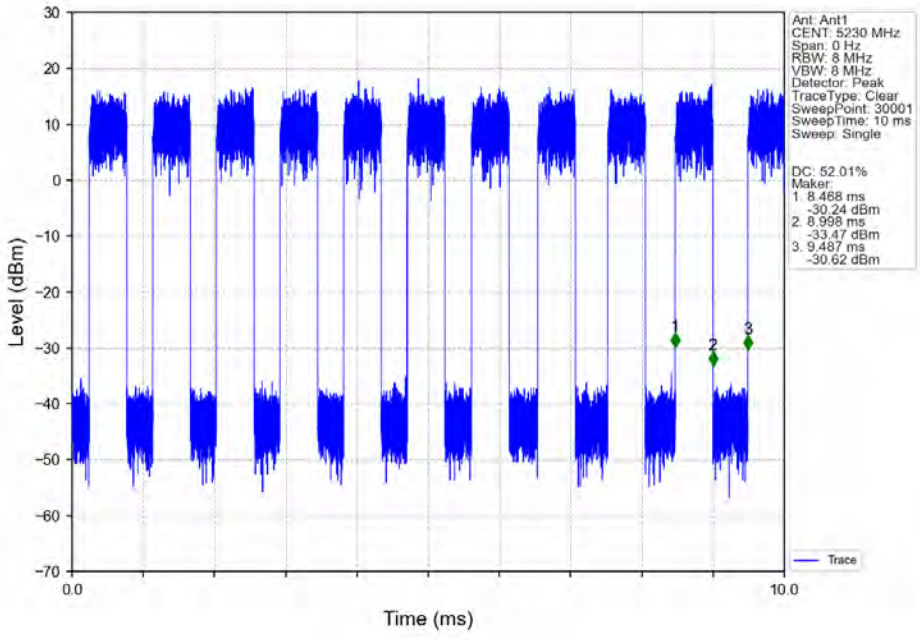
802.11ax(HE20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



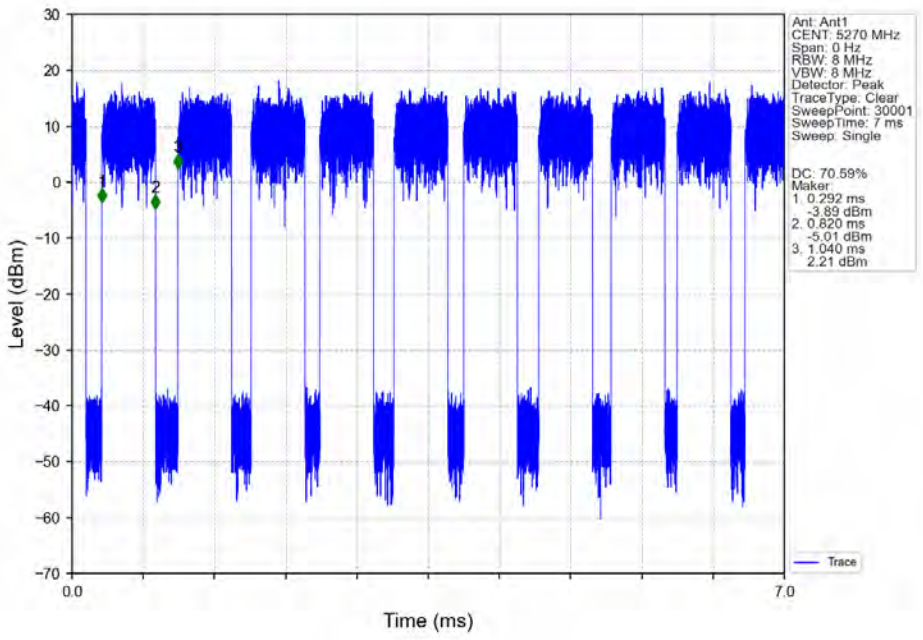
802.11ax(HE40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



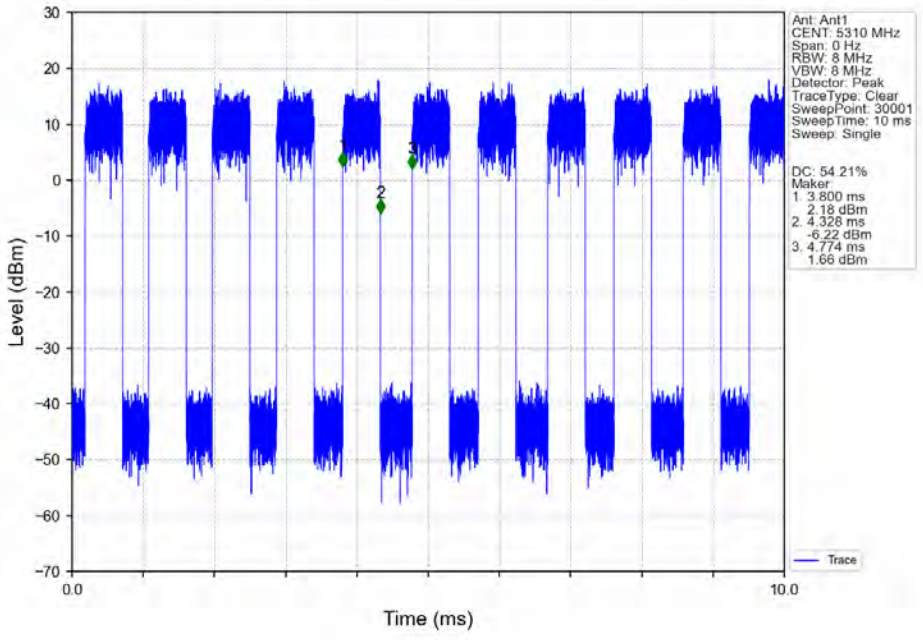
802.11ax(HE40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



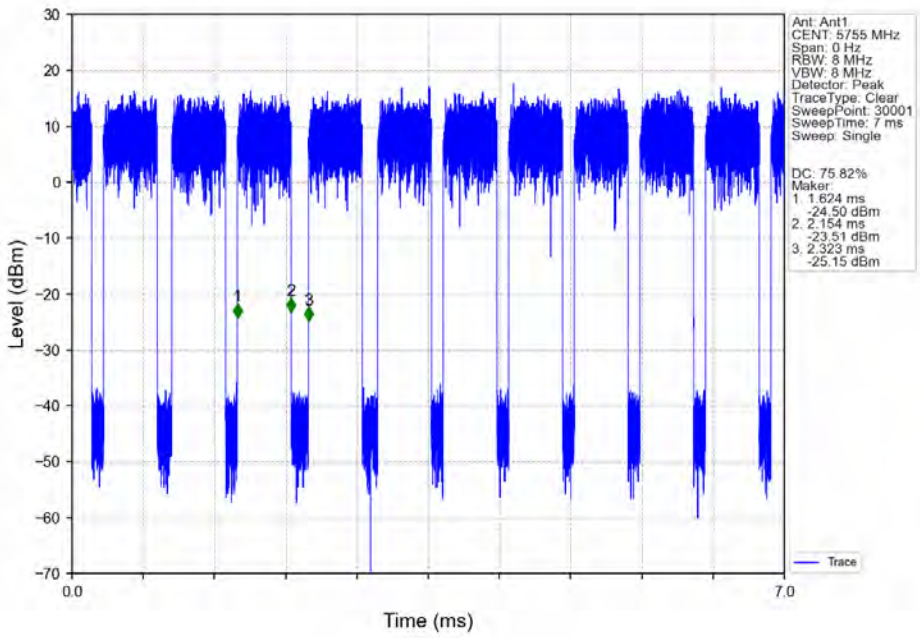
802.11ax(HE40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



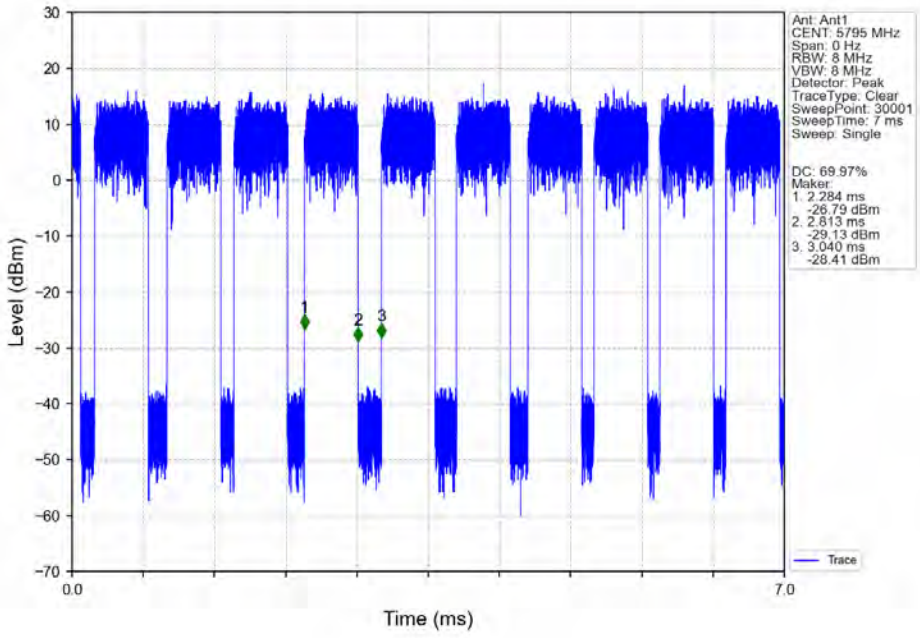
802.11ax(HE40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



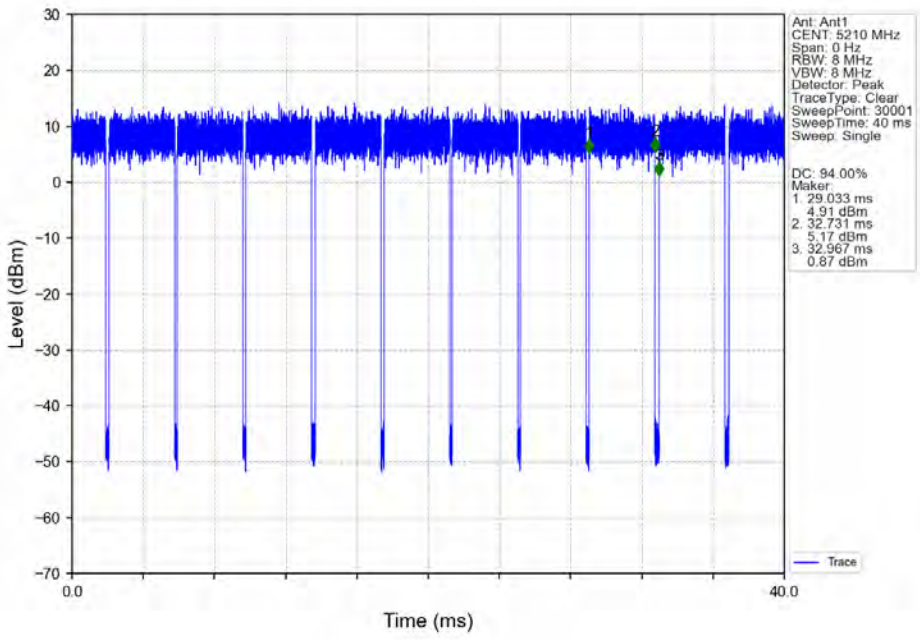
802.11ax(HE40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



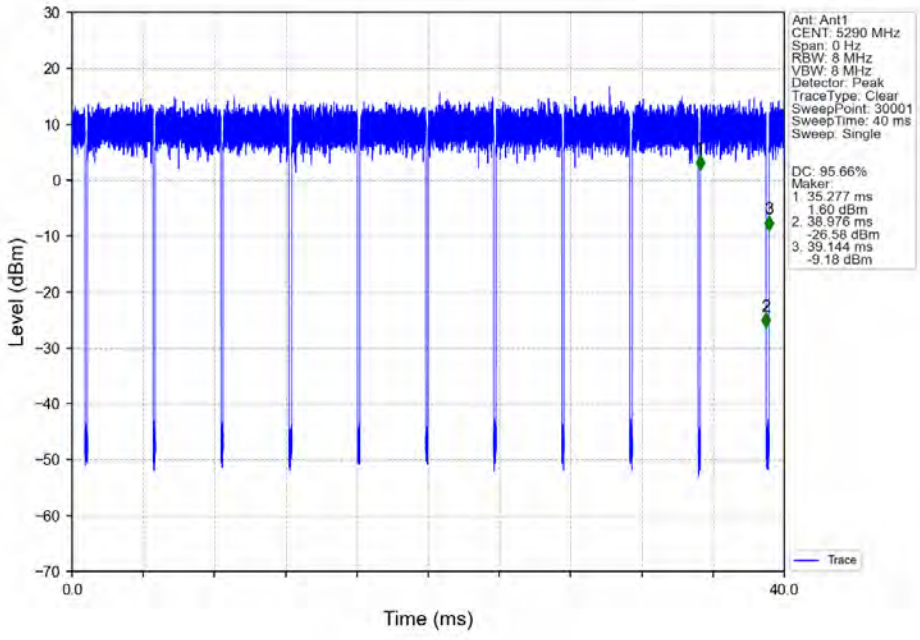
802.11ax(HE40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



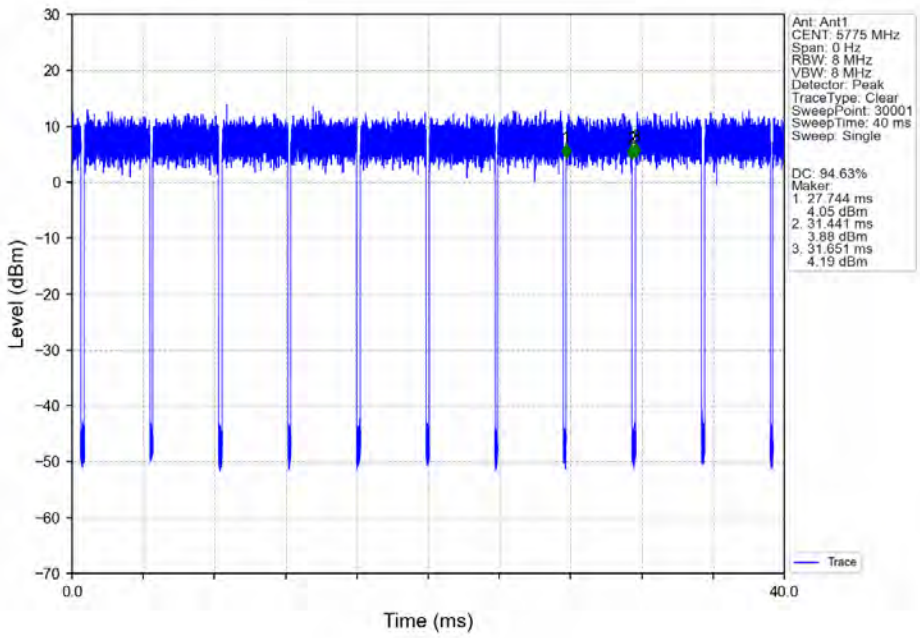
802.11ax(HE80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HE80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



802.11ax(HE80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	18.346	/	Pass
		5200	/	/	1	19.054	/	Pass
		5240	/	/	1	18.876	/	Pass
		5260	/	/	1	18.542	/	Pass
		5300	/	/	1	18.759	/	Pass
		5320	/	/	1	18.797	/	Pass
		5745	/	/	1	19.312	/	Pass
		5785	/	/	1	19.420	/	Pass
		5825	/	/	1	19.456	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.939	/	Pass
		5200	/	/	1	19.870	/	Pass
		5240	/	/	1	19.840	/	Pass
		5260	/	/	1	19.606	/	Pass
		5300	/	/	1	19.781	/	Pass
		5320	/	/	1	19.710	/	Pass
		5745	/	/	1	20.275	/	Pass
		5785	/	/	1	20.214	/	Pass
		5825	/	/	1	20.172	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.506	/	Pass
		5230	/	/	1	37.498	/	Pass
		5270	/	/	1	38.136	/	Pass
		5310	/	/	1	37.886	/	Pass
		5755	/	/	1	38.495	/	Pass
		5795	/	/	1	38.485	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	77.060	/	Pass
		5290	/	/	1	76.935	/	Pass
		5775	/	/	1	78.852	/	Pass
802.11ax (HE20)	SISO	5180	RU242	Left	1	20.045	/	Pass
		5200	RU242	Left	1	20.106	/	Pass
		5240	RU242	Left	1	20.050	/	Pass
		5260	RU242	Left	1	20.064	/	Pass
		5300	RU242	Left	1	20.084	/	Pass
		5320	RU242	Left	1	20.039	/	Pass
		5745	RU242	Left	1	20.352	/	Pass
		5785	RU242	Left	1	20.410	/	Pass

		5825	RU242	Left	1	20.302	/	Pass
802.11ax (HE40)	SISO	5190	RU484	Left	1	39.358	/	Pass
		5230	RU484	Left	1	39.252	/	Pass
		5270	RU484	Left	1	39.234	/	Pass
		5310	RU484	Left	1	38.944	/	Pass
		5755	RU484	Left	1	39.722	/	Pass
		5795	RU484	Left	1	39.732	/	Pass
802.11ax (HE80)	SISO	5210	RU996	Left	1	78.643	/	Pass
		5290	RU996	Left	1	78.709	/	Pass
		5775	RU996	Left	1	79.675	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.445	>=0.5	Pass
		5785	/	/	1	16.408	>=0.5	Pass
		5825	/	/	1	16.424	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.655	>=0.5	Pass
		5785	/	/	1	17.648	>=0.5	Pass
		5825	/	/	1	17.659	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.420	>=0.5	Pass
		5795	/	/	1	36.368	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	76.351	>=0.5	Pass
802.11ax (HE20)	SISO	5745	RU242	Left	1	19.038	>=0.5	Pass
		5785	RU242	Left	1	19.070	>=0.5	Pass
		5825	RU242	Left	1	19.073	>=0.5	Pass
802.11ax (HE40)	SISO	5755	RU484	Left	1	38.164	>=0.5	Pass
		5795	RU484	Left	1	38.081	>=0.5	Pass
802.11ax (HE80)	SISO	5775	RU996	Left	1	78.148	>=0.5	Pass

2.1.3 26dB BW

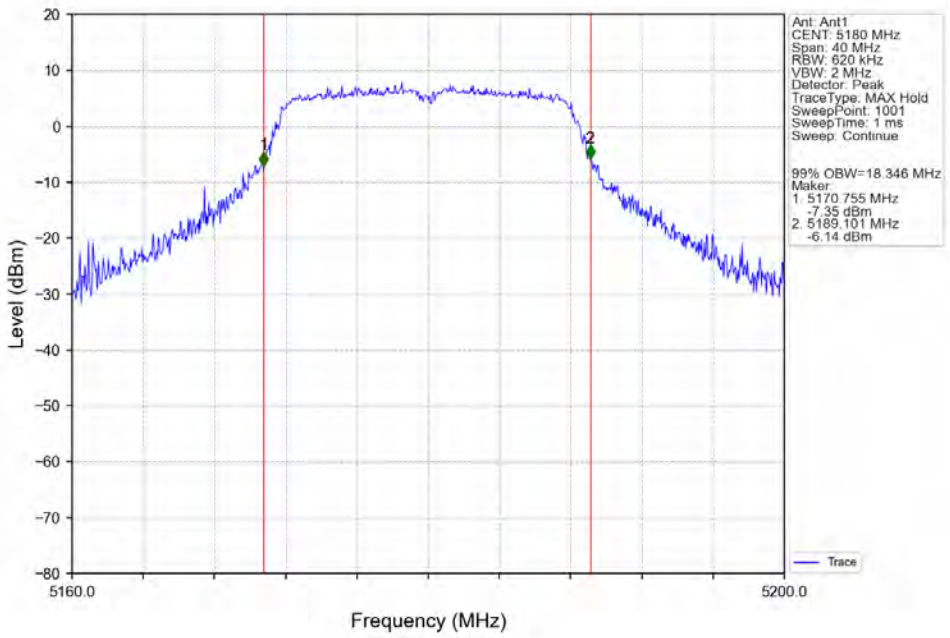
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	24.569	/	Pass
		5200	/	/	1	25.355	/	Pass
		5240	/	/	1	24.916	/	Pass
		5260	/	/	1	25.197	/	Pass
		5300	/	/	1	24.293	/	Pass
		5320	/	/	1	25.211	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	25.791	/	Pass
		5200	/	/	1	26.308	/	Pass

		5240	/	/	1	25.922	/	Pass
		5260	/	/	1	25.117	/	Pass
		5300	/	/	1	25.378	/	Pass
		5320	/	/	1	25.126	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.067	/	Pass
		5230	/	/	1	45.861	/	Pass
		5270	/	/	1	45.992	/	Pass
		5310	/	/	1	44.927	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	96.952	/	Pass
		5290	/	/	1	87.542	/	Pass
802.11ax (HE20)	SISO	5180	RU242	Left	1	25.740	/	Pass
		5200	RU242	Left	1	25.017	/	Pass
		5240	RU242	Left	1	24.752	/	Pass
		5260	RU242	Left	1	24.986	/	Pass
		5300	RU242	Left	1	24.940	/	Pass
		5320	RU242	Left	1	25.328	/	Pass
802.11ax (HE40)	SISO	5190	RU484	Left	1	52.744	/	Pass
		5230	RU484	Left	1	45.061	/	Pass
		5270	RU484	Left	1	50.597	/	Pass
		5310	RU484	Left	1	43.674	/	Pass
802.11ax (HE80)	SISO	5210	RU996	Left	1	87.692	/	Pass
		5290	RU996	Left	1	86.234	/	Pass

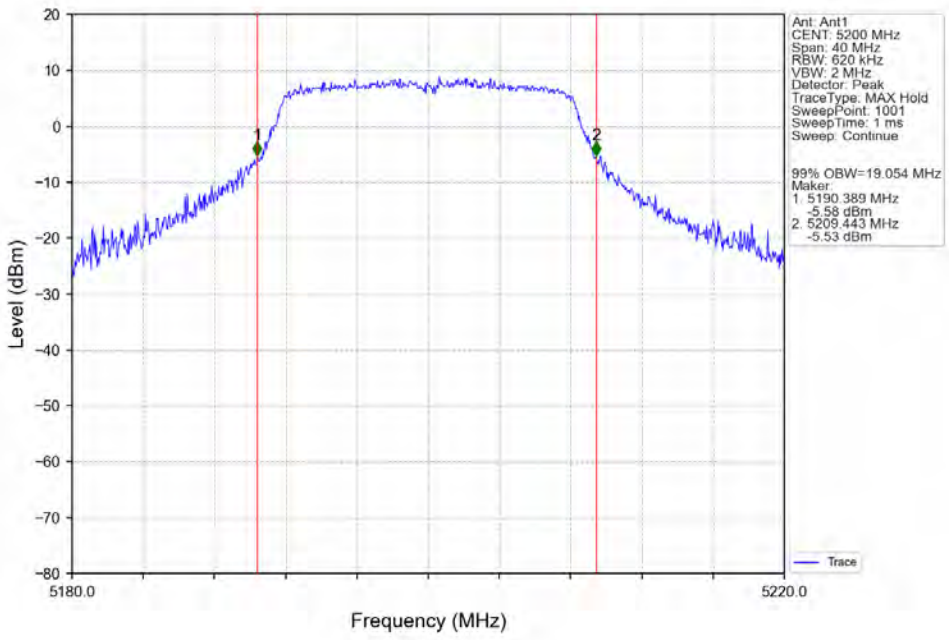
2.2 Test Graph

2.2.1 OBW

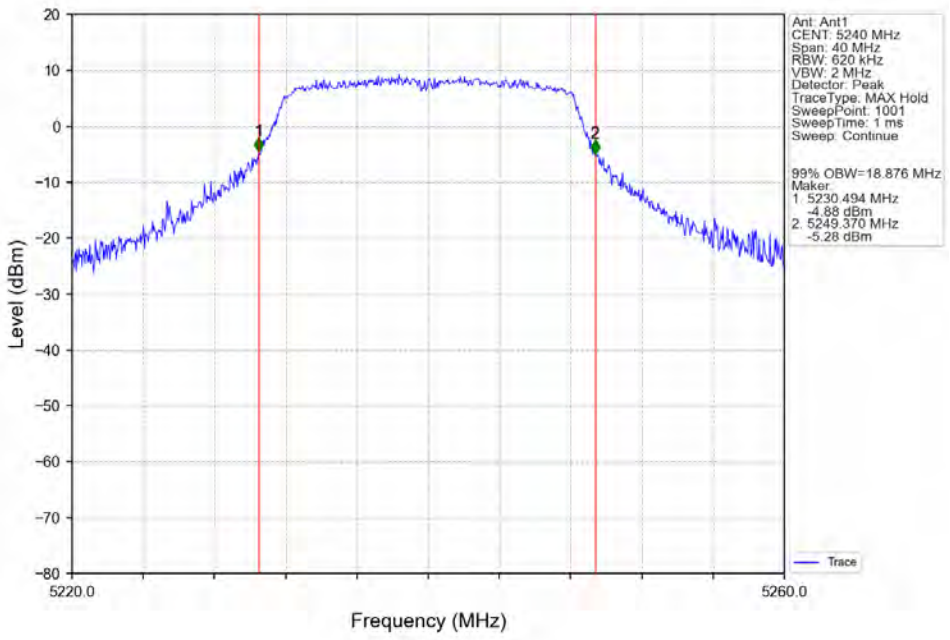
802.11a_LCH_5180MHz_Ant1_NTNV



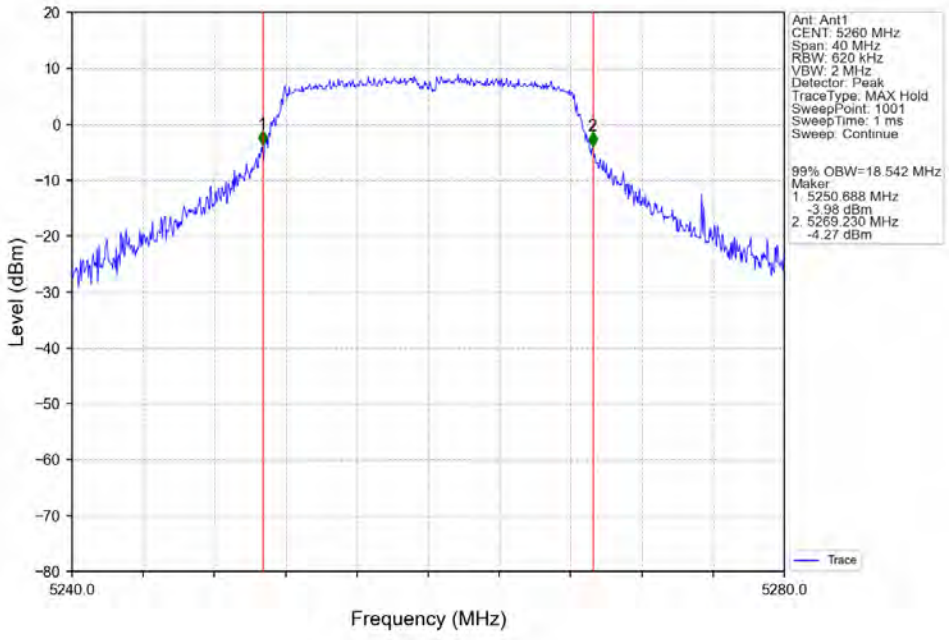
802.11a_MCH_5200MHz_Ant1_NTNV



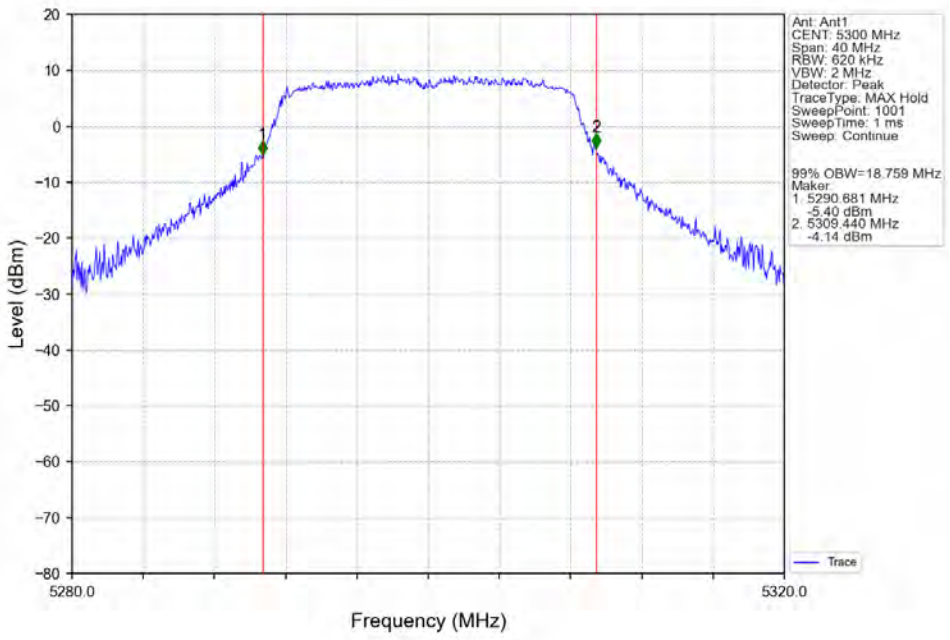
802.11a_HCH_5240MHz_Ant1_NTNV



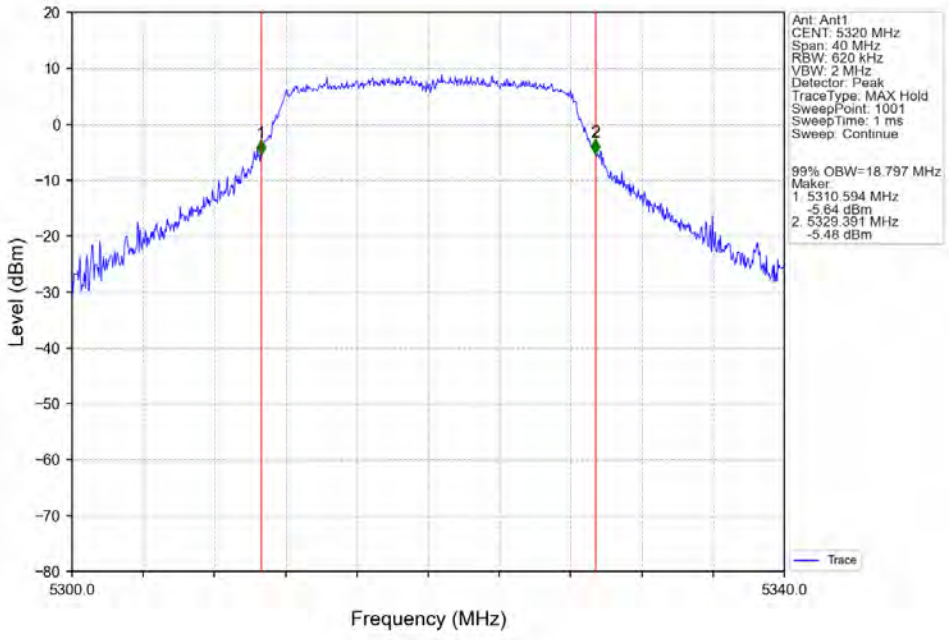
802.11a_LCH_5260MHz_Ant1_NTNV



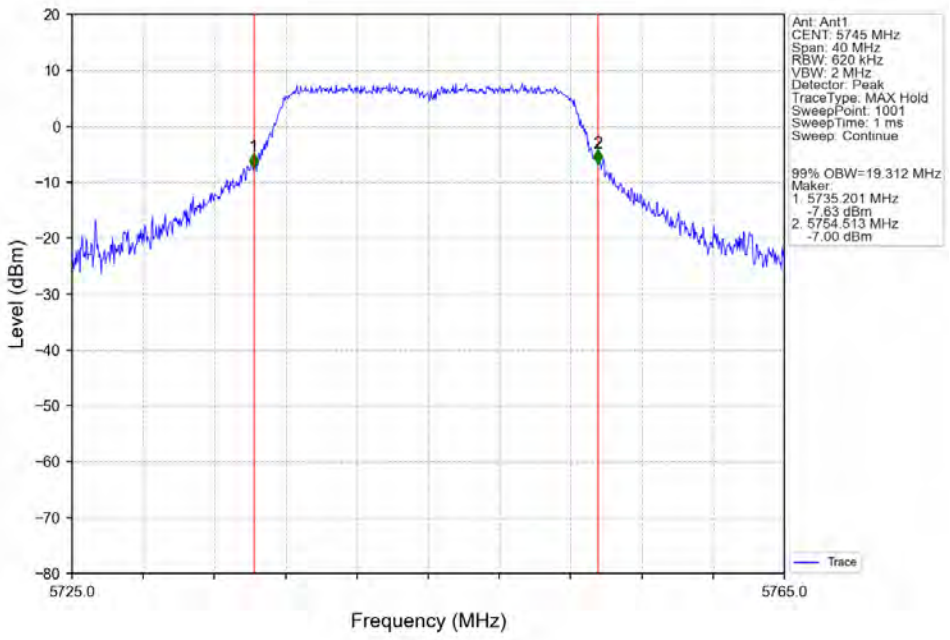
802.11a_MCH_5300MHz_Ant1_NTNV



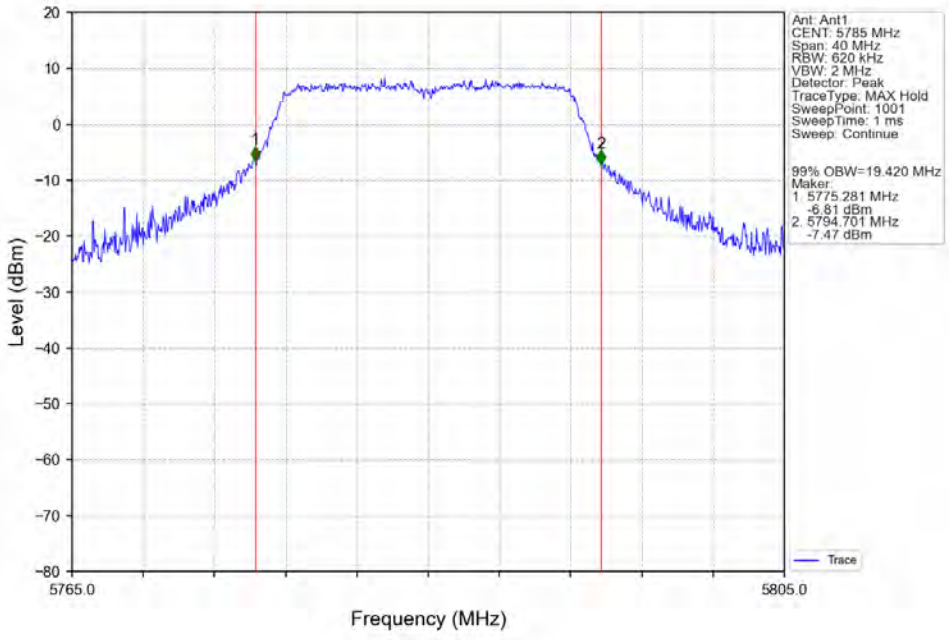
802.11a_HCH_5320MHz_Ant1_NTNV



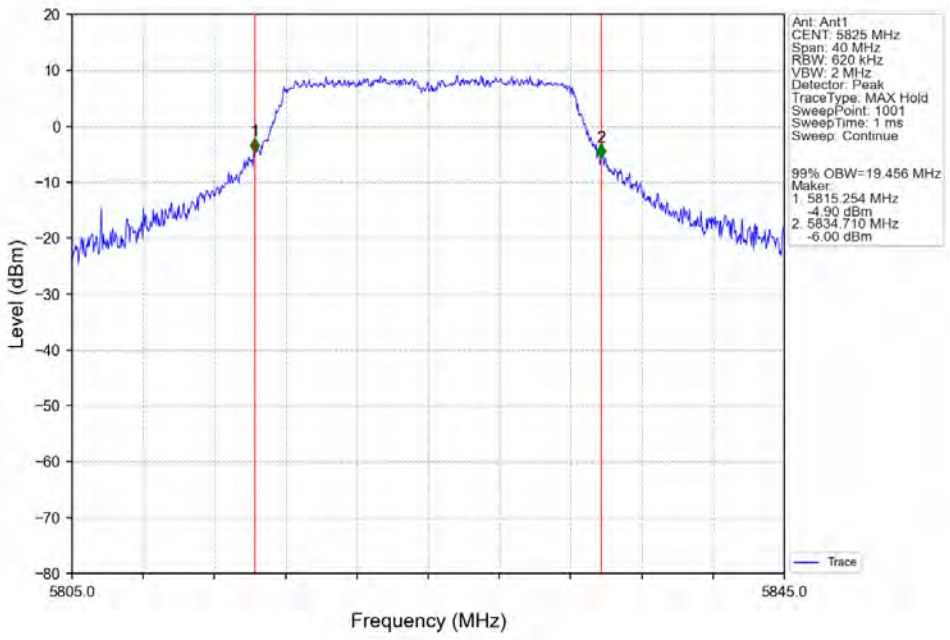
802.11a_LCH_5745MHz_Ant1_NTNV



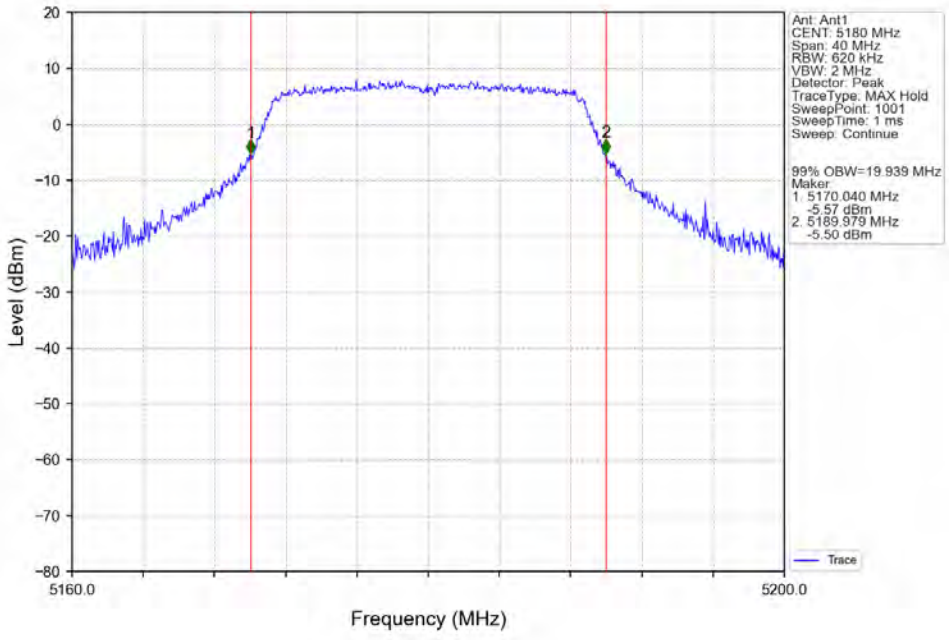
802.11a_MCH_5785MHz_Ant1_NTNV



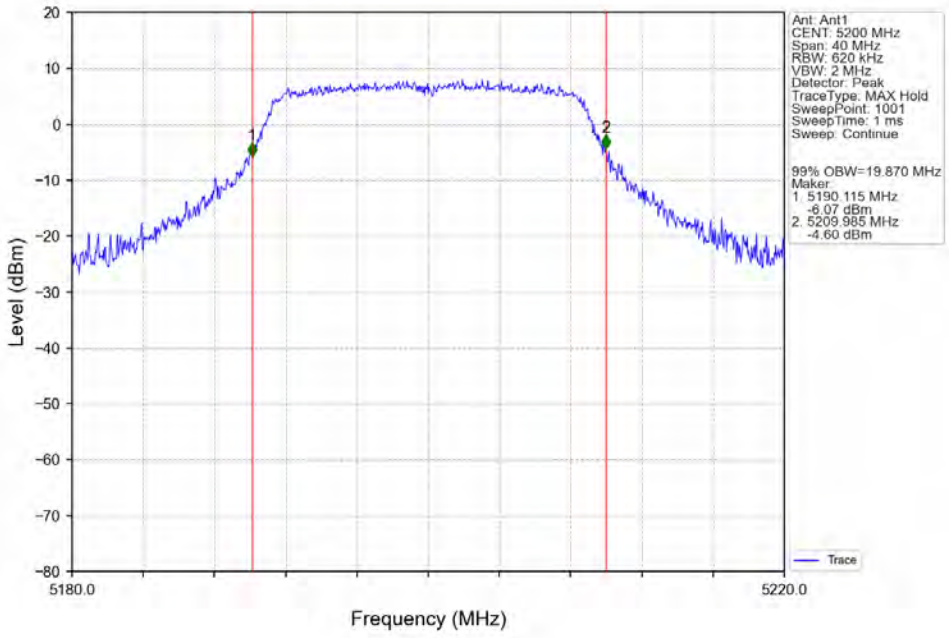
802.11a_HCH_5825MHz_Ant1_NTNV



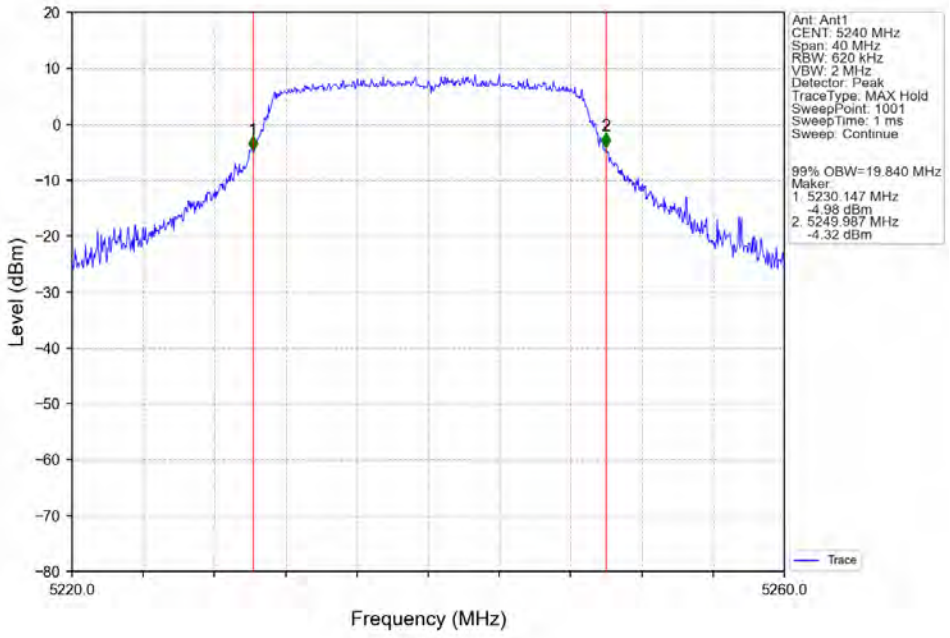
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



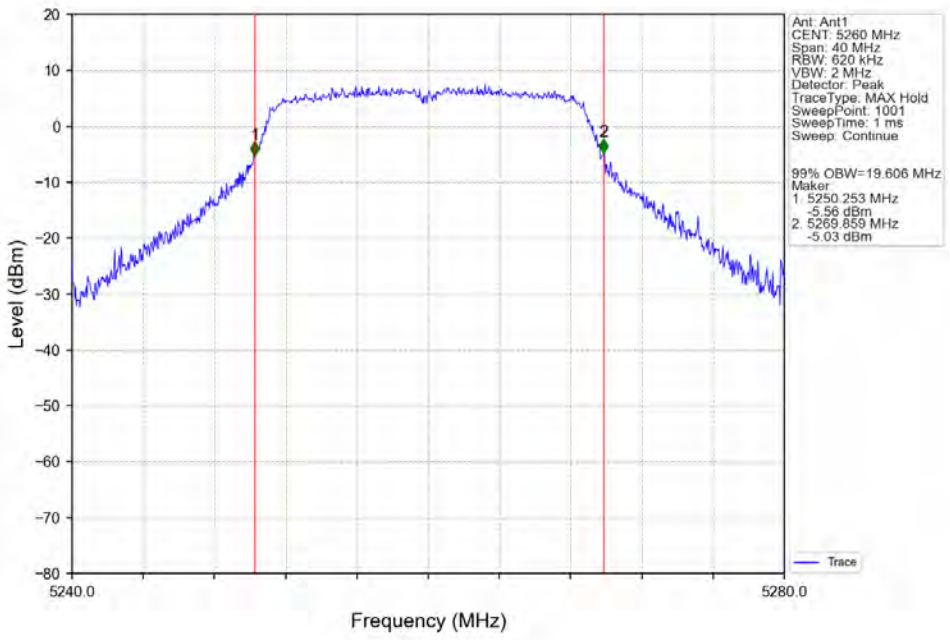
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



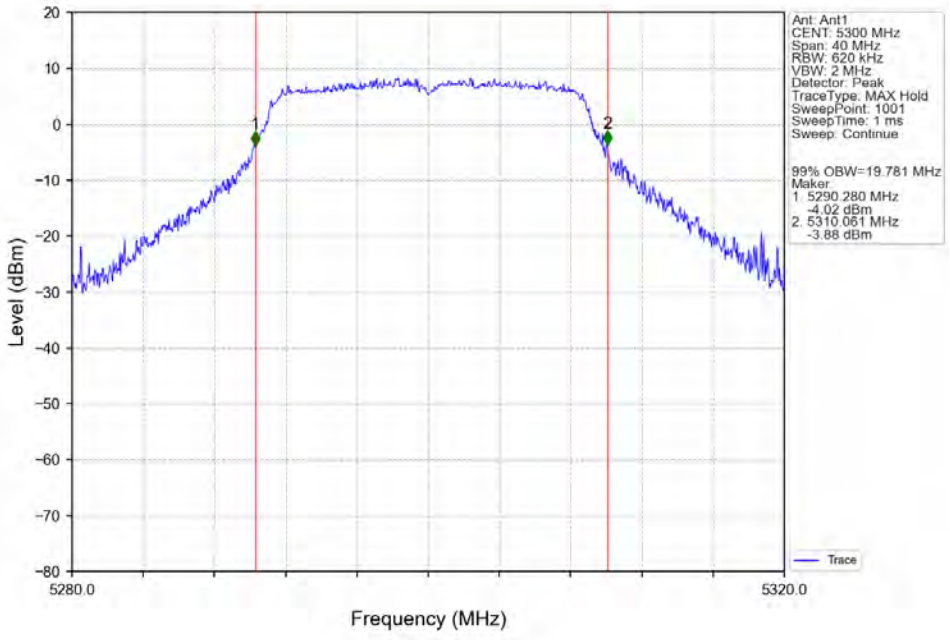
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



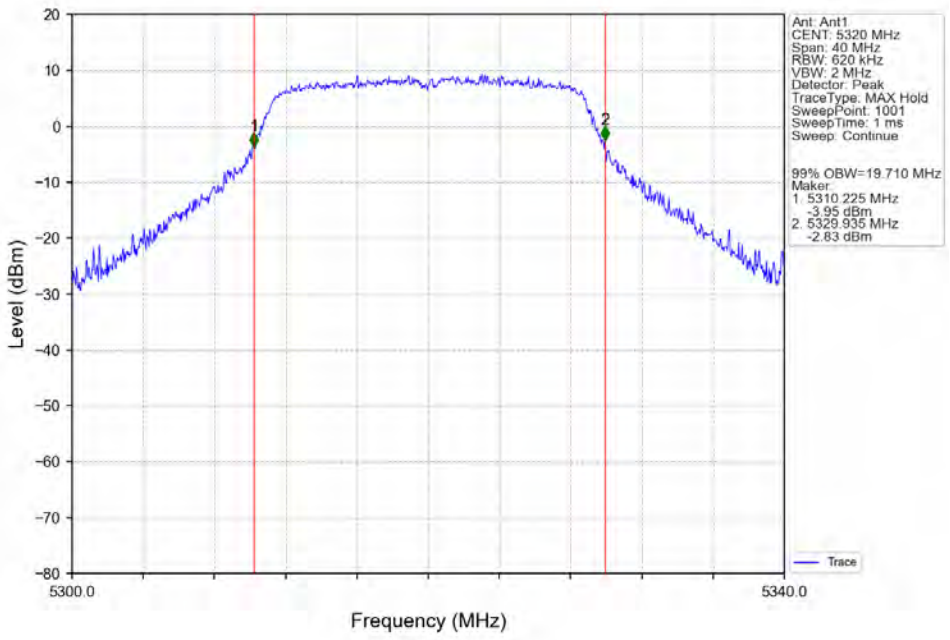
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



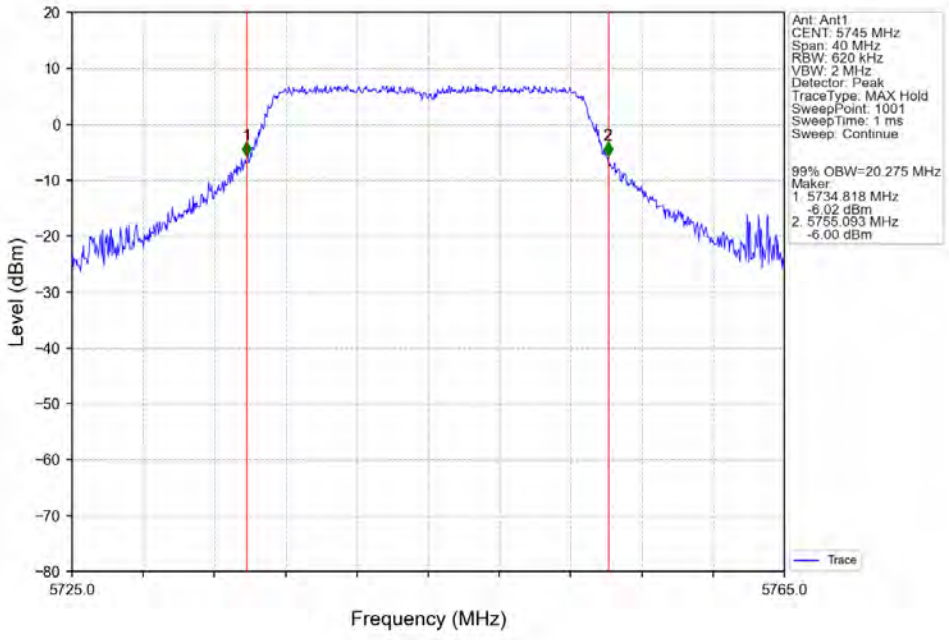
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



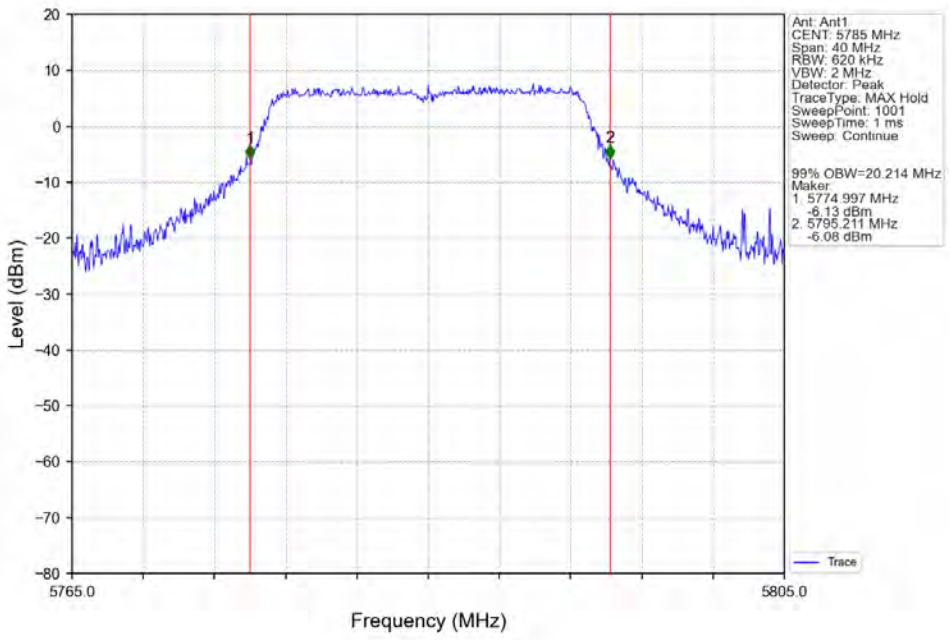
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



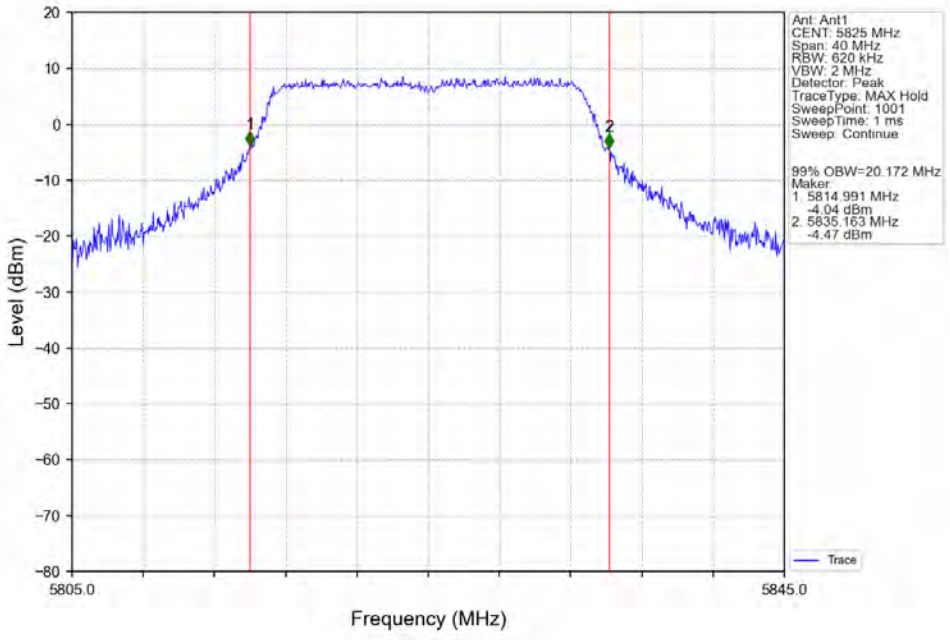
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



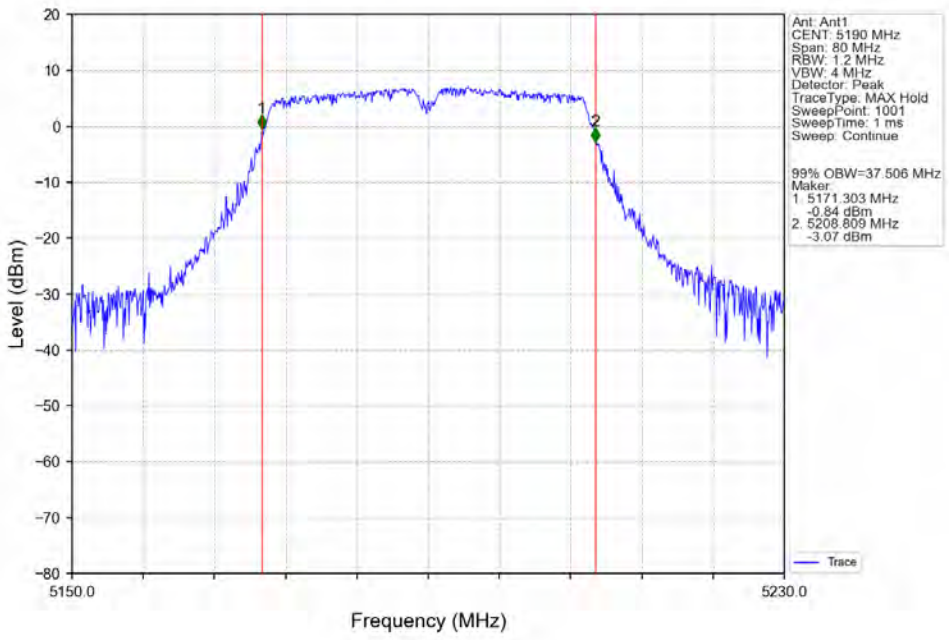
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



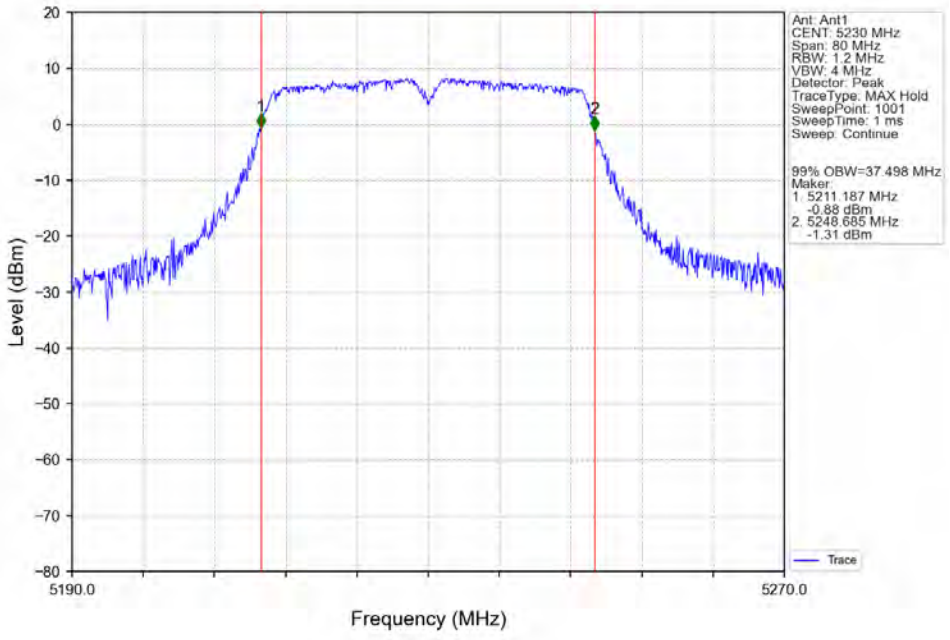
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



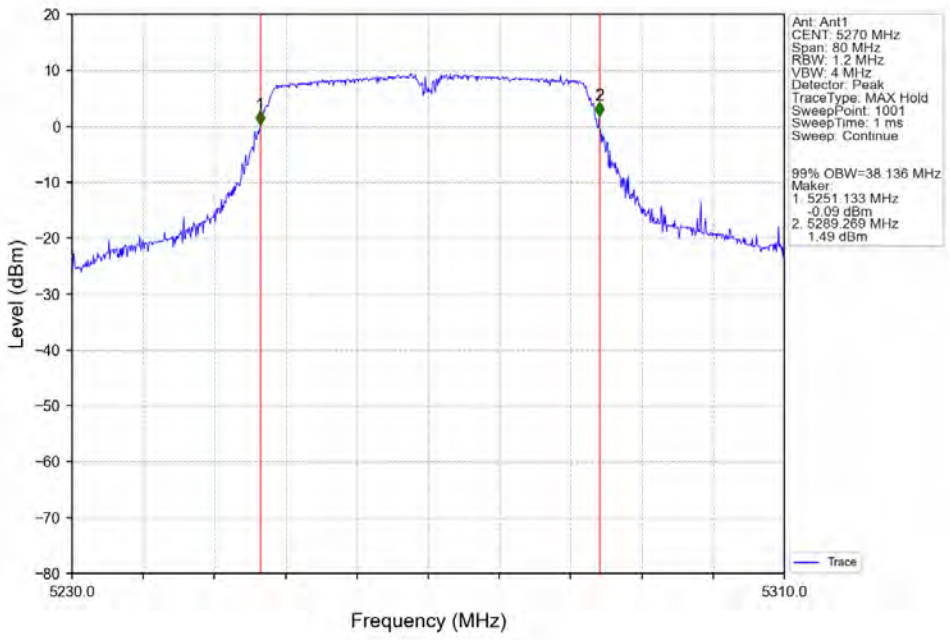
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



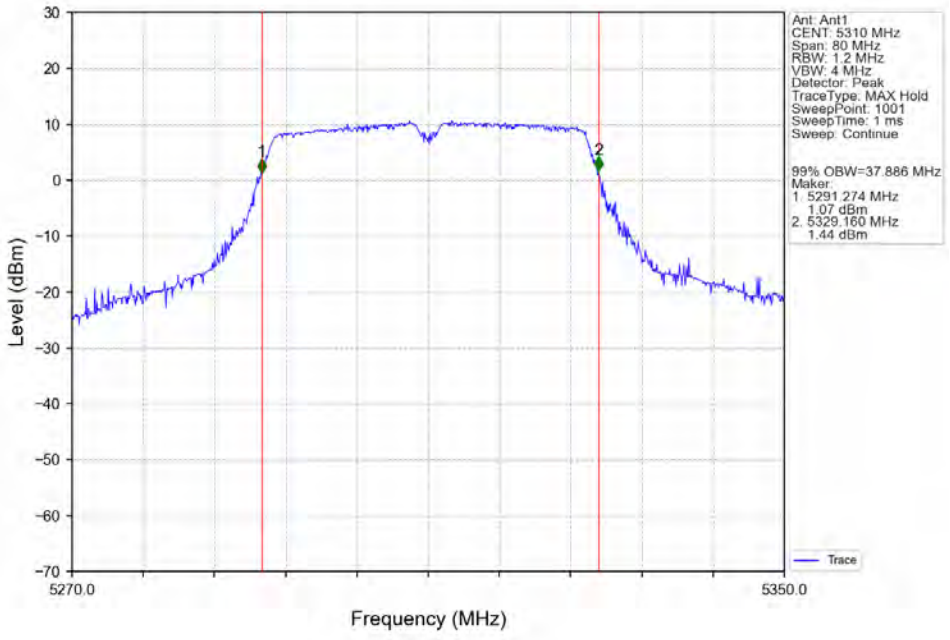
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



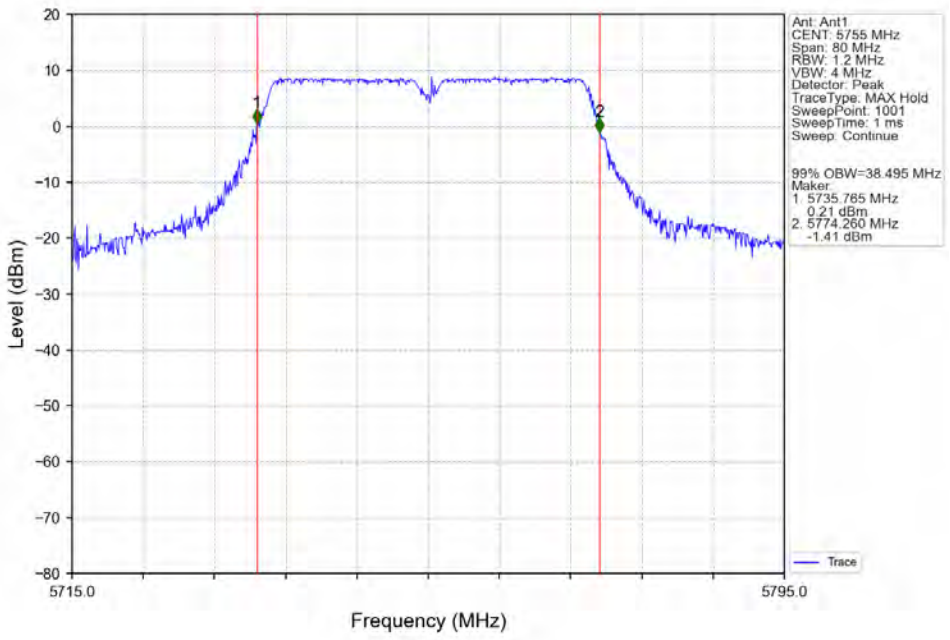
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



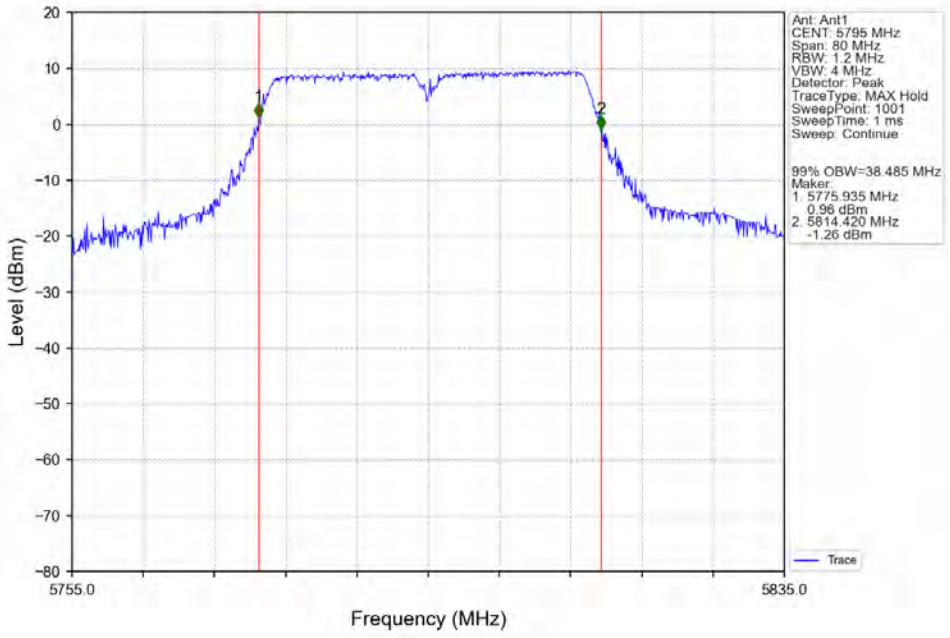
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



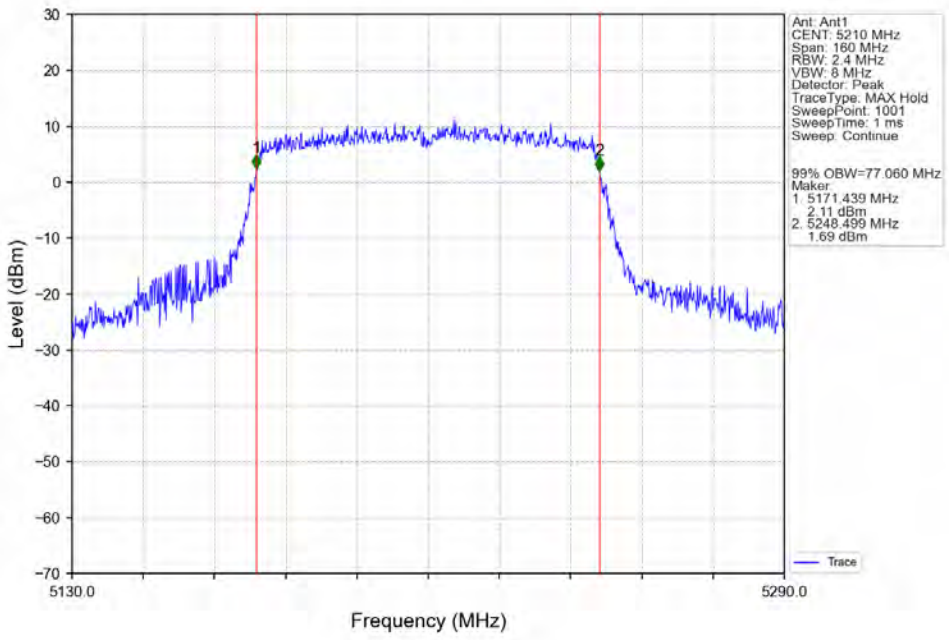
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



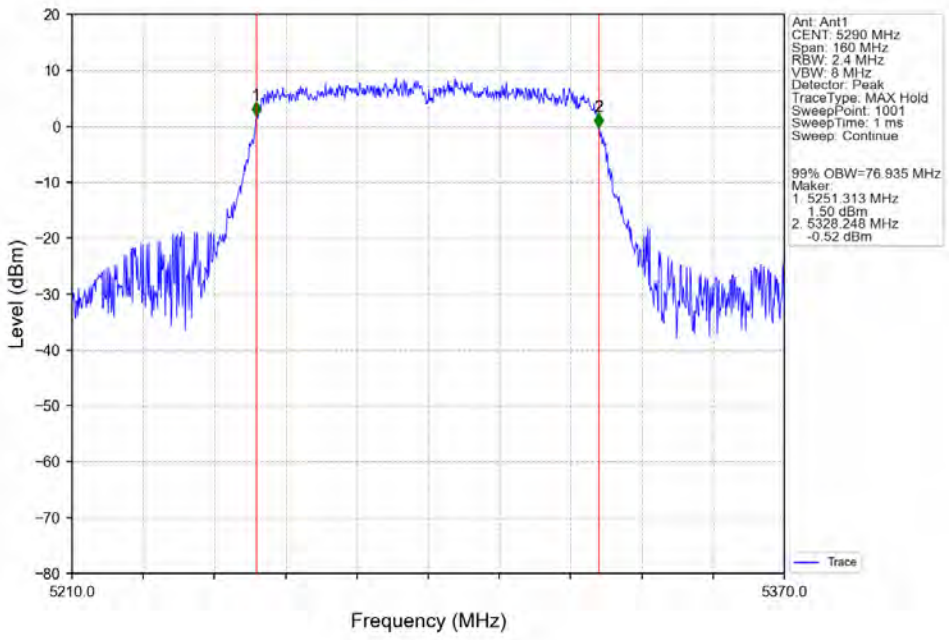
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



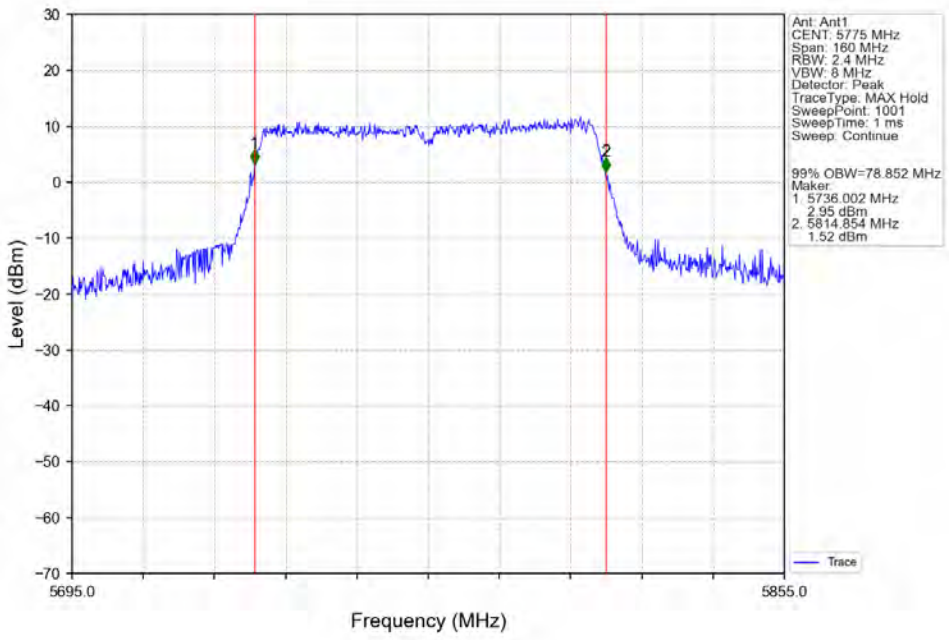
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



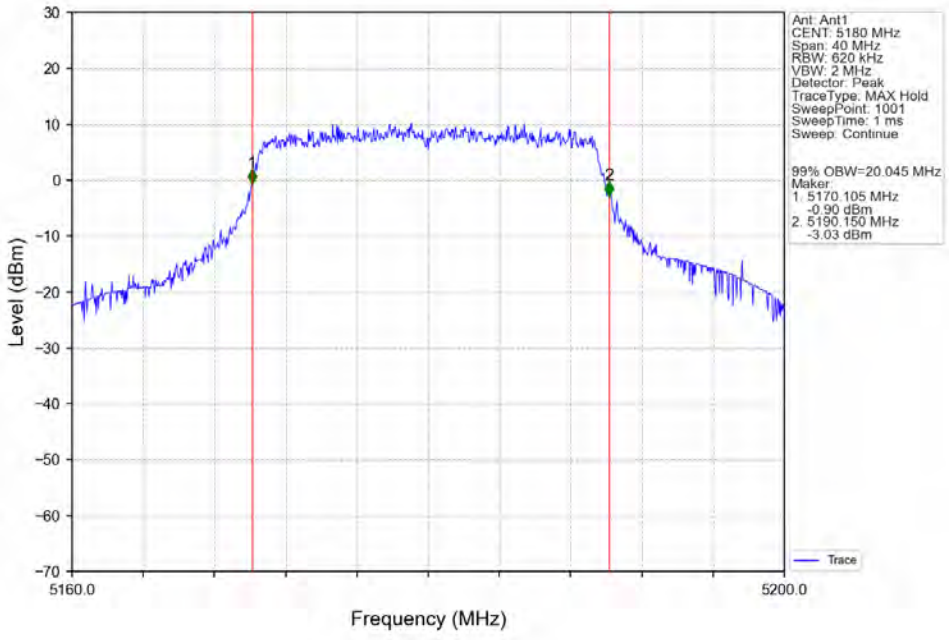
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



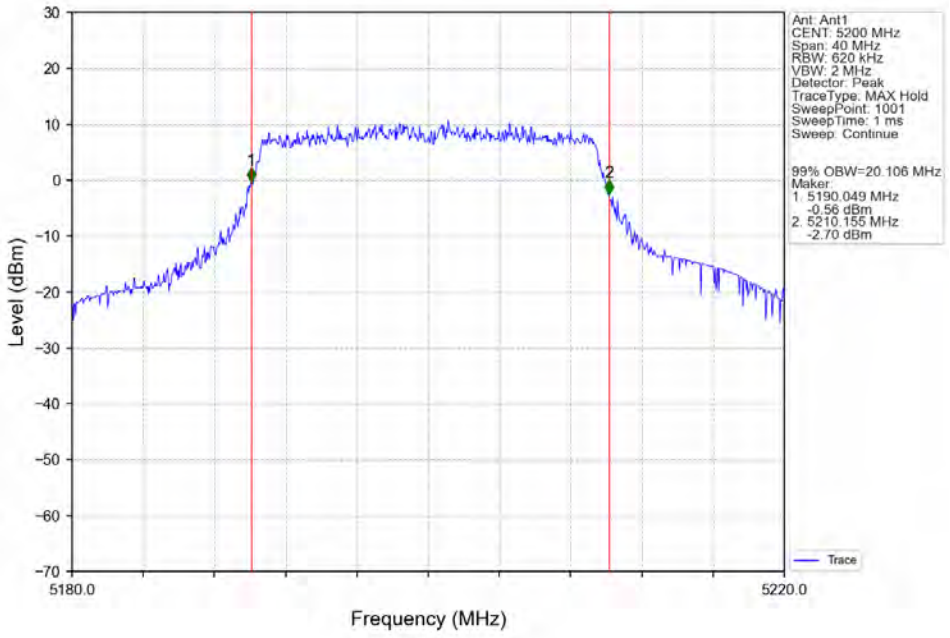
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



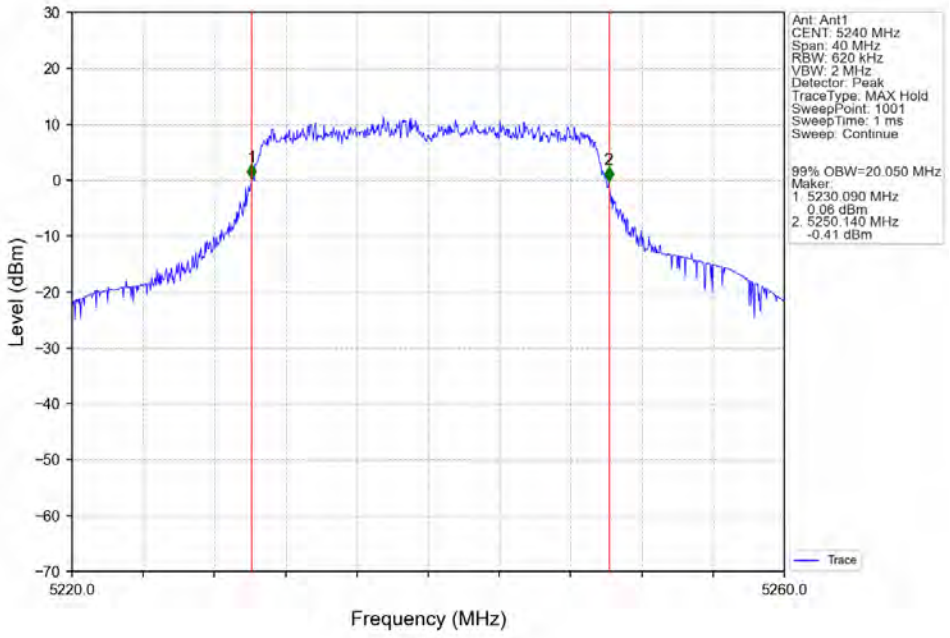
802.11ax(HE20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



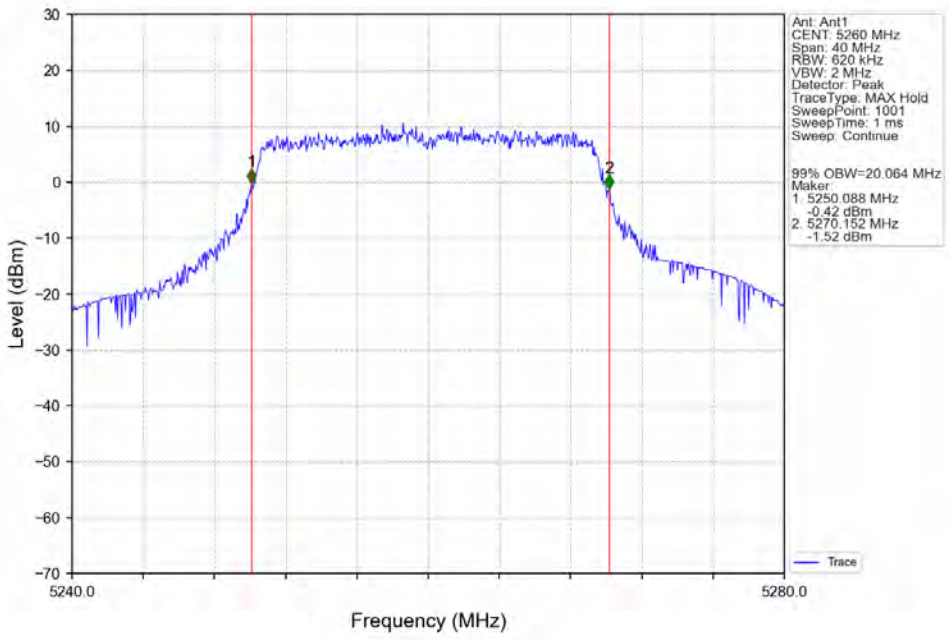
802.11ax(HE20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



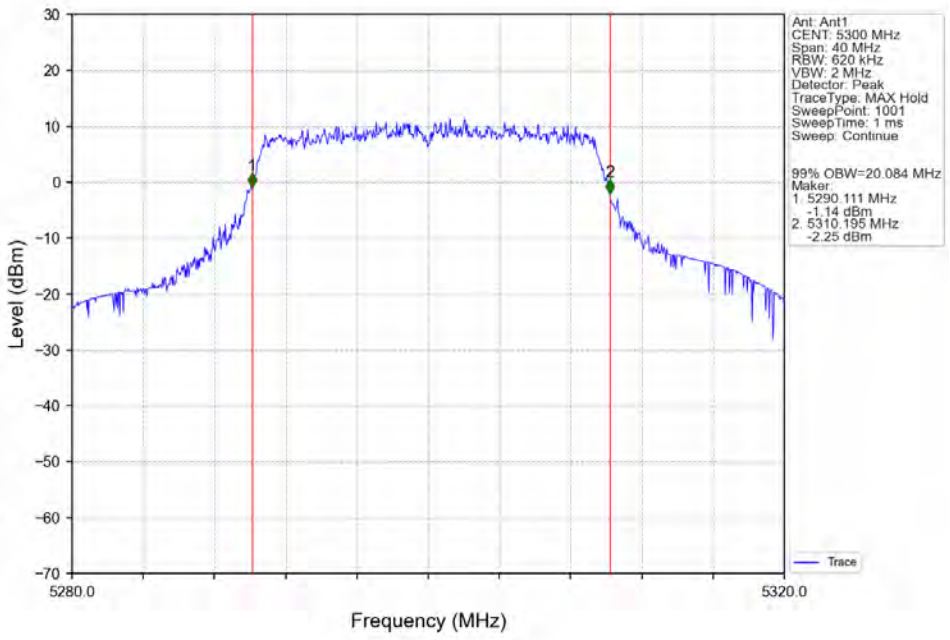
802.11ax(HE20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



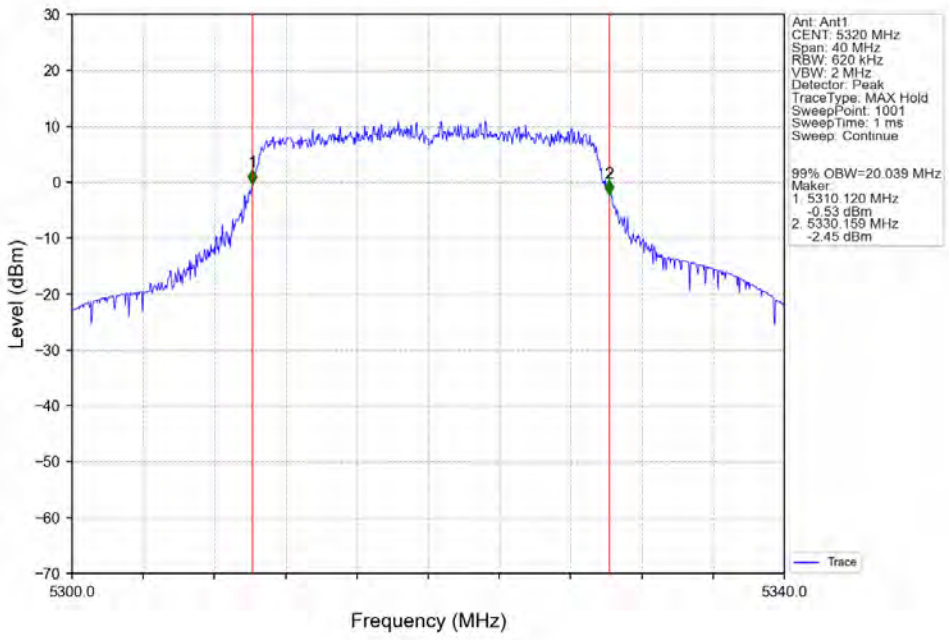
802.11ax(HE20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



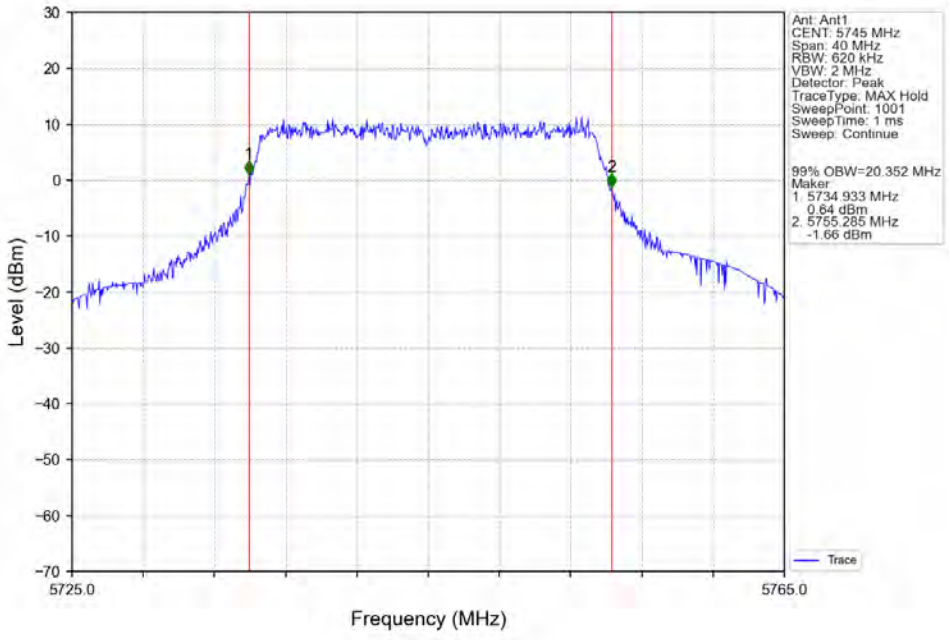
802.11ax(HE20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



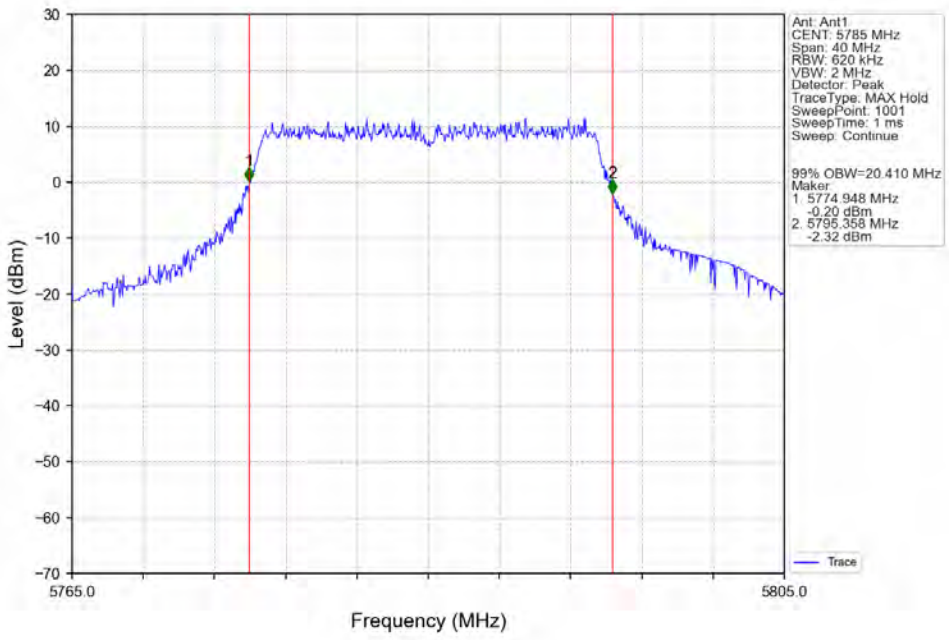
802.11ax(HE20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



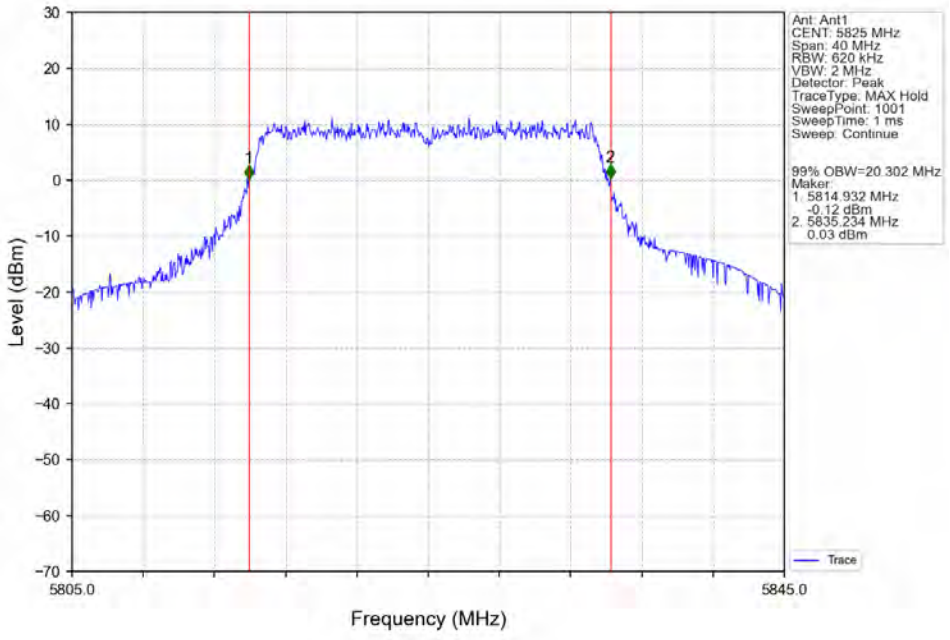
802.11ax(HE20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



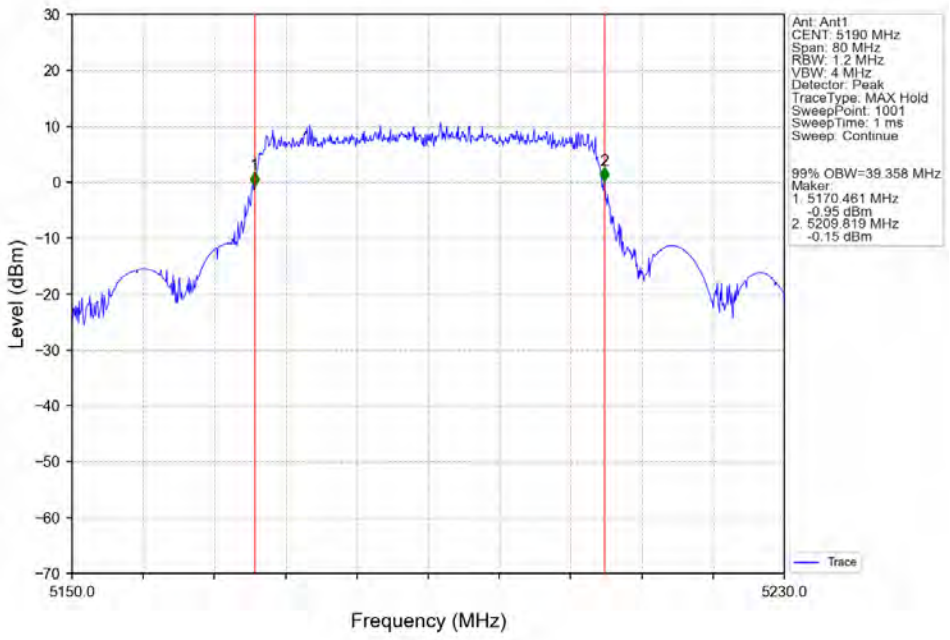
802.11ax(HE20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



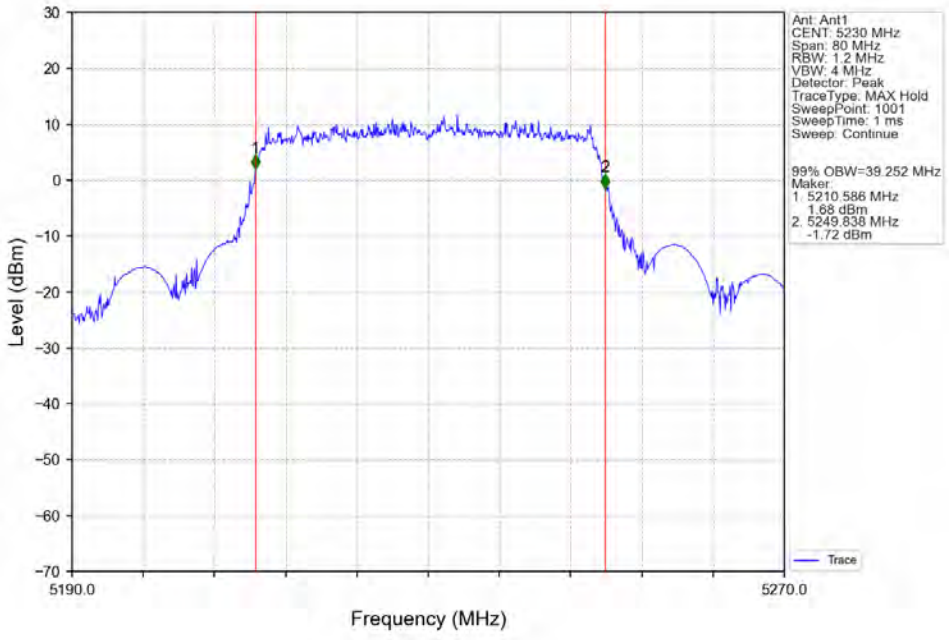
802.11ax(HE20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



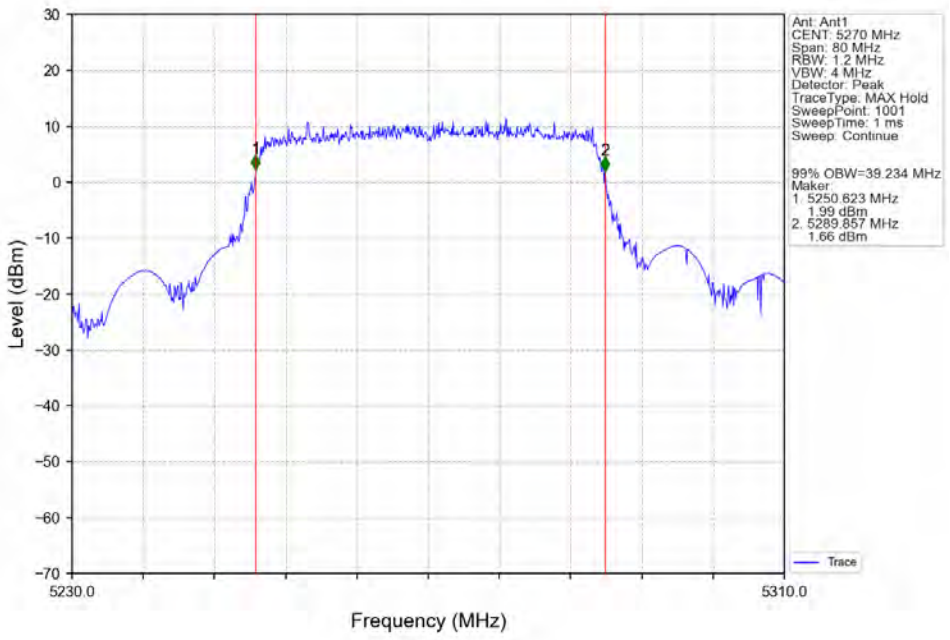
802.11ax(HE40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



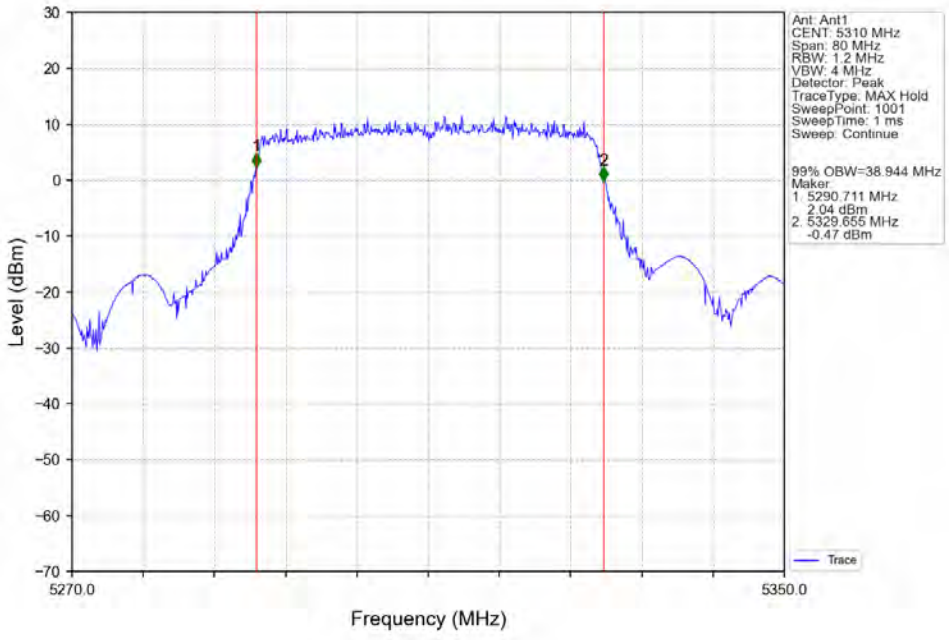
802.11ax(HE40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



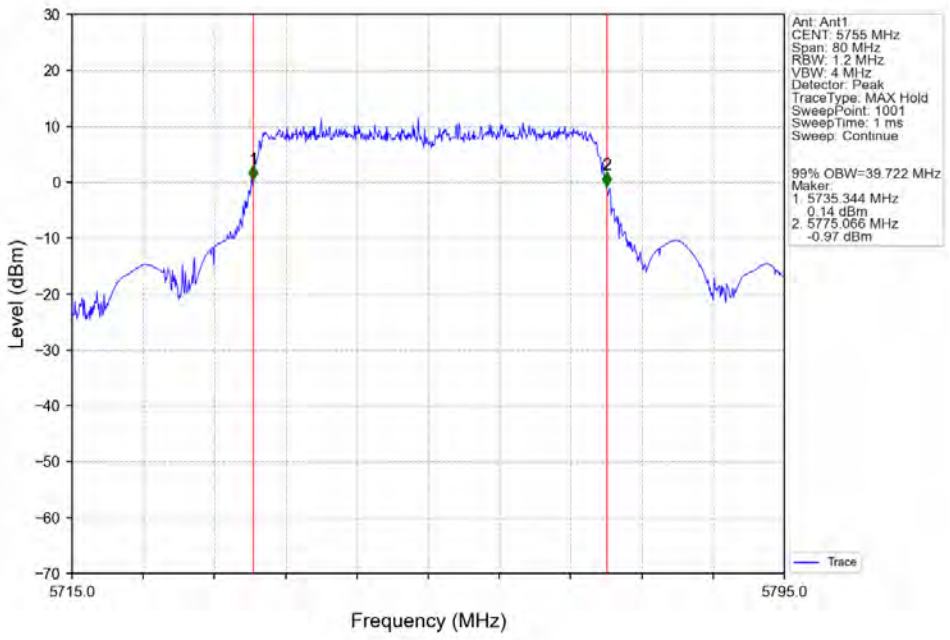
802.11ax(HE40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



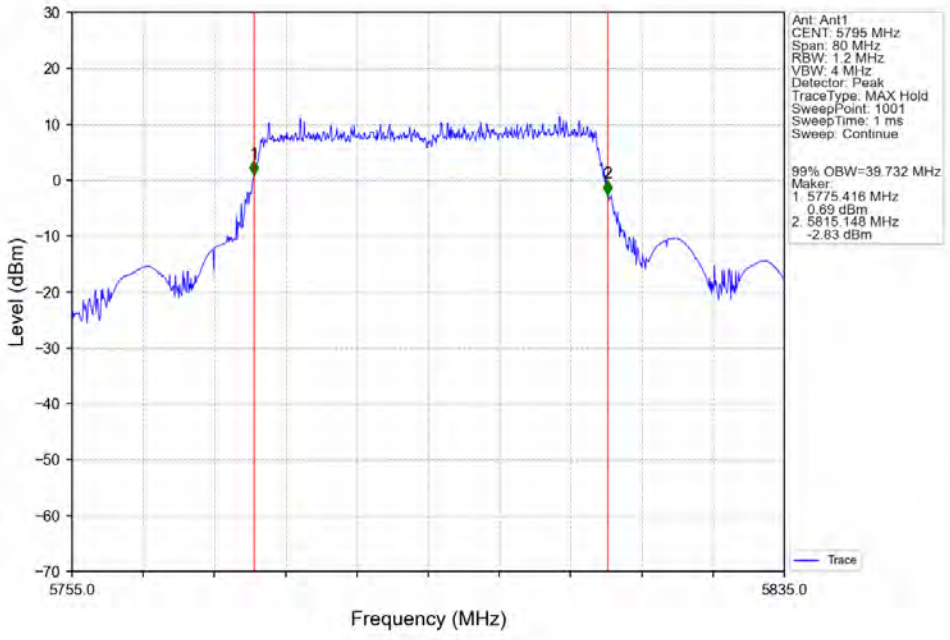
802.11ax(HE40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



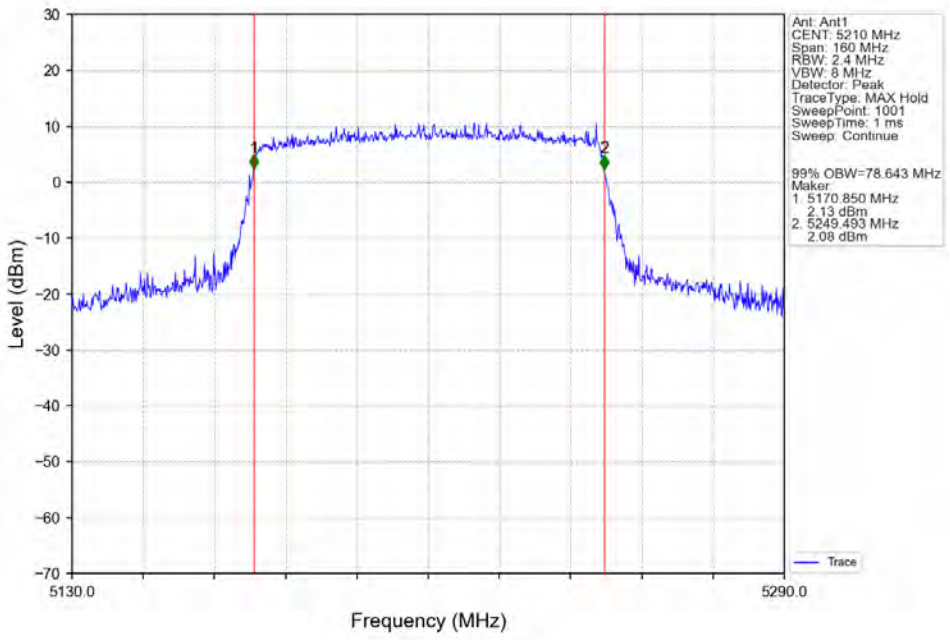
802.11ax(HE40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



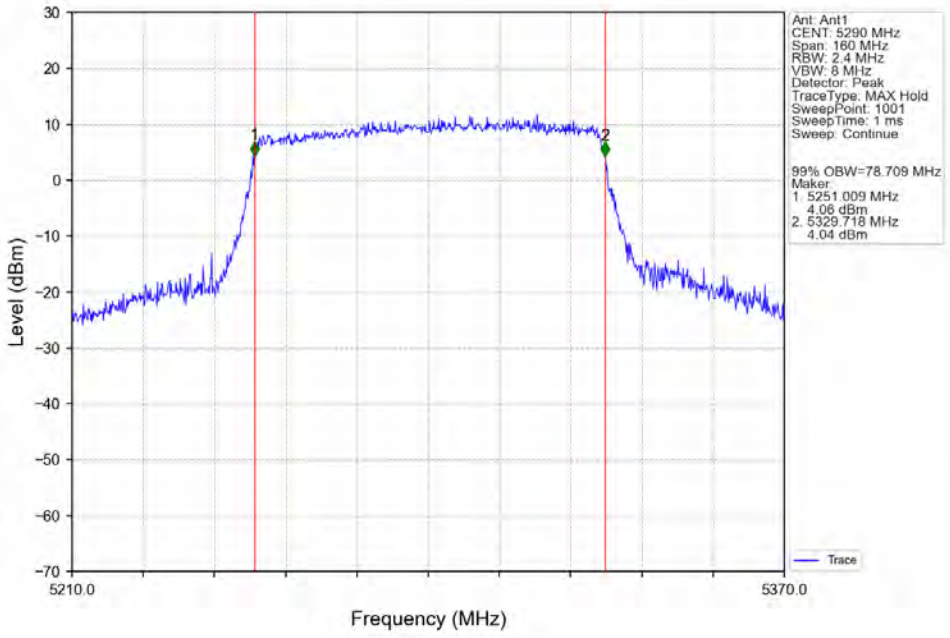
802.11ax(HE40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HE80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HE80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



802.11ax(HE80)_MCH_5775MHz_RU996_Left_Ant1_NTNV