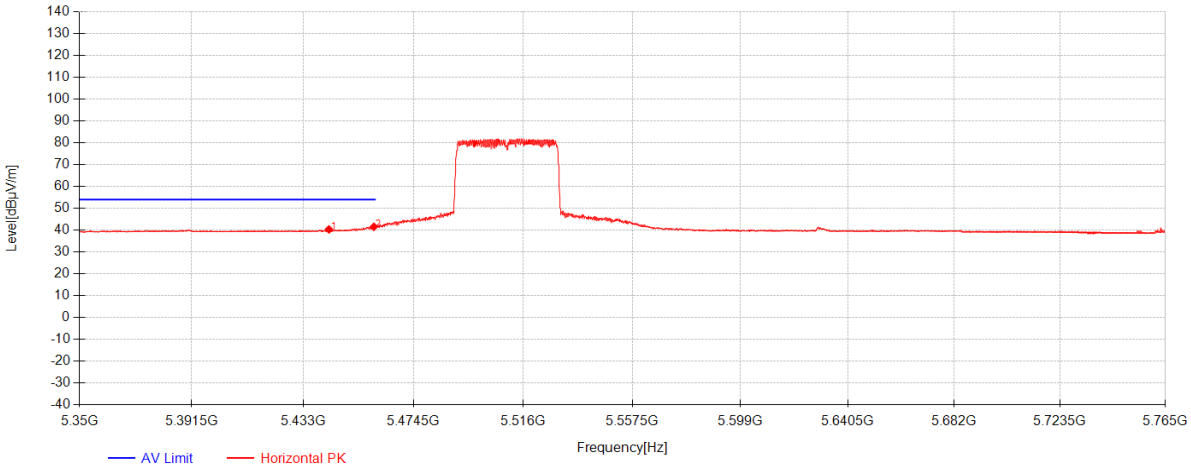
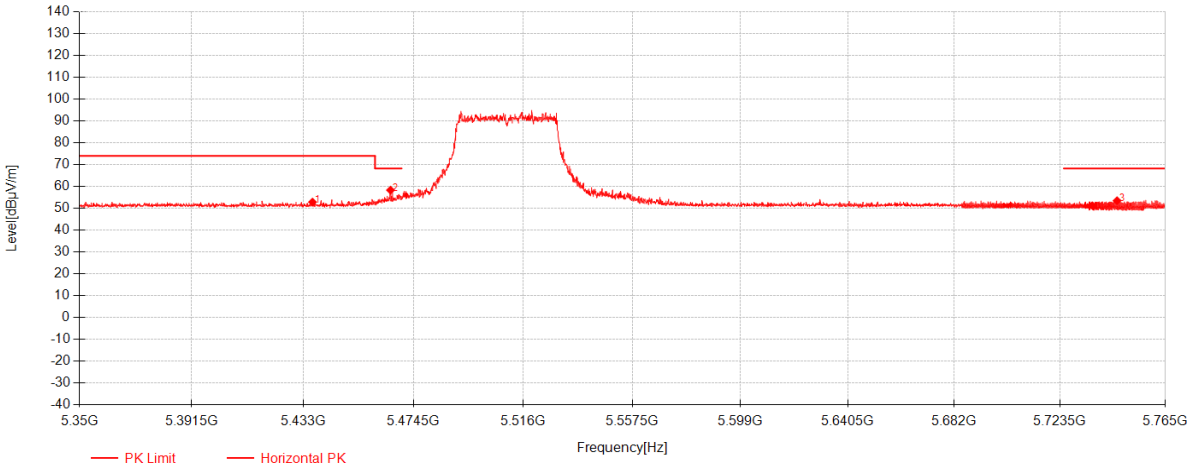
11ax(HE40)_TX_CH_102_Horizontal_Average



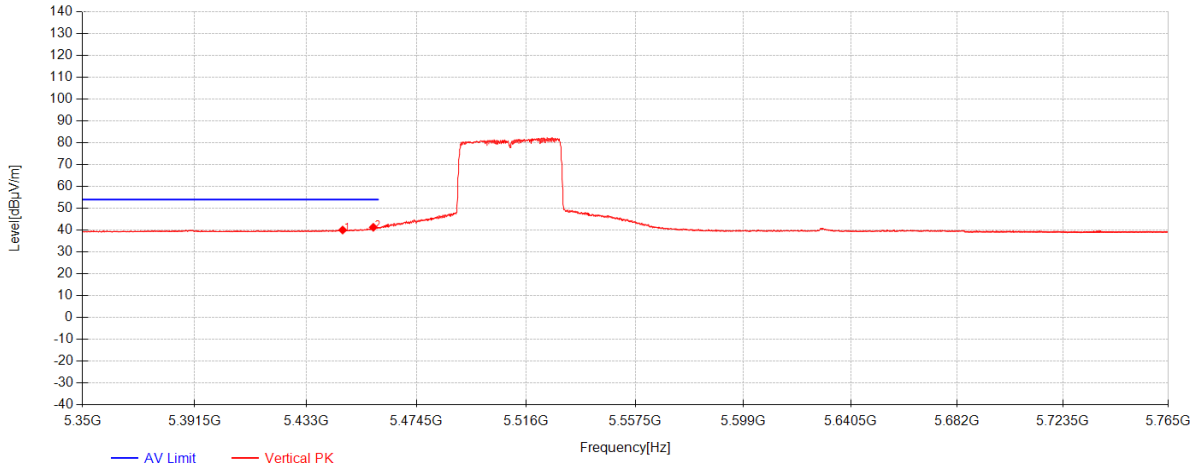
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5442.6833	27.22	32.20	-19.09	40.33	54.00	13.67	Horizontal
2	5459.545	28.42	32.23	-19.12	41.53	54.00	12.47	Horizontal

11ax(HE40)_TX_CH_102_Horizontal_Peak



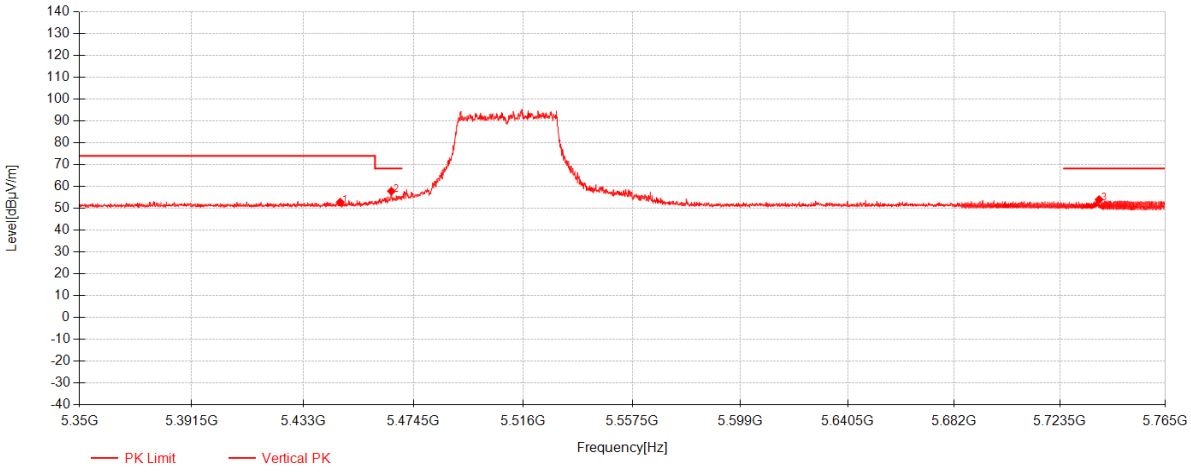
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5436.5417	39.75	32.19	-19.08	52.86	74.00	21.14	Horizontal
2	5465.7983	45.23	32.24	-19.13	58.34	68.30	9.96	Horizontal
3	5746.03	40.01	32.35	-18.87	53.49	68.30	14.81	Horizontal

11ax(HE40)_TX_CH_102_Vertical_Average



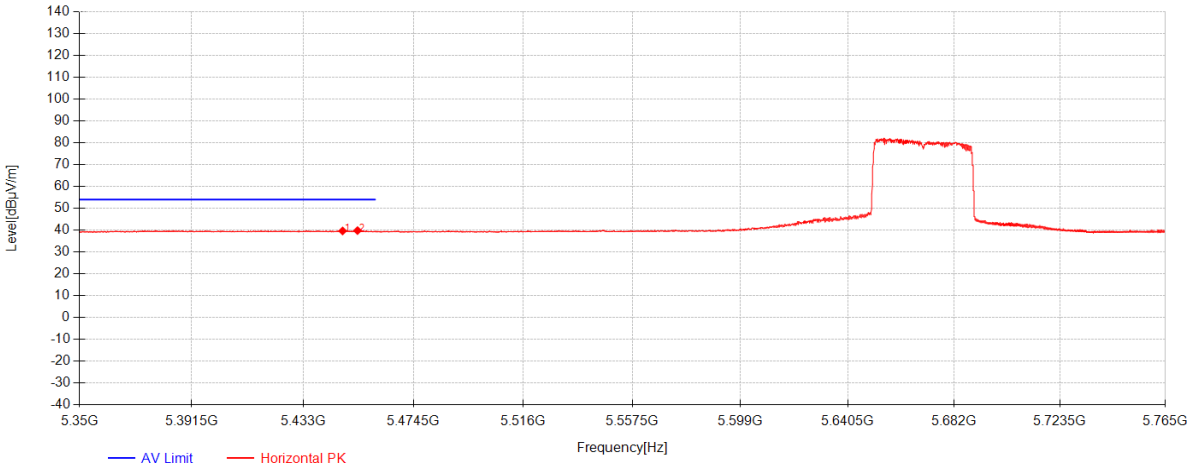
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5446.7033	26.95	32.20	-19.09	40.06	54.00	13.94	Vertical
2	5458.205	28.19	32.22	-19.11	41.30	54.00	12.70	Vertical

11ax(HE40)_TX_CH_102_Vertical_Peak



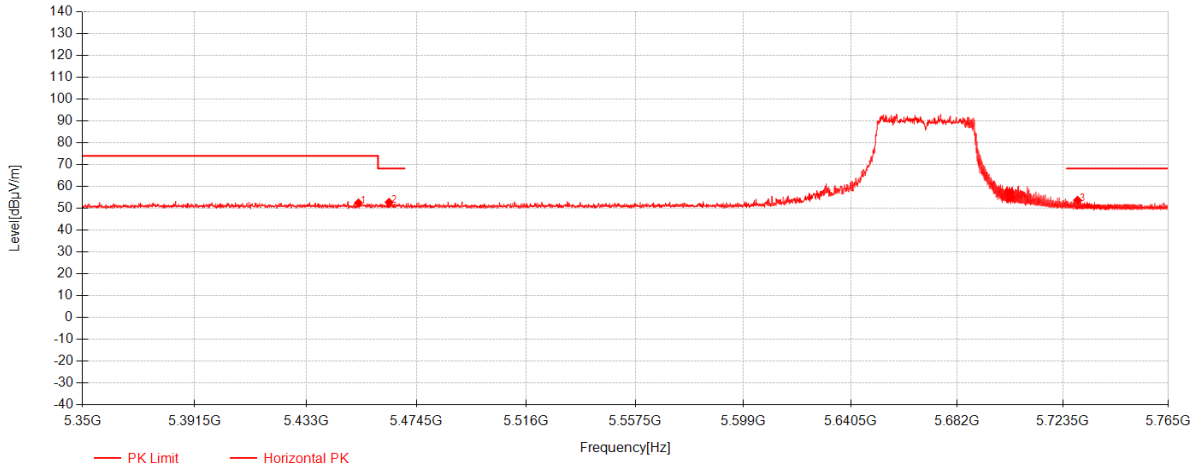
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5446.9267	39.74	32.20	-19.10	52.85	74.00	21.15	Vertical
2	5466.1333	44.76	32.24	-19.13	57.87	68.30	10.43	Vertical
3	5738.95	40.50	32.35	-18.85	54.00	68.30	14.30	Vertical

11ax(HE40)_TX_CH_134_Horizontal_Average



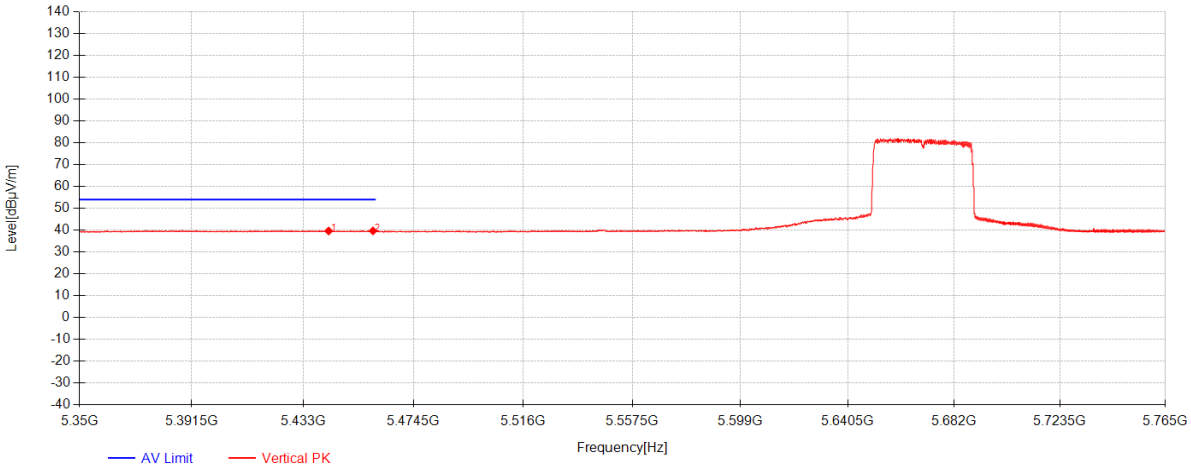
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5447.82	26.53	32.21	-19.10	39.64	54.00	14.36	Horizontal
2	5453.4033	26.69	32.22	-19.11	39.80	54.00	14.20	Horizontal

11ax(HE40)_TX_CH_134_Horizontal_Peak



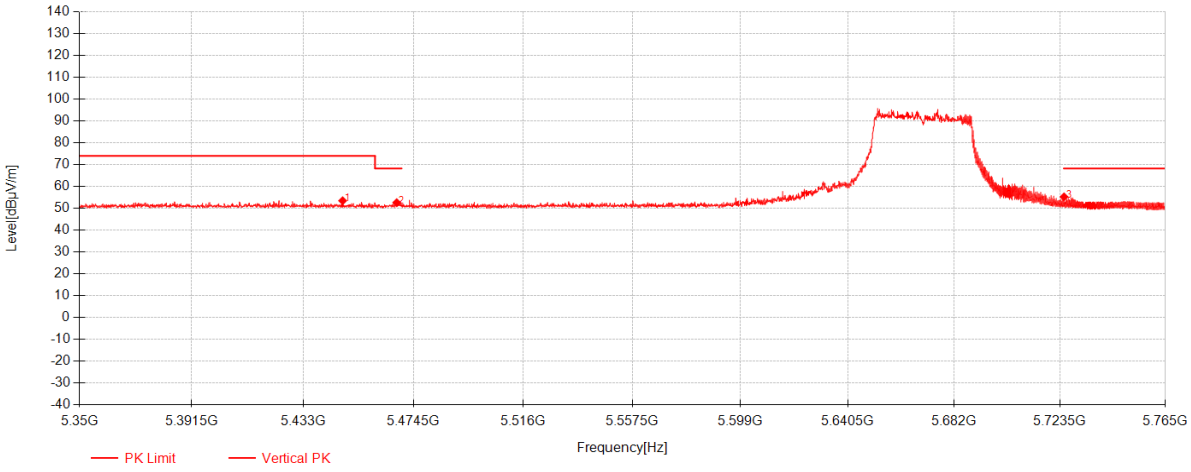
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5452.6217	39.41	32.21	-19.10	52.52	74.00	21.48	Horizontal
2	5464.1233	39.70	32.24	-19.12	52.81	68.30	15.49	Horizontal
3	5729.23	40.19	32.35	-18.82	53.72	68.30	14.58	Horizontal

11ax(HE40)_TX_CH_134_Vertical_Average



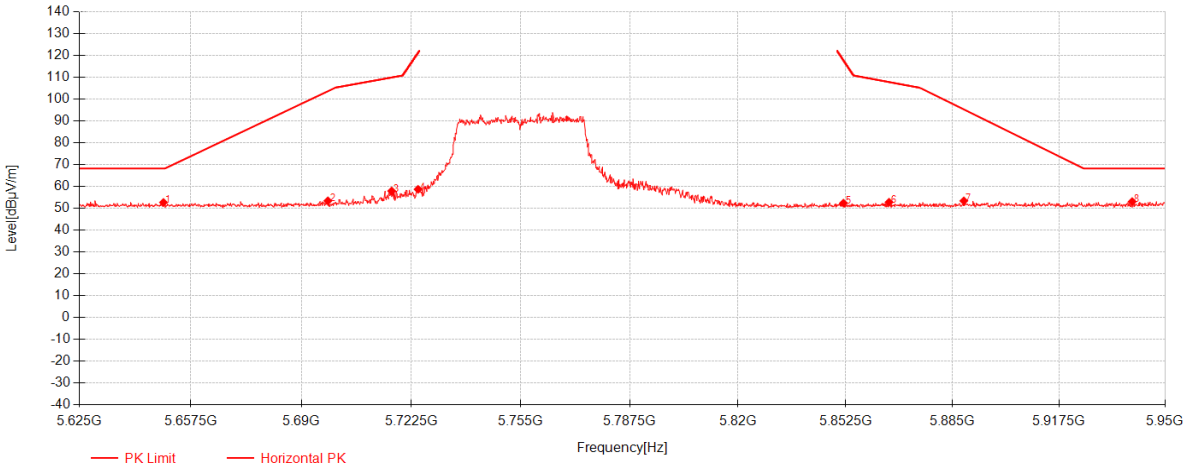
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5442.5717	26.51	32.20	-19.09	39.62	54.00	14.38	Vertical
2	5459.21	26.55	32.23	-19.11	39.66	54.00	14.34	Vertical

11ax(HE40)_TX_CH_134_Vertical_Peak



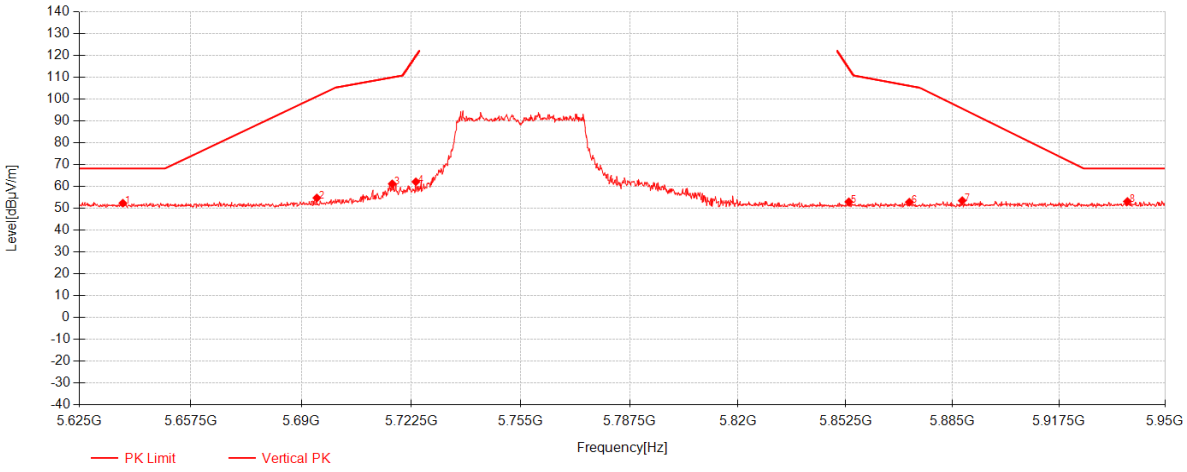
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5447.82	40.38	32.21	-19.10	53.49	74.00	20.51	Vertical
2	5468.1433	39.51	32.24	-19.13	52.62	68.30	15.68	Vertical
3	5725.1	41.73	32.35	-18.81	55.27	68.30	13.03	Vertical

11ax(HE40)_TX_CH_151_Horizontal_Peak



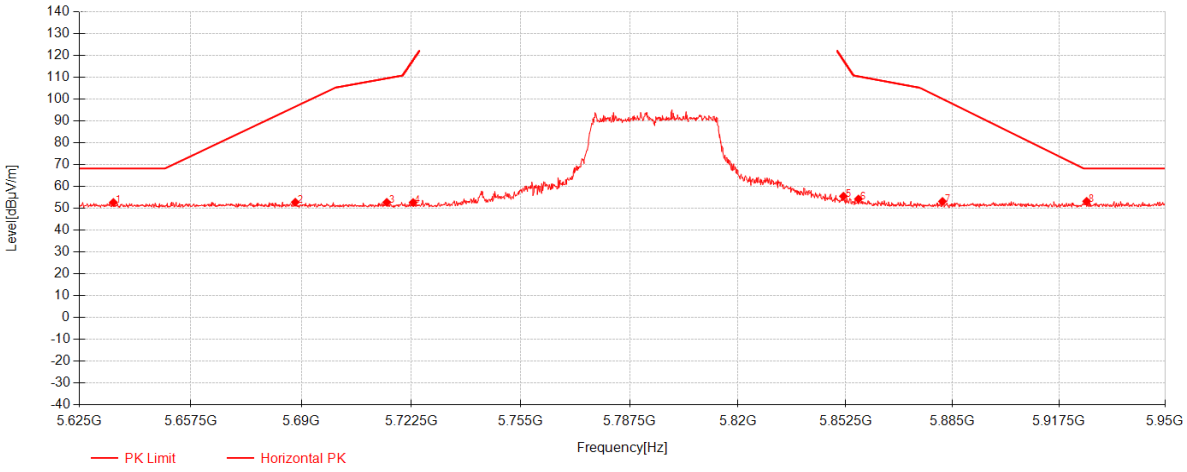
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5649.5375	39.10	32.33	-18.72	52.70	68.30	15.60	Horizontal
2	5697.8	39.82	32.34	-18.73	53.43	103.68	50.25	Horizontal
3	5716.65	44.39	32.34	-18.78	57.95	109.96	52.01	Horizontal
4	5724.45	45.17	32.34	-18.80	58.71	121.05	62.34	Horizontal
5	5851.85	38.91	32.37	-18.88	52.40	118.08	65.68	Horizontal
6	5865.6625	39.27	32.37	-18.84	52.80	107.91	55.11	Horizontal
7	5888.4125	39.83	32.38	-18.77	53.43	95.34	41.91	Horizontal
8	5939.925	39.52	32.39	-18.82	53.08	68.30	15.22	Horizontal

11ax(HE40)_TX_CH_151_Vertical_Peak



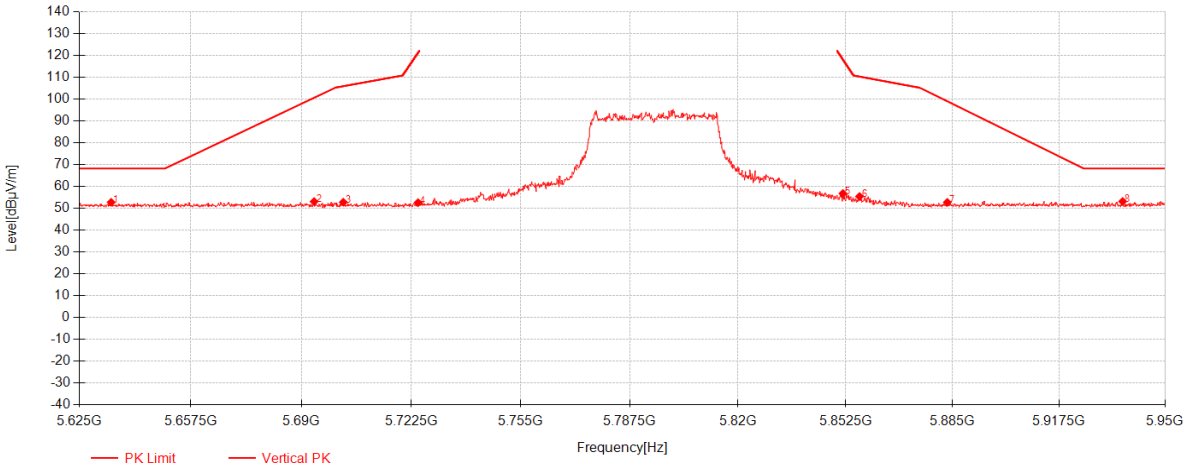
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5637.675	38.77	32.33	-18.72	52.37	68.30	15.93	Vertical
2	5694.55	41.15	32.34	-18.73	54.76	101.28	46.52	Vertical
3	5716.8125	47.67	32.34	-18.78	61.23	110.01	48.78	Vertical
4	5723.8	48.62	32.34	-18.80	62.16	119.56	57.40	Vertical
5	5853.475	39.48	32.37	-18.87	52.98	114.38	61.40	Vertical
6	5871.8375	39.28	32.37	-18.82	52.83	106.18	53.35	Vertical
7	5887.925	39.92	32.38	-18.78	53.52	95.71	42.19	Vertical
8	5938.4625	39.59	32.39	-18.82	53.16	68.30	15.14	Vertical

11ax(HE40)_TX_CH_159_Horizontal_Peak



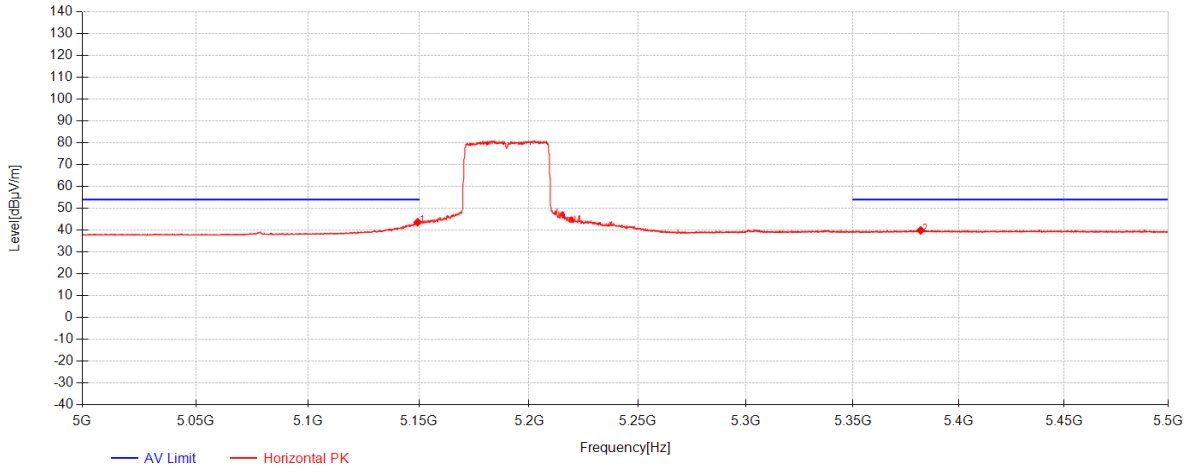
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5634.9125	39.10	32.33	-18.72	52.70	68.30	15.60	Horizontal
2	5688.2125	39.21	32.34	-18.73	52.82	96.61	43.79	Horizontal
3	5715.1875	39.18	32.34	-18.78	52.75	109.55	56.80	Horizontal
4	5722.9875	39.14	32.34	-18.80	52.69	117.71	65.02	Horizontal
5	5851.85	42.05	32.37	-18.88	55.54	118.08	62.54	Horizontal
6	5856.4	40.79	32.37	-18.87	54.29	110.51	56.22	Horizontal
7	5881.9125	39.59	32.38	-18.79	53.17	100.17	47.00	Horizontal
8	5925.95	39.64	32.39	-18.79	53.23	68.30	15.07	Horizontal

11ax(HE40)_TX_CH_159_Vertical_Peak



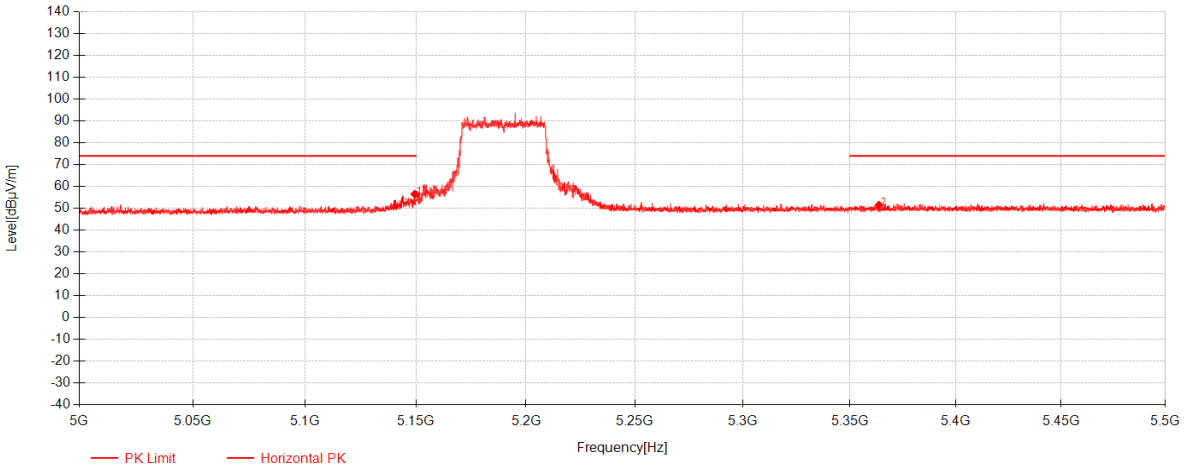
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5634.2625	39.15	32.33	-18.72	52.75	68.30	15.55	Vertical
2	5693.7375	39.48	32.34	-18.73	53.09	100.68	47.59	Vertical
3	5702.35	39.22	32.34	-18.74	52.82	105.96	53.14	Vertical
4	5724.45	39.07	32.34	-18.80	52.61	121.05	68.44	Vertical
5	5851.6875	43.30	32.37	-18.88	56.79	118.45	61.66	Vertical
6	5856.725	41.93	32.37	-18.87	55.44	110.42	54.98	Vertical
7	5883.375	39.17	32.38	-18.79	52.76	99.08	46.32	Vertical
8	5937	39.58	32.39	-18.82	53.15	68.30	15.15	Vertical

11ax(HE40)_TX_CH_38_Horizontal_Average



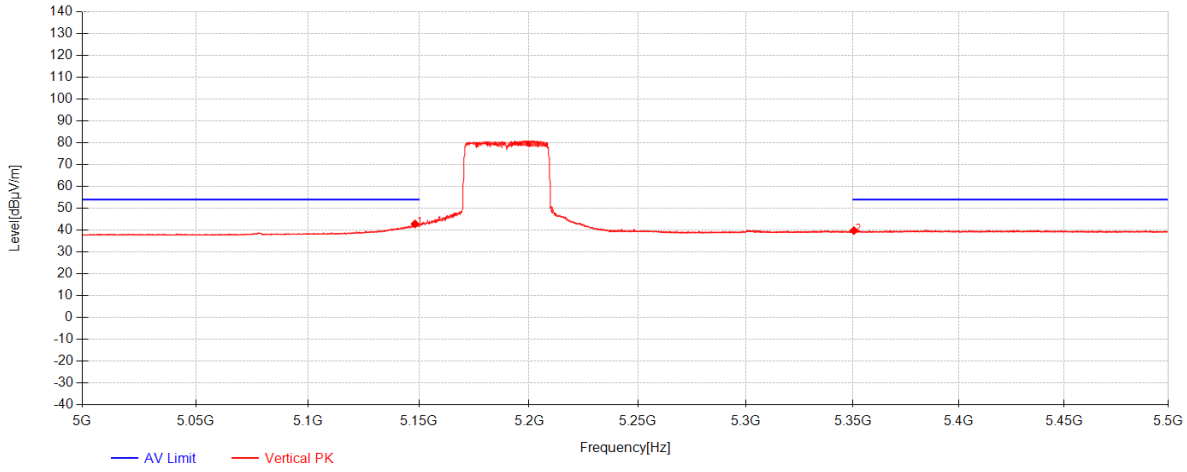
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.4133	31.08	31.67	-19.14	43.61	54.00	10.39	Horizontal
2	5381.89	26.77	32.09	-18.98	39.88	54.00	14.12	Horizontal

11ax(HE40)_TX_CH_38_Horizontal_Peak



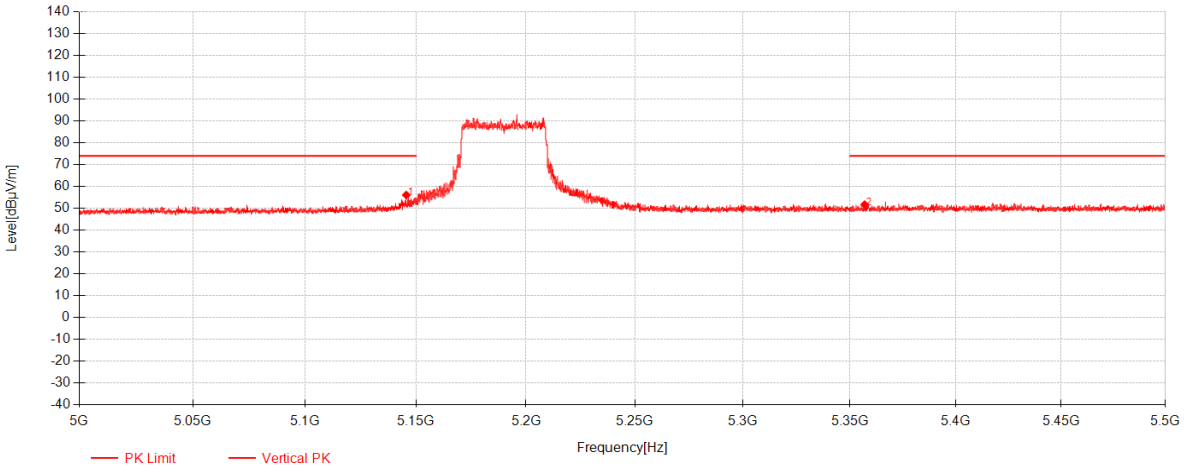
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.435	43.97	31.67	-19.14	56.50	74.00	17.50	Horizontal
2	5363.62	38.38	32.05	-18.93	51.50	74.00	22.50	Horizontal

11ax(HE40)_TX_CH_38_Vertical_Average



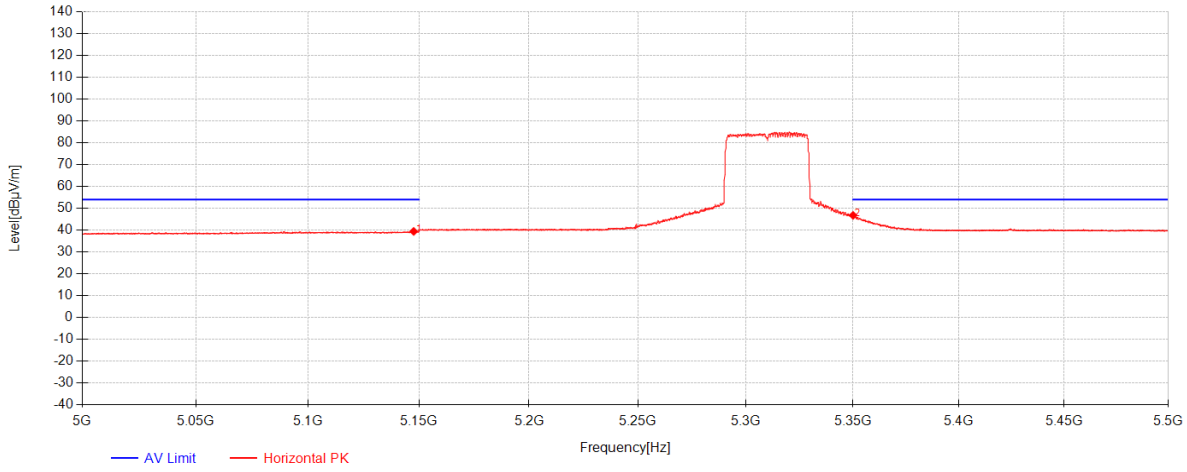
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.2	30.35	31.67	-19.14	42.87	54.00	11.13	Vertical
2	5350.42	26.67	32.03	-18.90	39.80	54.00	14.20	Vertical

11ax(HE40)_TX_CH_38_Vertical_Peak



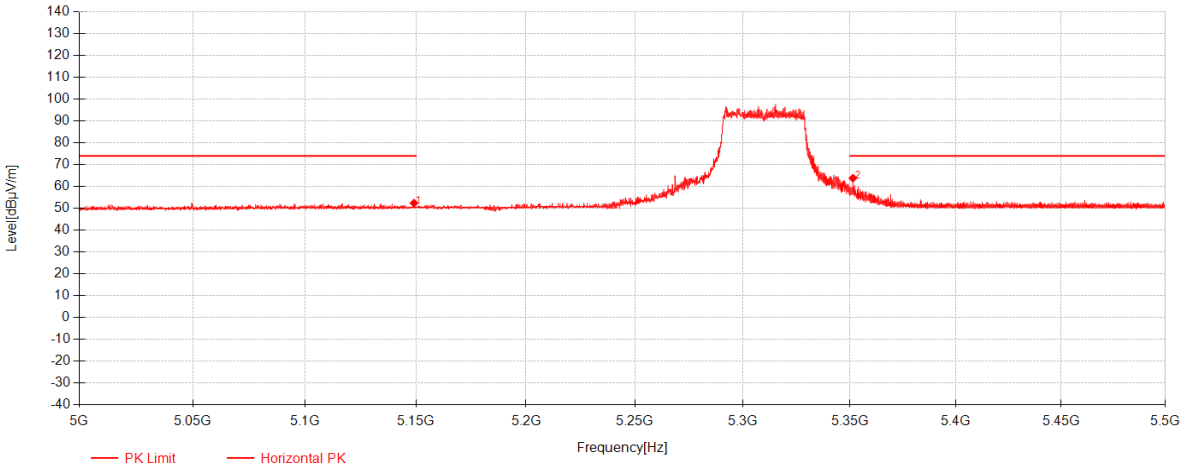
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5145.6	43.60	31.66	-19.15	56.11	74.00	17.89	Vertical
2	5356.9	38.58	32.04	-18.92	51.71	74.00	22.29	Vertical

11ax(HE40)_TX_CH_62_Horizontal_Average



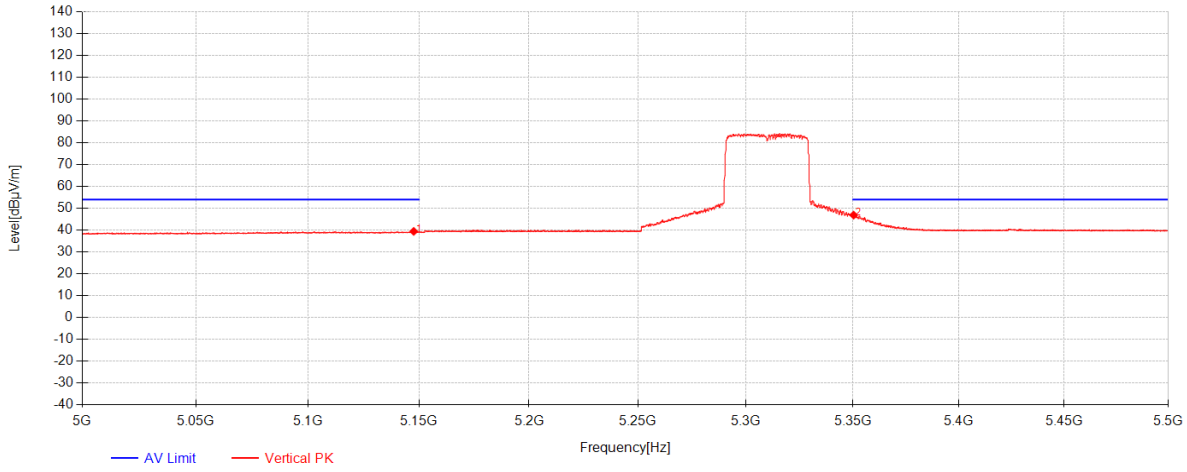
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.6	26.90	31.67	-19.15	39.42	54.00	14.58	Horizontal
2	5350.05	33.65	32.03	-18.90	46.78	54.00	7.22	Horizontal

11ax(HE40)_TX_CH_62_Horizontal_Peak



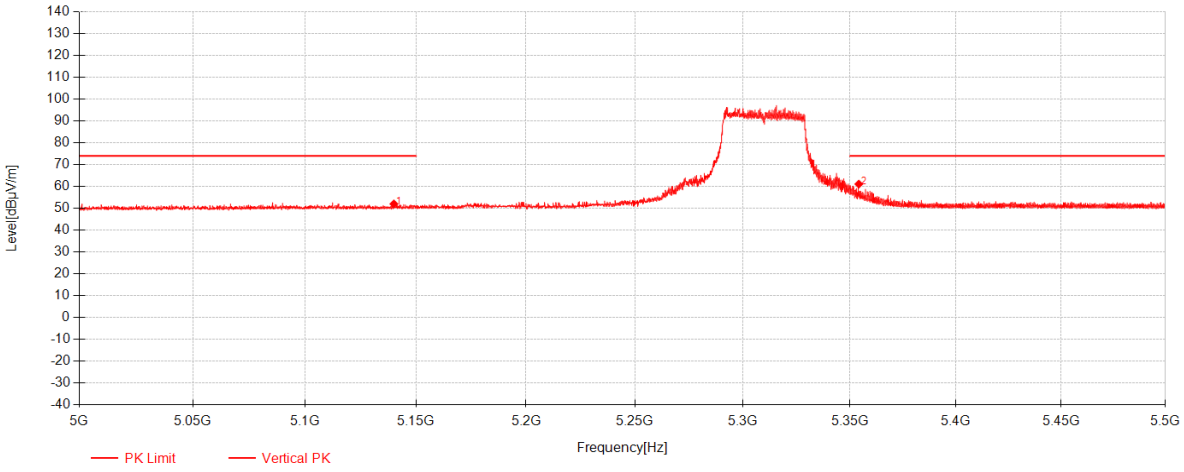
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.1	39.87	31.67	-19.14	52.40	74.00	21.60	Horizontal
2	5351.4	50.71	32.03	-18.90	63.84	74.00	10.16	Horizontal

11ax(HE40)_TX_CH_62_Vertical_Average



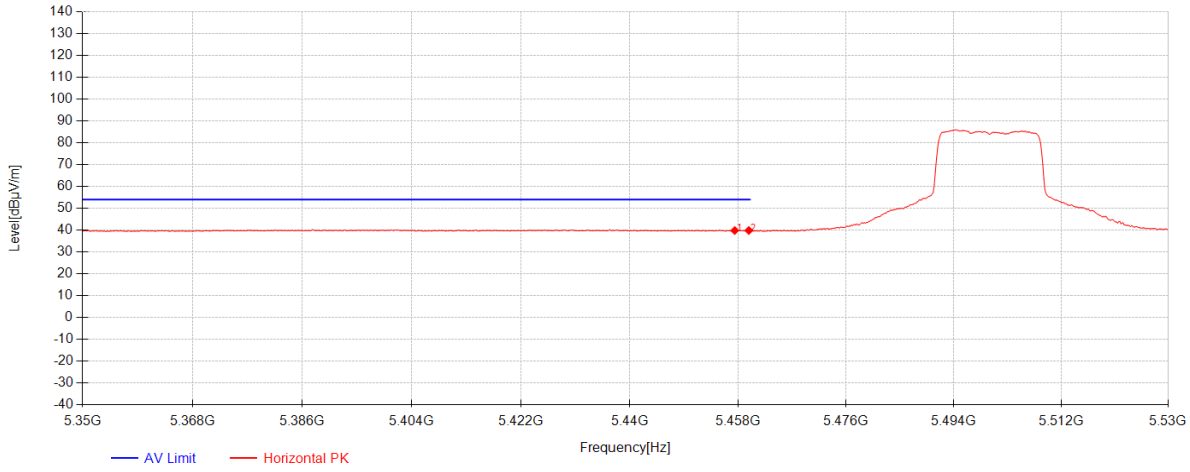
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.6	26.92	31.67	-19.15	39.44	54.00	14.56	Vertical
2	5350.3	33.77	32.03	-18.90	46.90	54.00	7.10	Vertical

11ax(HE40)_TX_CH_62_Vertical_Peak



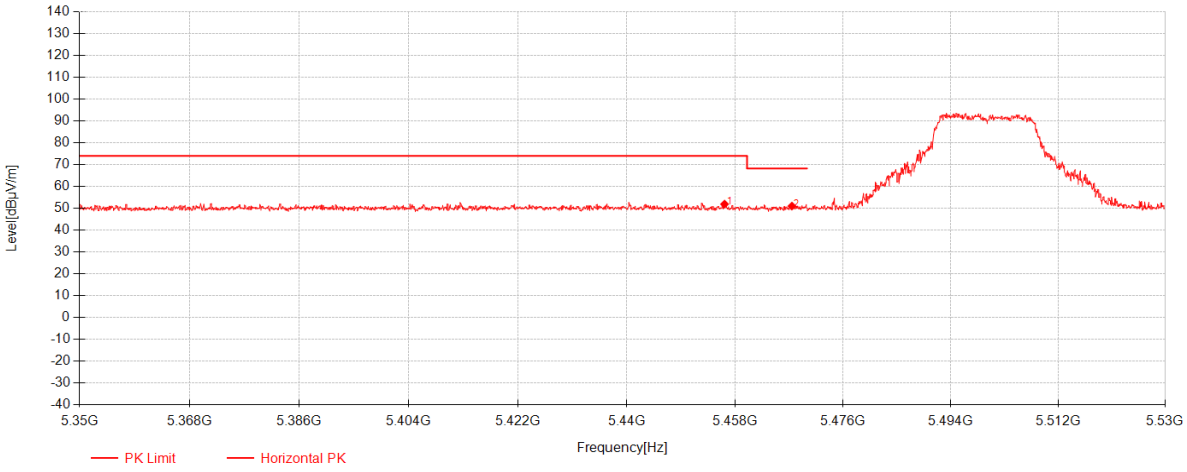
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5140	39.53	31.65	-19.16	52.02	74.00	21.98	Vertical
2	5354.15	47.98	32.04	-18.91	61.11	74.00	12.89	Vertical

11a_TX_CH_100_Horizontal_Average



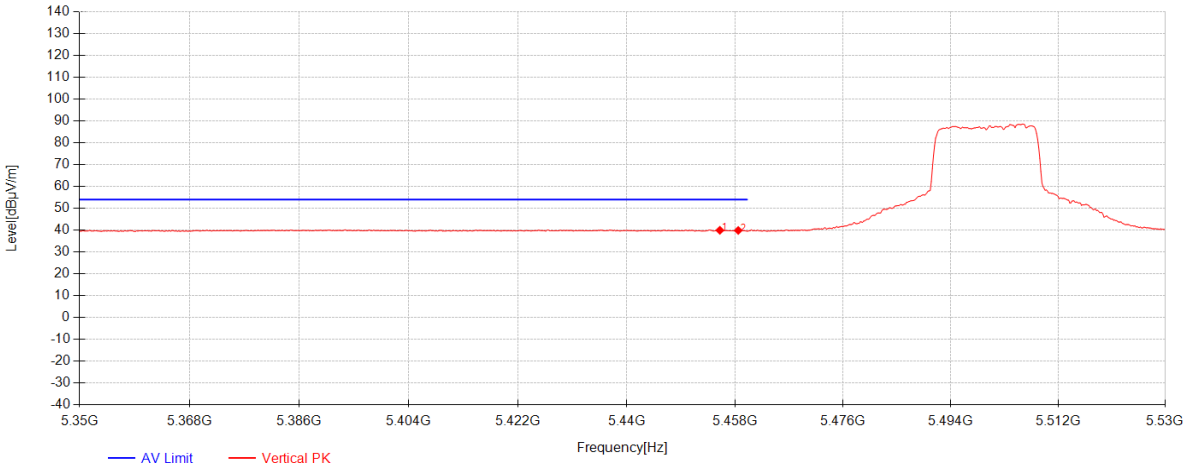
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5457.46	26.72	32.22	-19.11	39.83	54.00	14.17	Horizontal
2	5459.8	26.74	32.23	-19.12	39.85	54.00	14.15	Horizontal

11a_TX_CH_100_Horizontal_Peak



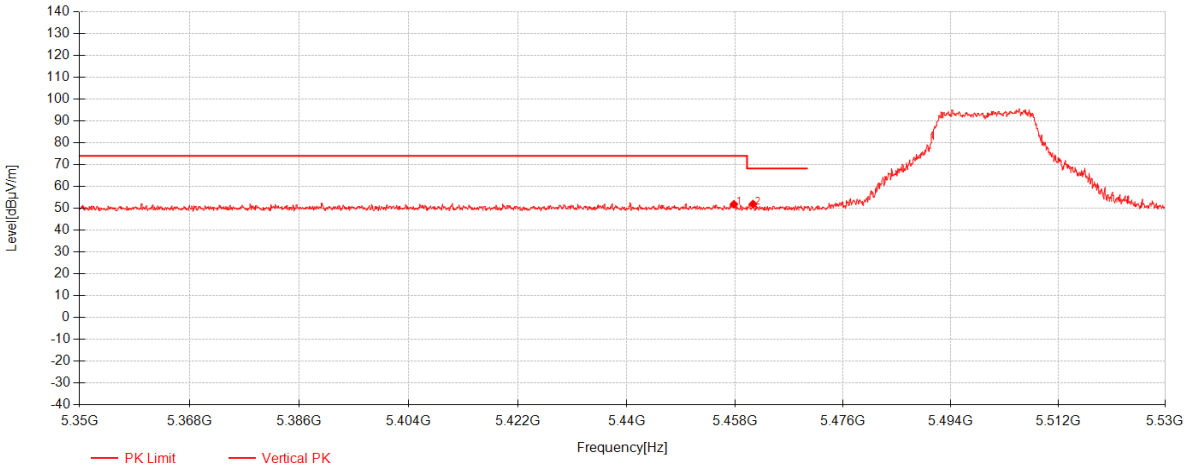
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5456.26	38.82	32.22	-19.11	51.93	74.00	22.07	Horizontal
2	5467.48	37.93	32.24	-19.13	51.04	68.30	17.26	Horizontal

11a_TX_CH_100_Vertical_Average



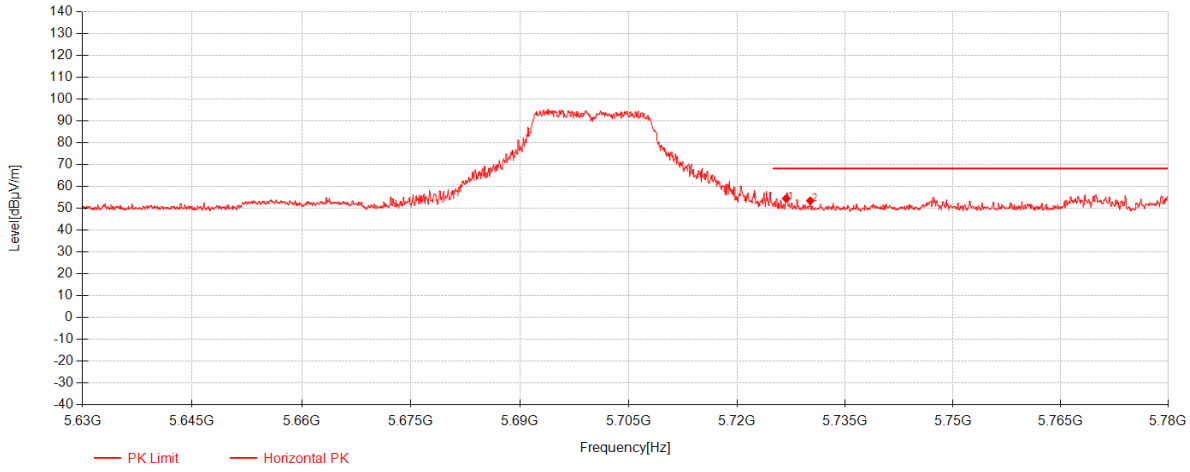
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5455.48	26.82	32.22	-19.11	39.93	54.00	14.07	Vertical
2	5458.54	26.75	32.23	-19.11	39.86	54.00	14.14	Vertical

11a_TX_CH_100_Vertical_Peak



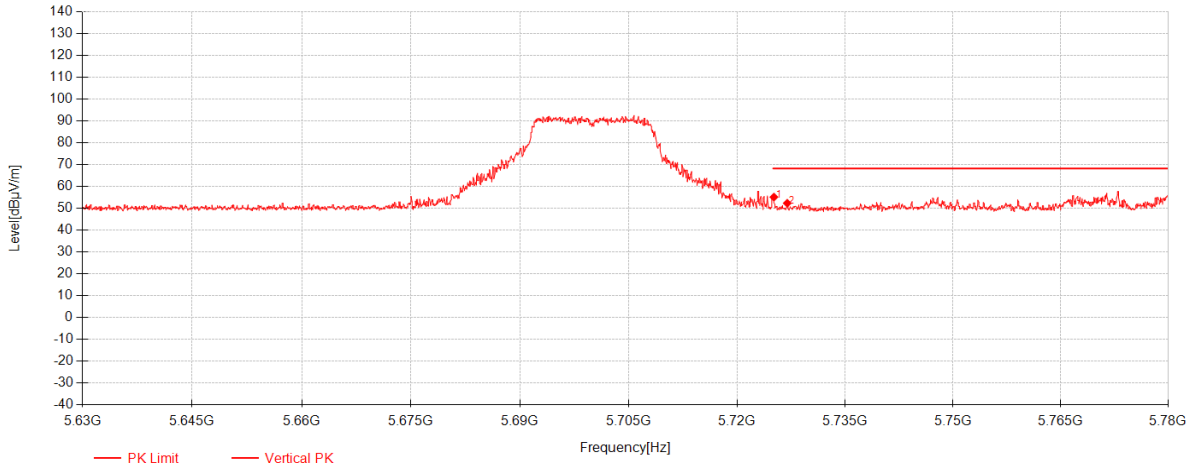
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5457.82	38.76	32.22	-19.11	51.87	74.00	22.13	Vertical
2	5461	38.86	32.23	-19.12	51.97	68.30	16.33	Vertical

11a_TX_CH_140_Horizontal_Peak



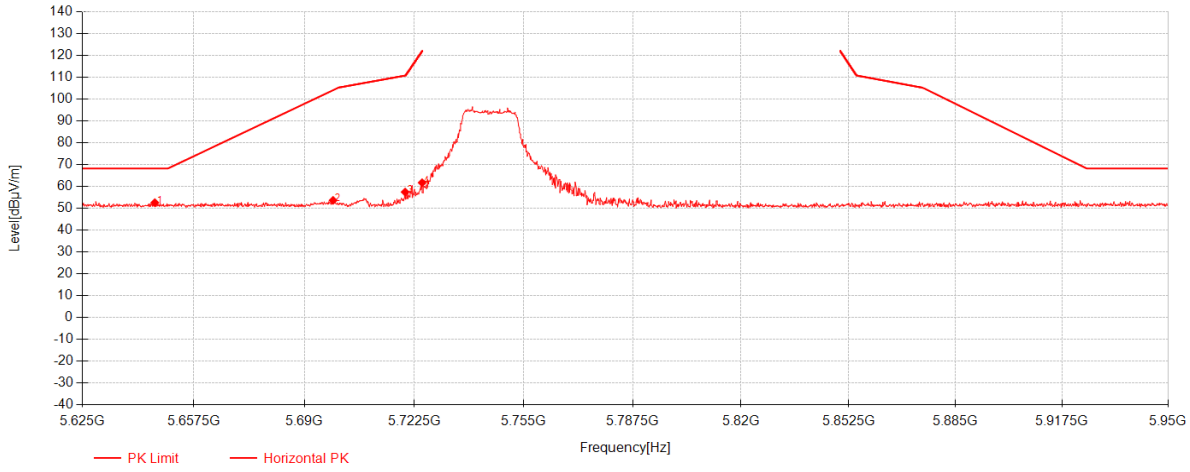
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5726.8	40.95	32.35	-18.81	54.48	68.30	13.82	Horizontal
2	5730.15	39.94	32.35	-18.82	53.47	68.30	14.83	Horizontal

11a_TX_CH_140_Vertical_Peak



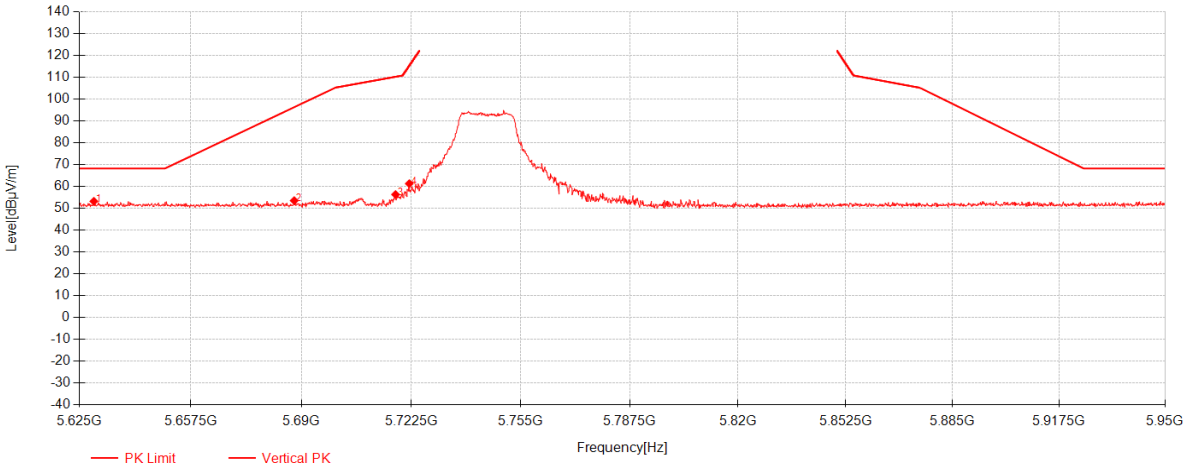
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5725.1	41.61	32.35	-18.81	55.15	68.30	13.15	Vertical
2	5726.95	38.82	32.35	-18.81	52.35	68.30	15.95	Vertical

11a_TX_CH_149_Horizontal_Peak



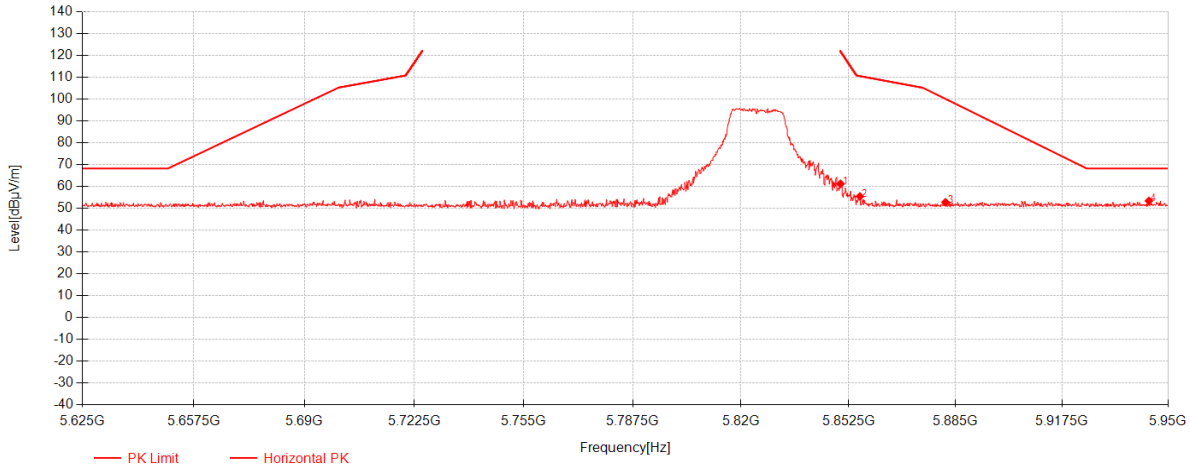
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5646.125	39.00	32.33	-18.72	52.60	68.30	15.70	Horizontal
2	5698.45	40.05	32.34	-18.73	53.66	104.16	50.50	Horizontal
3	5719.7375	43.93	32.34	-18.79	57.48	110.83	53.35	Horizontal
4	5724.775	48.20	32.34	-18.80	61.74	121.79	60.05	Horizontal

11a_TX_CH_149_Vertical_Peak



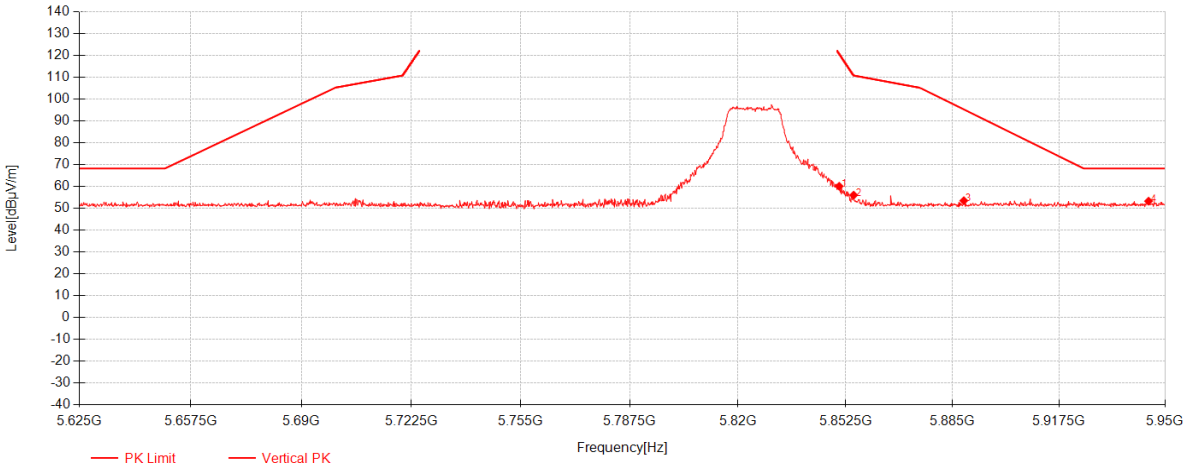
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5629.225	39.63	32.33	-18.72	53.23	68.30	15.07	Vertical
2	5687.8875	39.91	32.34	-18.73	53.52	96.37	42.85	Vertical
3	5717.7875	42.79	32.34	-18.78	56.35	110.28	53.93	Vertical
4	5721.85	47.77	32.34	-18.80	61.32	115.12	53.80	Vertical

11a_TX_CH_165_Horizontal_Peak



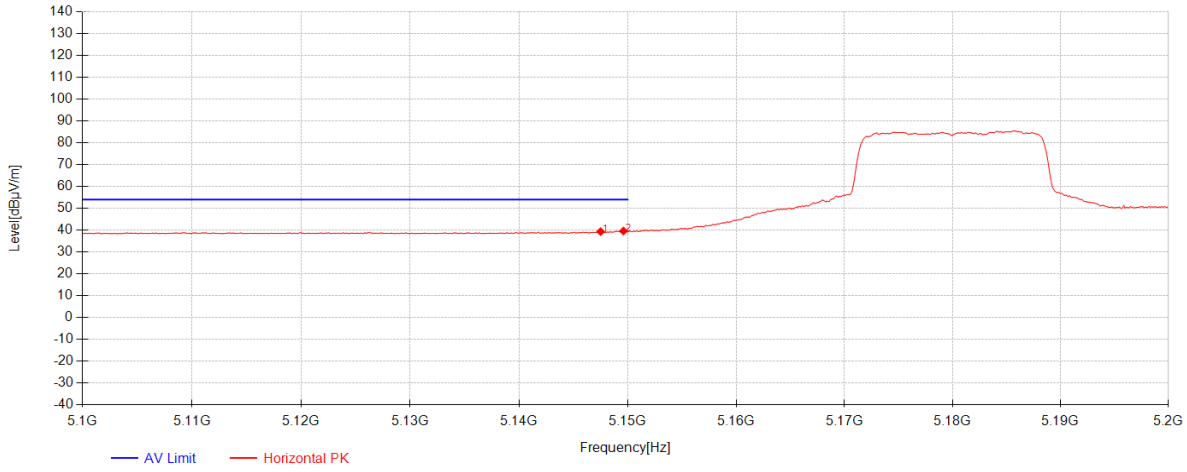
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5850.0625	47.78	32.37	-18.88	61.27	122.16	60.89	Horizontal
2	5855.9125	41.96	32.37	-18.87	55.46	110.64	55.18	Horizontal
3	5881.9125	39.22	32.38	-18.79	52.80	100.17	47.37	Horizontal
4	5944.15	39.86	32.39	-18.83	53.42	68.30	14.88	Horizontal

11a_TX_CH_165_Vertical_Peak



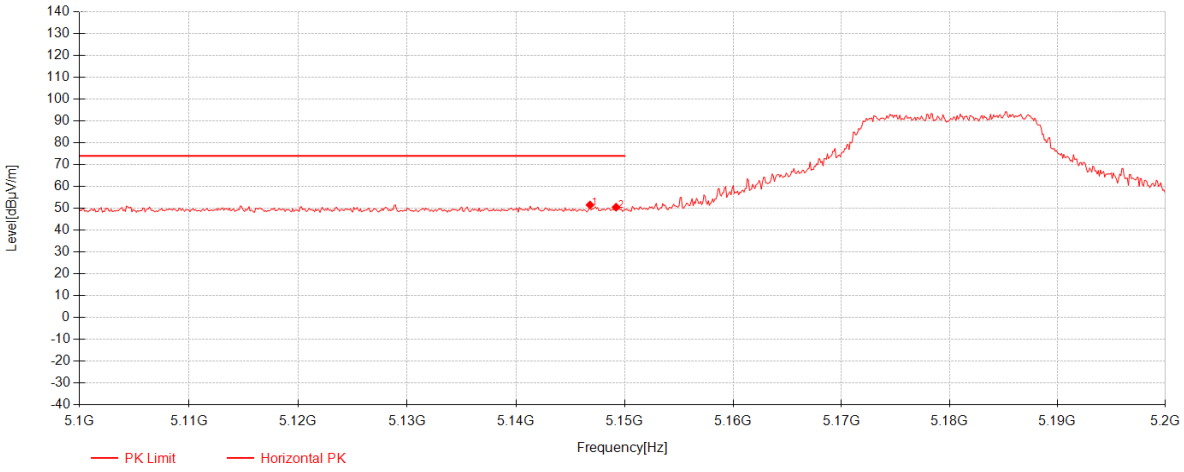
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5850.55	46.65	32.37	-18.88	60.14	121.05	60.91	Vertical
2	5854.9375	42.55	32.37	-18.87	56.05	111.04	54.99	Vertical
3	5888.4125	39.92	32.38	-18.77	53.52	95.34	41.82	Vertical
4	5944.9625	39.75	32.39	-18.83	53.30	68.30	15.00	Vertical

11a_TX_CH_36_Horizontal_Average



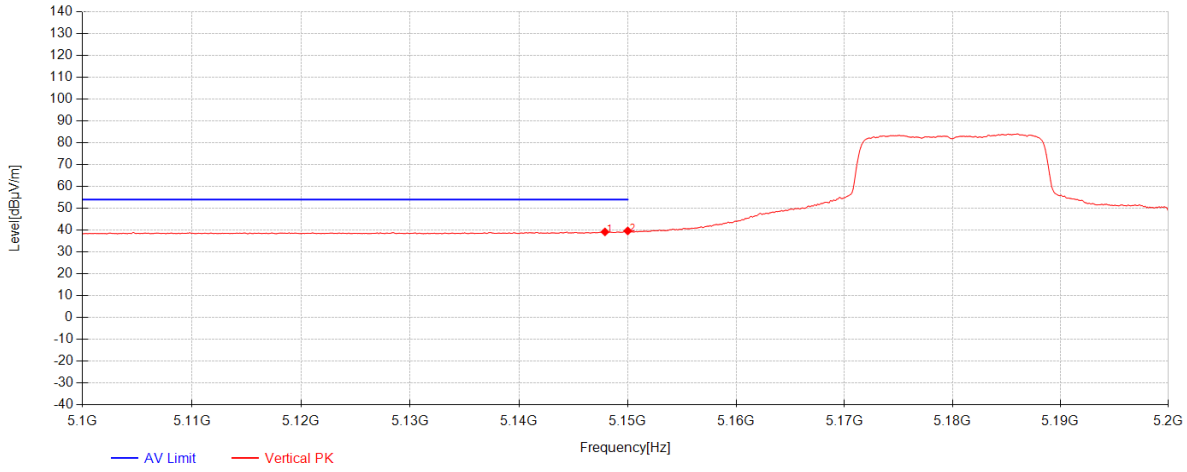
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.5	26.80	31.67	-19.15	39.32	54.00	14.68	Horizontal
2	5149.6	27.08	31.67	-19.14	39.61	54.00	14.39	Horizontal

11a_TX_CH_36_Horizontal_Peak



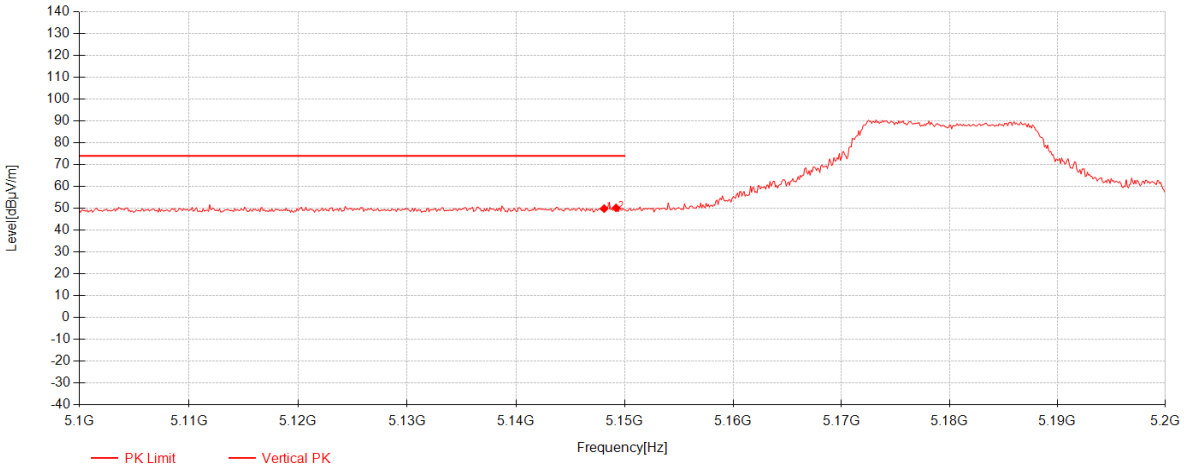
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5146.8	39.02	31.66	-19.15	51.54	74.00	22.46	Horizontal
2	5149.2	37.99	31.67	-19.14	50.52	74.00	23.48	Horizontal

11a_TX_CH_36_Vertical_Average



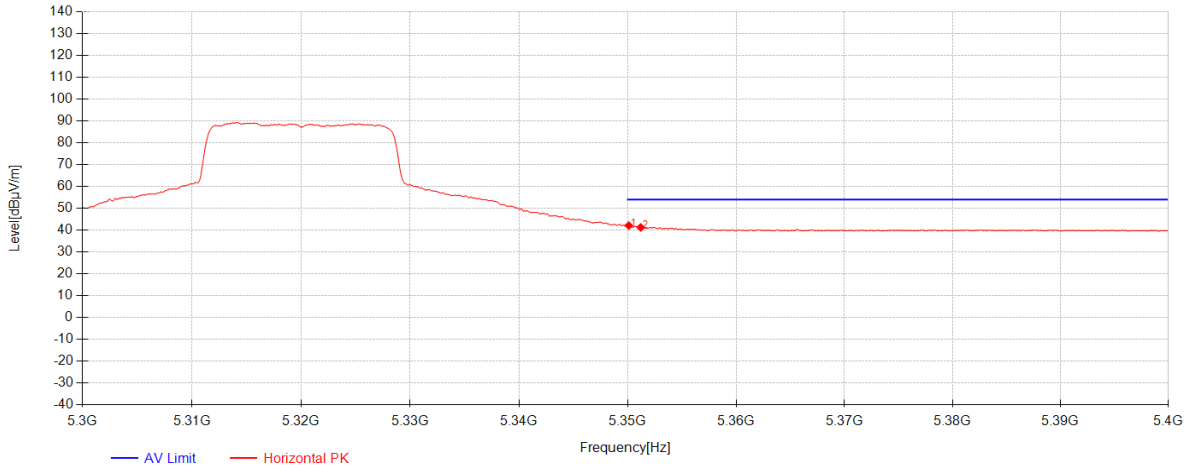
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5147.9	26.67	31.67	-19.15	39.19	54.00	14.81	Vertical
2	5150	27.12	31.67	-19.14	39.65	54.00	14.35	Vertical

11a_TX_CH_36_Vertical_Peak



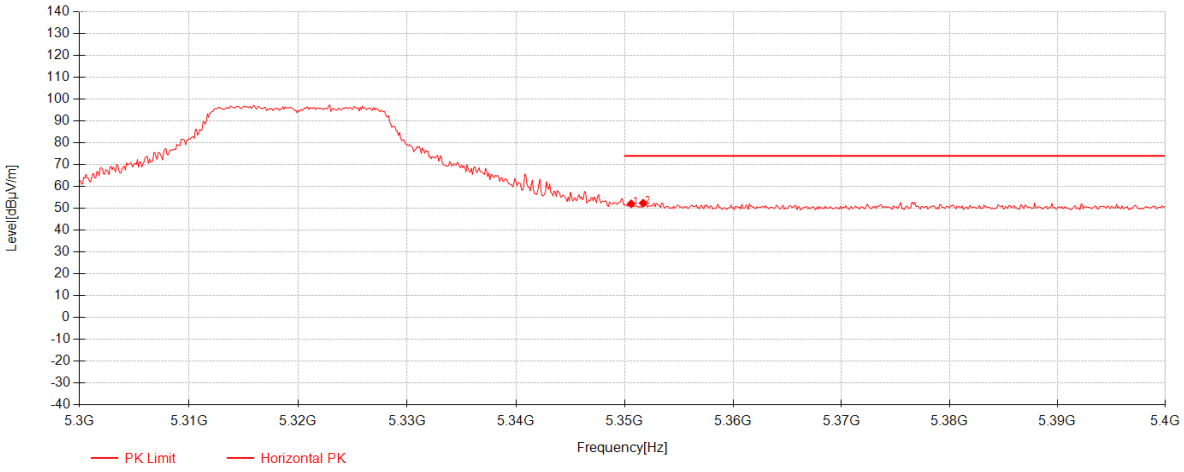
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5148.1	37.36	31.67	-19.14	49.88	74.00	24.12	Vertical
2	5149.2	37.69	31.67	-19.14	50.22	74.00	23.78	Vertical

11a_TX_CH_64_Horizontal_Average



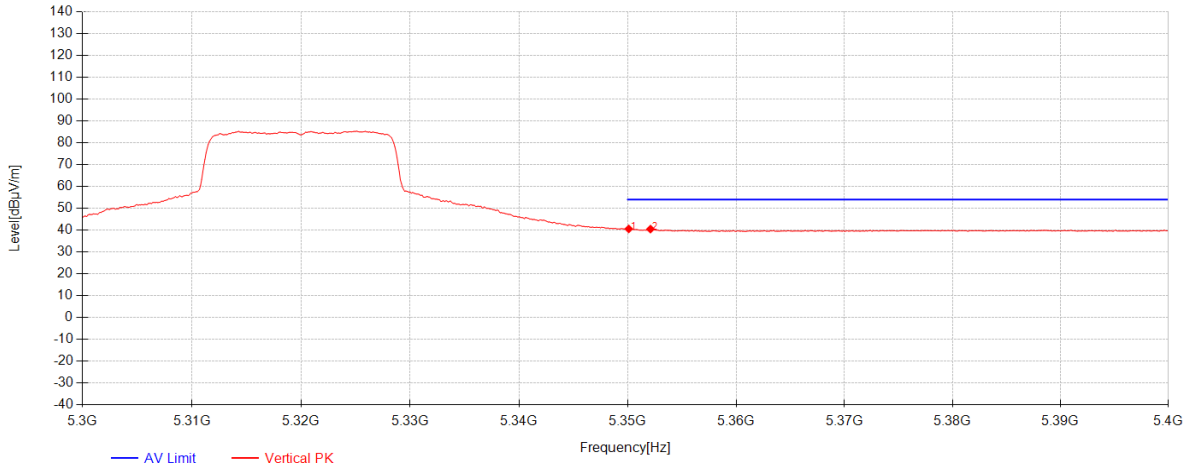
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.1	28.97	32.03	-18.90	42.10	54.00	11.90	Horizontal
2	5351.2	28.12	32.03	-18.90	41.25	54.00	12.75	Horizontal

11a_TX_CH_64_Horizontal_Peak



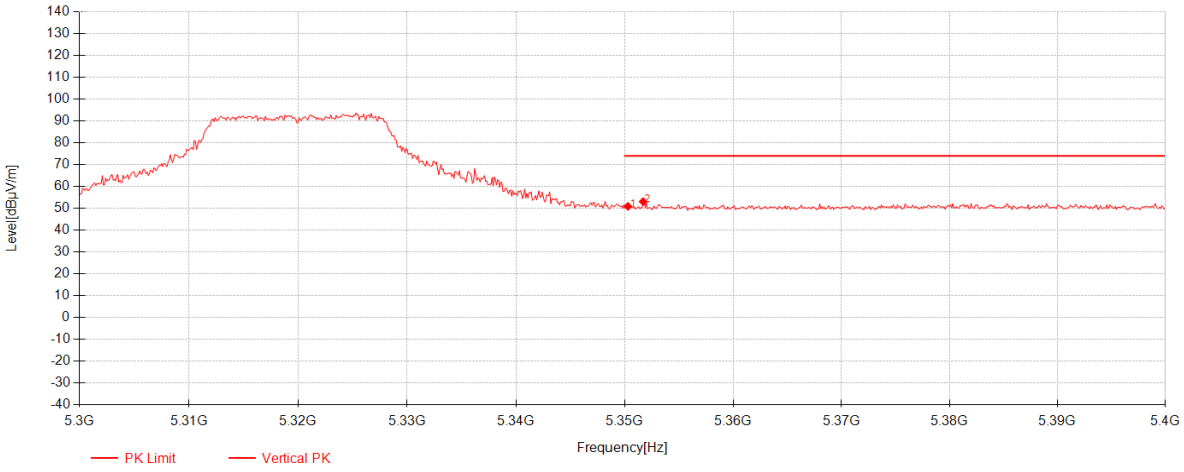
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.6	38.97	32.03	-18.90	52.10	74.00	21.90	Horizontal
2	5351.7	39.28	32.03	-18.90	52.41	74.00	21.59	Horizontal

11a_TX_CH_64_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.1	27.43	32.03	-18.90	40.56	54.00	13.44	Vertical
2	5352.1	27.35	32.03	-18.91	40.48	54.00	13.52	Vertical

11a_TX_CH_64_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.3	37.76	32.03	-18.90	50.89	74.00	23.11	Vertical
2	5351.7	39.97	32.03	-18.90	53.10	74.00	20.90	Vertical

7.5 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2
Test Method: ANSI C63.10 (2020) Section 12.2

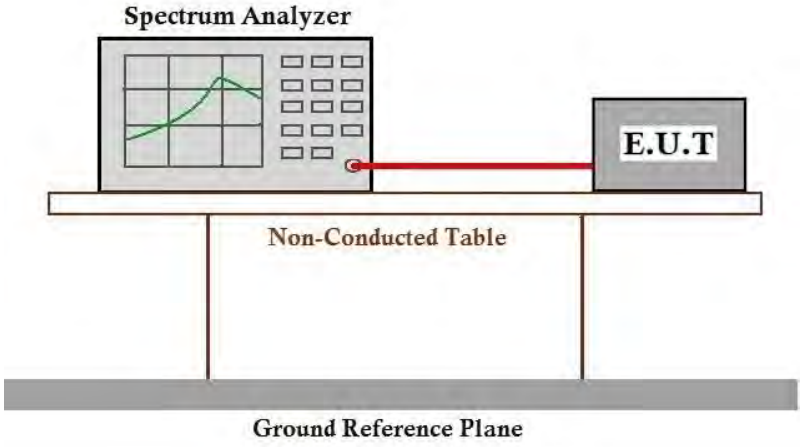
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.5.2 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2
Test Method: ANSI C63.10 (2020) Section 12.5.3

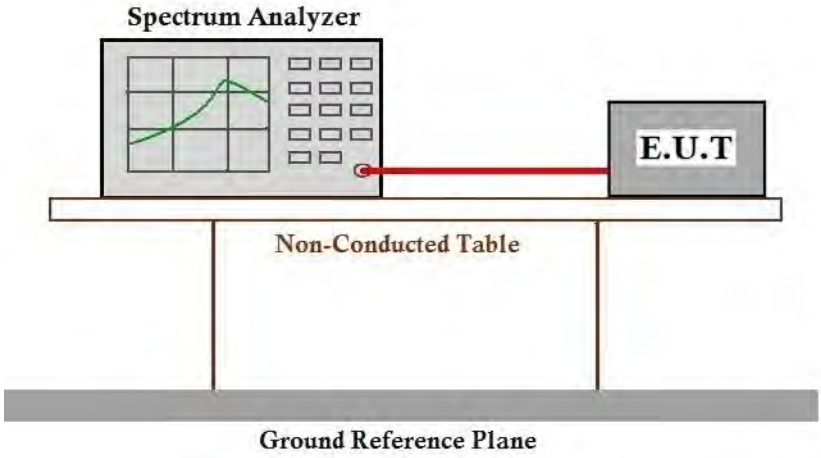
7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, 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 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2020) Section 12.5.2

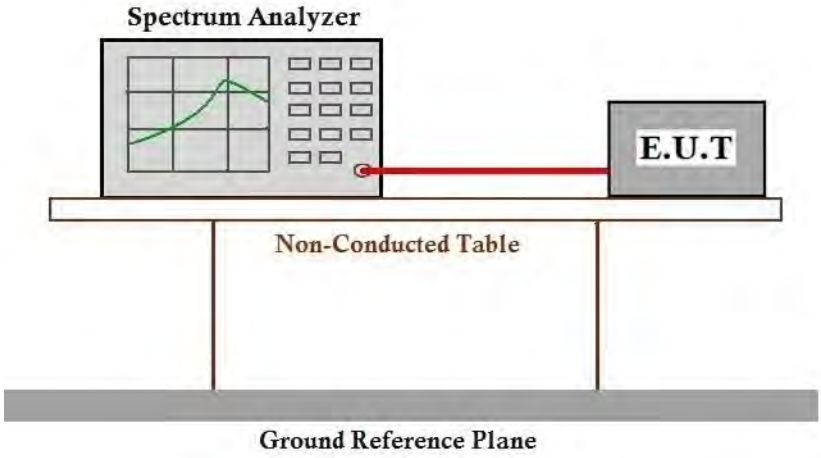
7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, 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 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)
Test Method: ANSI C63.10 (2020) Section 12.5.1

Limit:

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

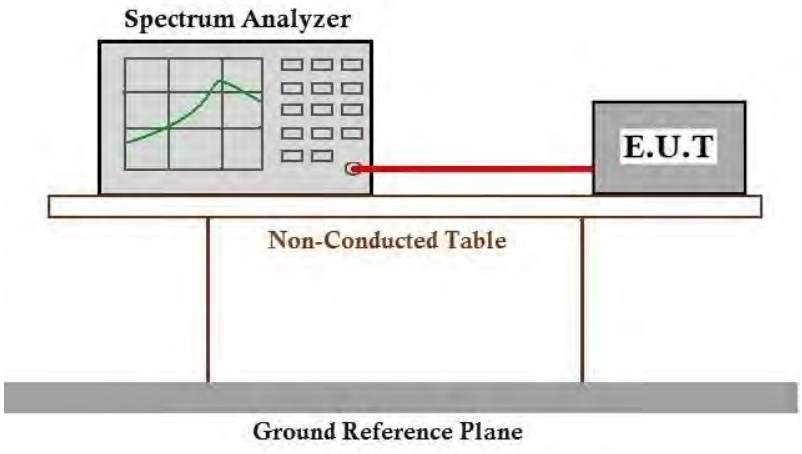
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 802.11ac/ax 20/40, 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 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2020) Section 12.4

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

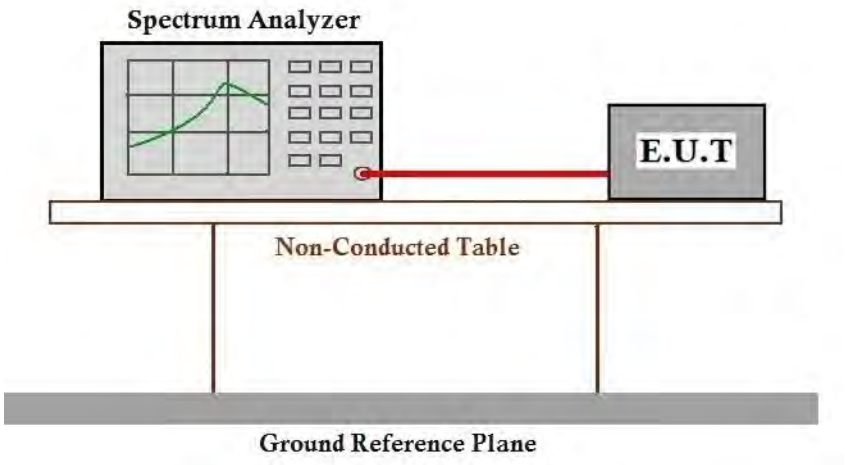
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.9.2 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

AV Output power Level = Reading level +Cable loss + DCCF

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: ANSI C63.10 (2020) Section 12.6

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

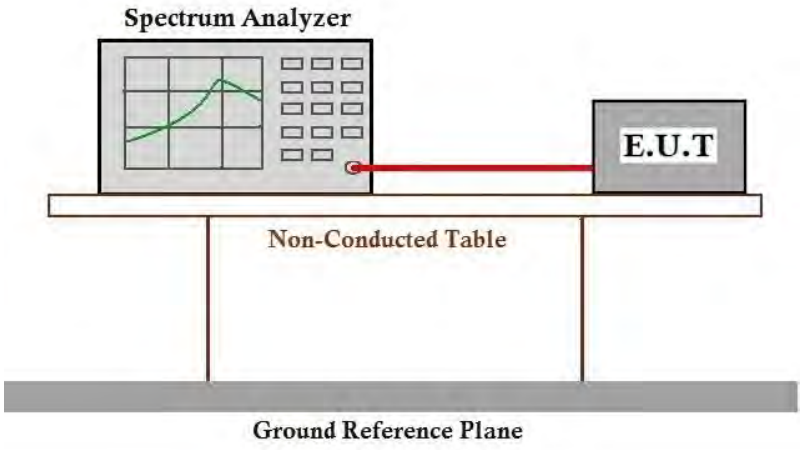
Operating Environment:

Temperature: 22.8 °C Humidity: 48.1 % 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

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 (2020) Section 6.8

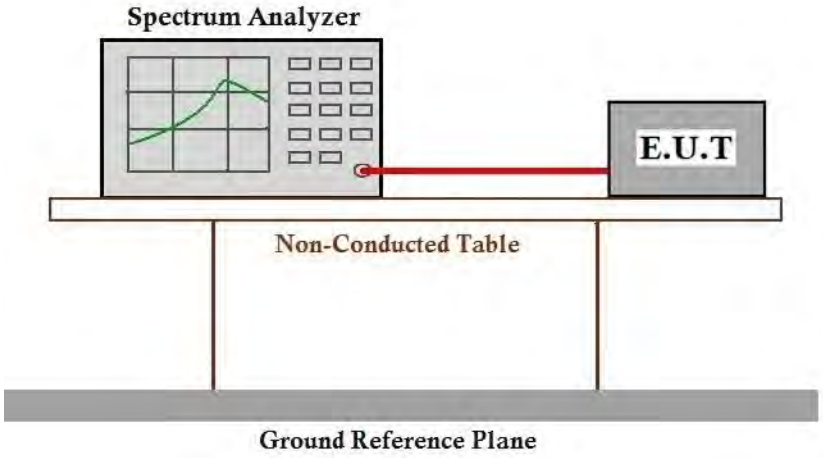
7.11.1 E.U.T. Operation

Operating Environment:
Temperature: 22.8 °C Humidity: 48.1 % 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 802.11ac/ax 20/40, 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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _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 802.11ac/ax 20/40, Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac/ax 20/40, 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 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.

7.12.1 E.U.T. Operation

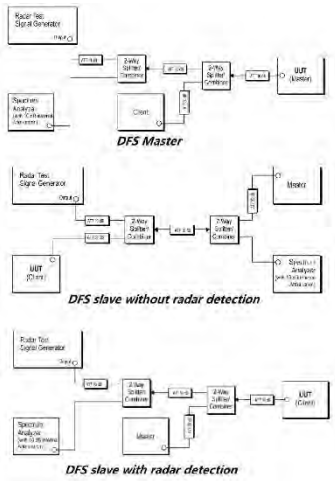
Operating Environment:

Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	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 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.

7.13.1 E.U.T. Operation

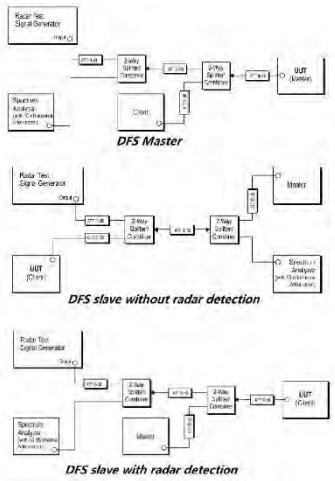
Operating Environment:

Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	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 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.			

7.14.1 E.U.T. Operation

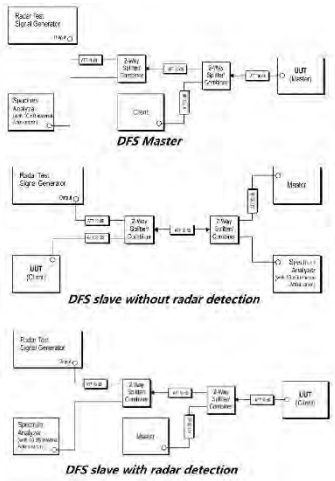
Operating Environment:

Temperature: 22.8 °C Humidity: 48.1 % RH Atmospheric Pressure: 1010 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	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 KSCR2507001456AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for KSCR2507001456AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

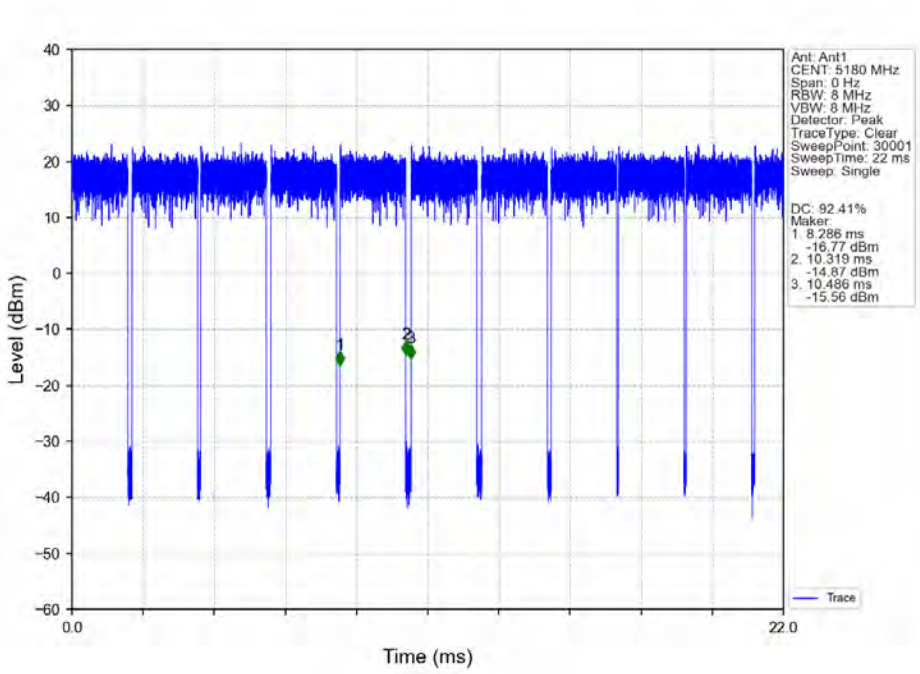
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	2.200	92.41	0.34	5.17
		5200	/	/	2.038	2.200	92.64	0.33	5.22
		5240	/	/	2.032	2.199	92.41	0.34	5.19
		5260	/	/	2.038	2.208	92.30	0.35	6.04
		5300	/	/	2.032	2.200	92.36	0.34	3.55
		5320	/	/	2.033	2.165	93.90	0.27	4.12
		5500	/	/	2.034	2.192	92.79	0.32	4.77
		5580	/	/	2.033	2.239	90.80	0.42	3.78
		5700	/	/	2.033	2.181	93.21	0.31	4.44
		5745	/	/	2.033	2.221	91.54	0.38	3.06
		5785	/	/	2.043	2.794	73.12	1.36	23.34
		5825	/	/	2.032	2.191	92.74	0.33	4.84
802.11ac (VHT20)	SISO	5180	/	/	1.901	2.050	92.73	0.33	3.80
		5200	/	/	1.901	2.108	90.18	0.45	4.48
		5240	/	/	1.907	2.078	91.77	0.37	5.96
		5260	/	/	1.901	2.068	91.92	0.37	4.66
		5300	/	/	1.901	2.077	91.53	0.38	4.15
		5320	/	/	1.901	2.059	92.33	0.35	4.22
		5500	/	/	1.901	2.058	92.37	0.34	3.77
		5580	/	/	1.901	2.078	91.48	0.39	5.05
		5700	/	/	1.900	2.134	89.03	0.50	4.78
		5745	/	/	1.910	2.125	89.88	0.46	7.61
		5785	/	/	1.908	2.068	92.26	0.35	3.75
		5825	/	/	1.901	2.077	91.53	0.38	5.06
802.11ac (VHT40)	SISO	5190	/	/	0.937	1.162	80.64	0.93	9.07
		5230	/	/	0.938	1.095	85.66	0.67	7.69
		5270	/	/	0.938	1.087	86.29	0.64	6.96
		5310	/	/	0.938	1.105	84.89	0.71	9.23
		5510	/	/	0.937	1.095	85.57	0.68	9.35
		5550	/	/	0.936	1.170	80.00	0.97	6.69
		5670	/	/	0.936	1.095	85.48	0.68	9.38
		5755	/	/	0.937	1.113	84.19	0.75	9.05
		5795	/	/	0.937	1.170	80.09	0.96	8.88
802.11ax (HE20)	SISO	5180	SU	/	1.460	1.614	90.46	0.44	7.06
		5200	SU	/	1.455	1.631	89.21	0.50	5.74
		5240	SU	/	1.455	1.631	89.21	0.50	6.89
		5260	SU	/	1.462	1.623	90.08	0.45	7.62

		5300	SU	/	1.455	1.671	87.07	0.60	3.95
		5320	SU	/	1.455	1.605	90.65	0.43	5.98
		5500	SU	/	1.455	1.614	90.15	0.45	5.34
		5580	SU	/	1.454	1.670	87.07	0.60	4.97
		5700	SU	/	1.455	1.632	89.15	0.50	6.31
		5745	SU	/	1.455	1.614	90.15	0.45	6.49
		5785	SU	/	1.455	1.632	89.15	0.50	7.46
		5825	SU	/	1.455	1.680	86.61	0.62	6.47
802.11ax (HE40)	SISO	5190	SU	/	0.748	0.915	81.75	0.88	11.97
		5230	SU	/	0.748	0.982	76.17	1.18	6.85
		5270	SU	/	0.747	0.915	81.64	0.88	13.04
		5310	SU	/	0.748	0.919	81.39	0.89	6.03
		5510	SU	/	0.747	0.924	80.84	0.92	12.81
		5550	SU	/	0.748	0.982	76.17	1.18	11.19
		5670	SU	/	0.747	0.897	83.28	0.79	10.34
		5755	SU	/	0.752	0.924	81.39	0.89	6.95
		5795	SU	/	0.748	0.897	83.39	0.79	11.44

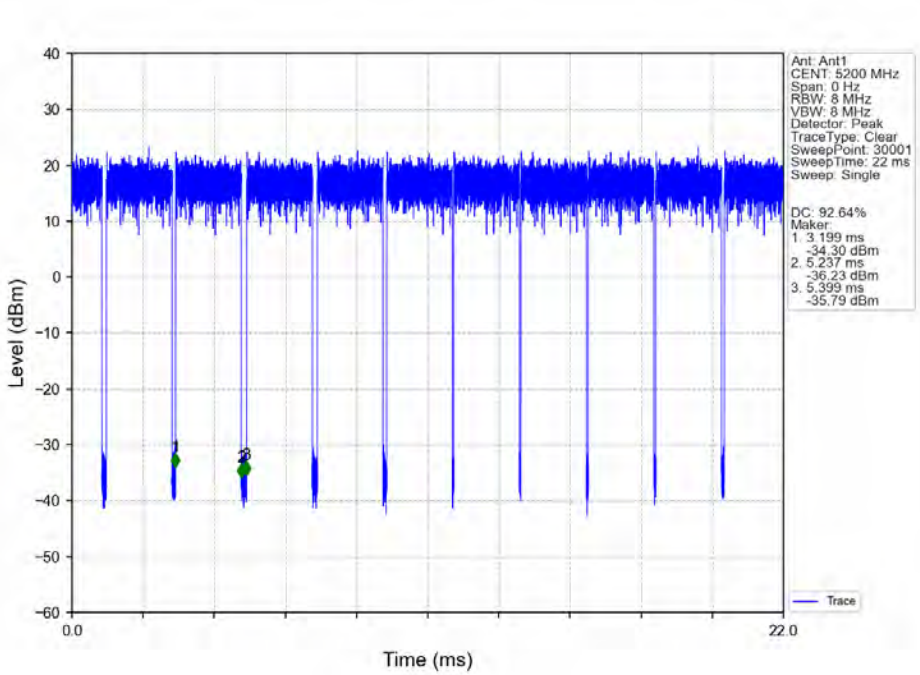
1.2 Test Graph

1.2.1 Ant1

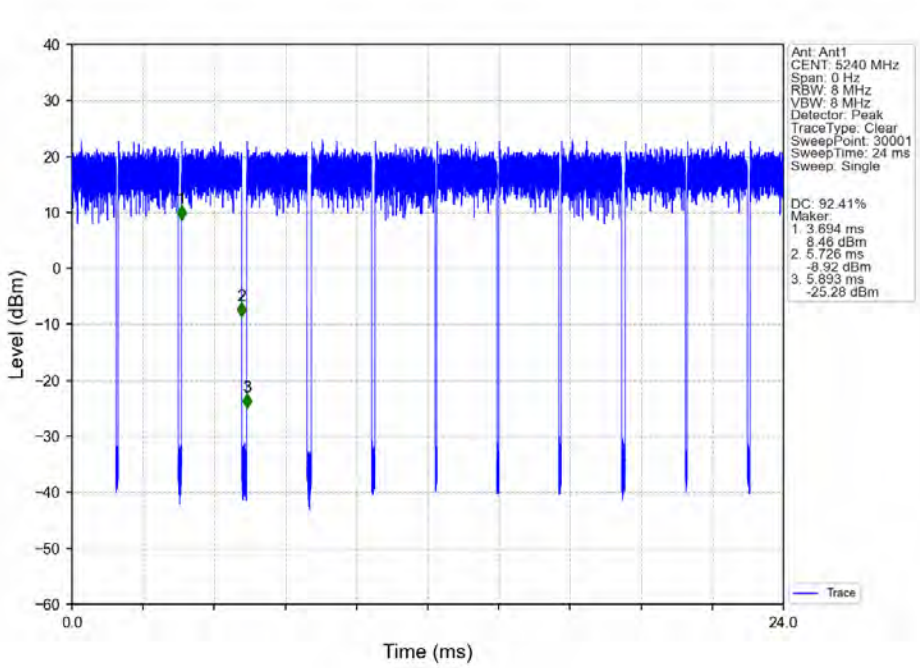
802.11a_LCH_5180MHz_Ant1_NTNV



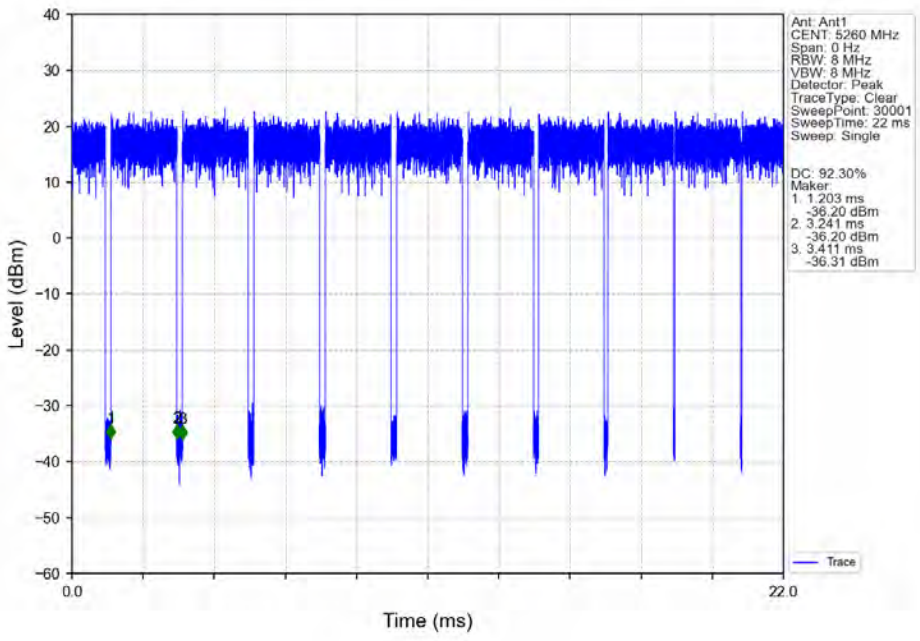
802.11a_MCH_5200MHz_Ant1_NTNV



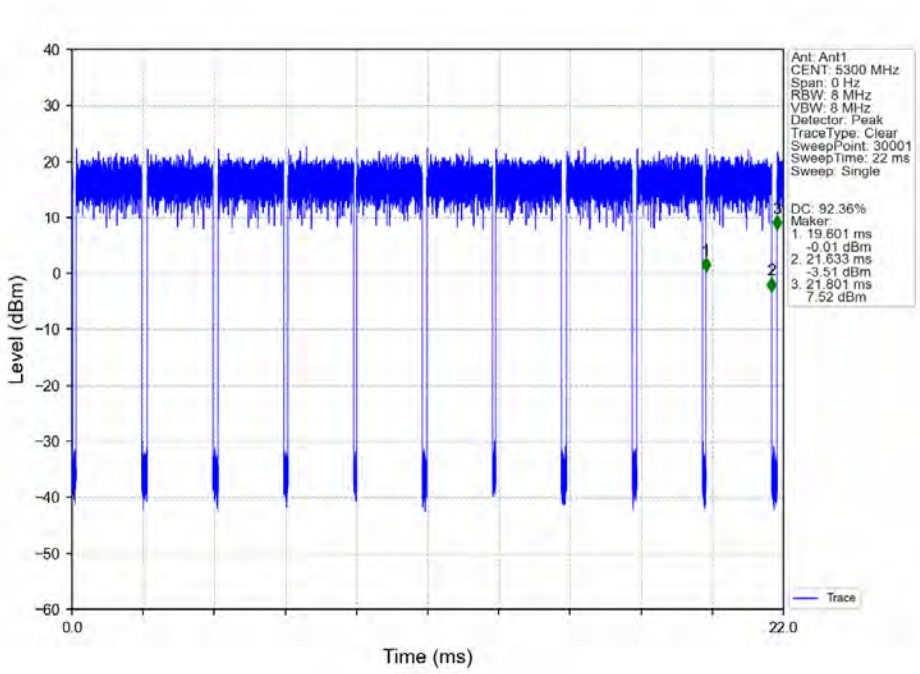
802.11a_HCH_5240MHz_Ant1_NTNV



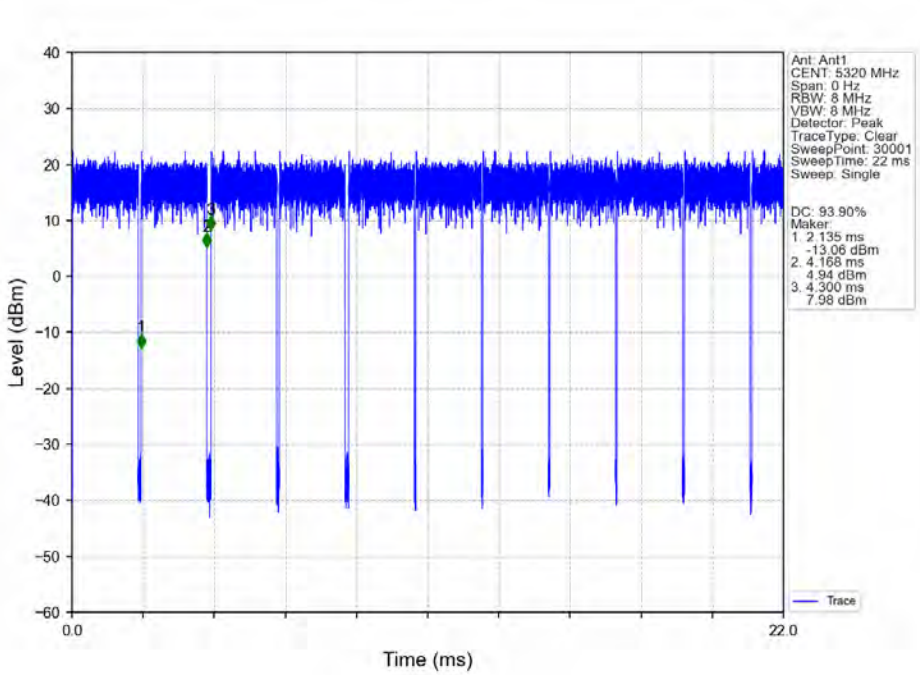
802.11a_LCH_5260MHz_Ant1_NTNV



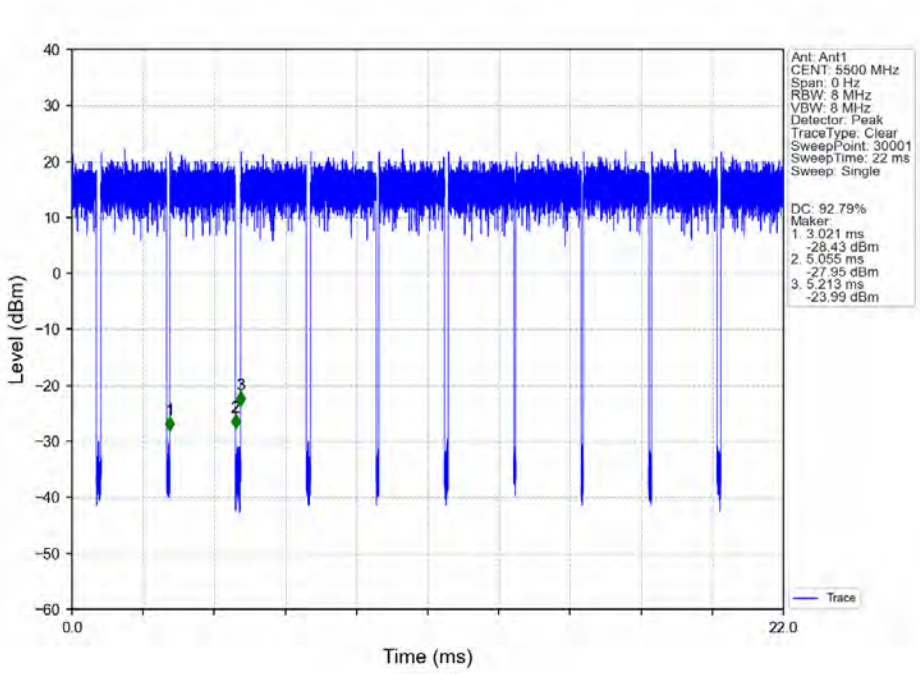
802.11a_MCH_5300MHz_Ant1_NTNV



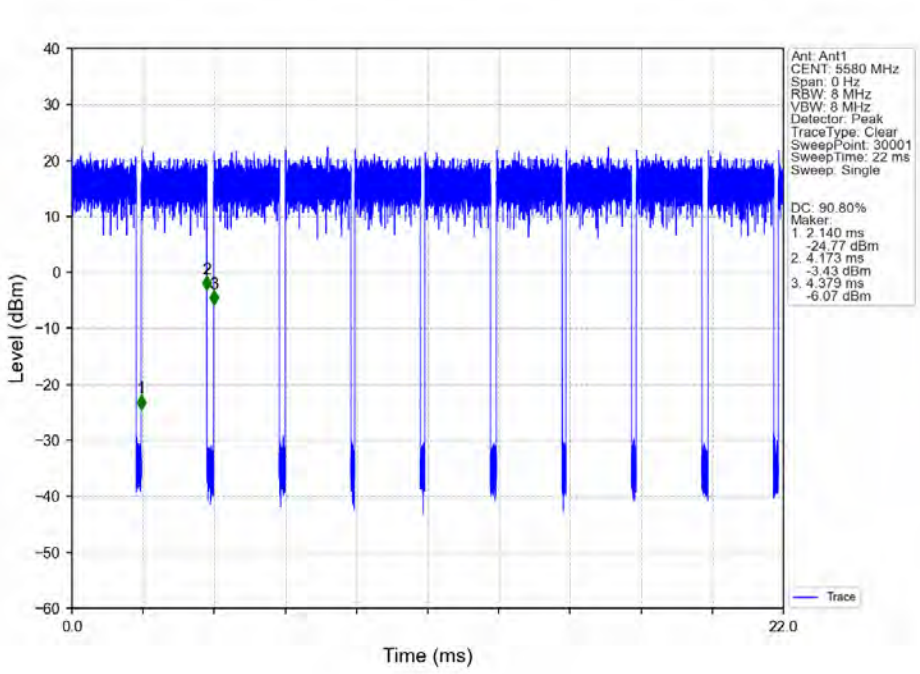
802.11a_HCH_5320MHz_Ant1_NTNV



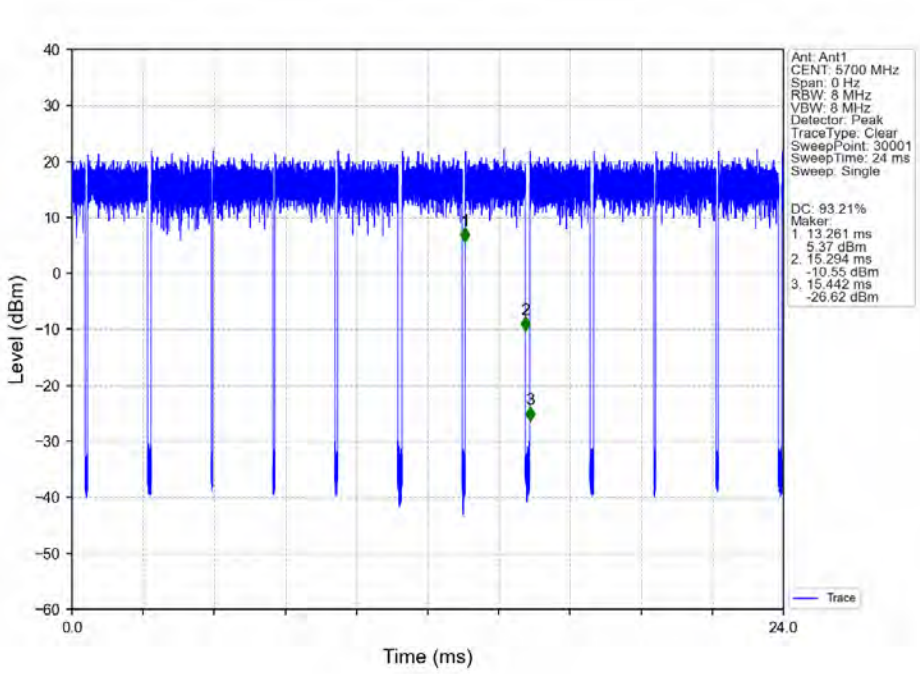
802.11a_LCH_5500MHz_Ant1_NTNV



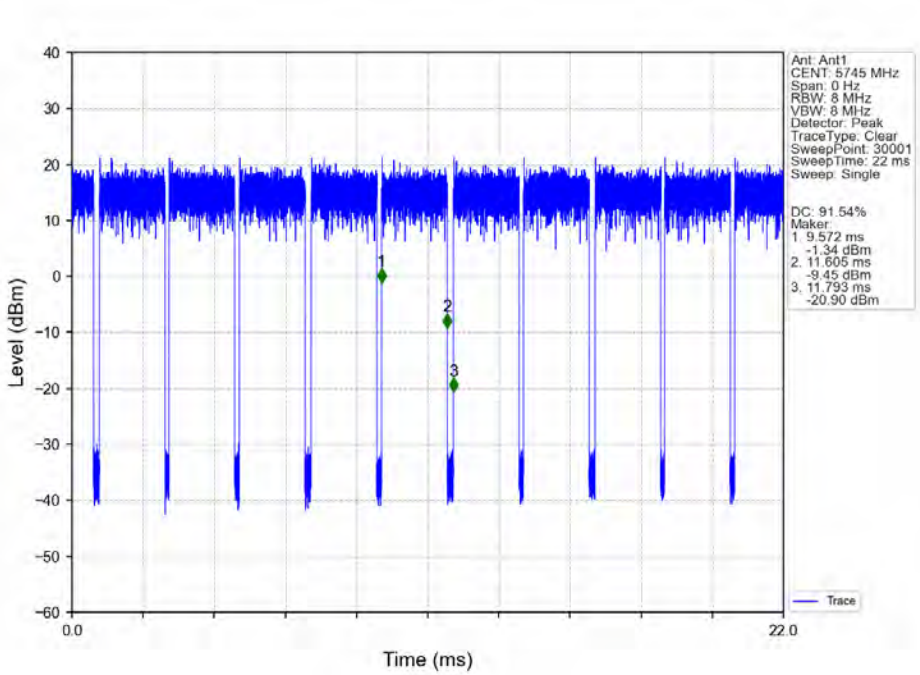
802.11a_MCH_5580MHz_Ant1_NTNV



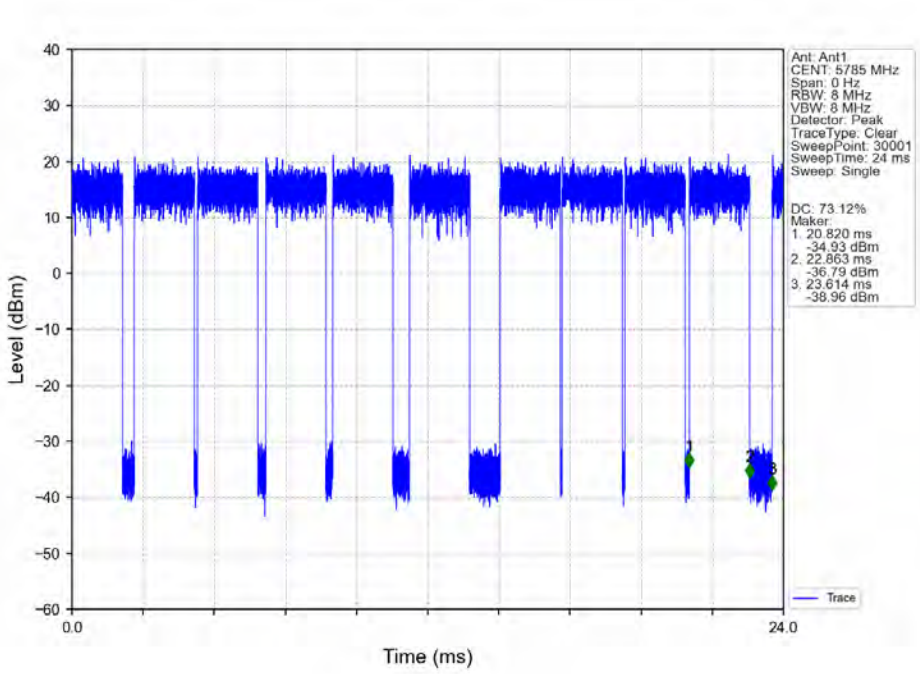
802.11a_HCH_5700MHz_Ant1_NTNV



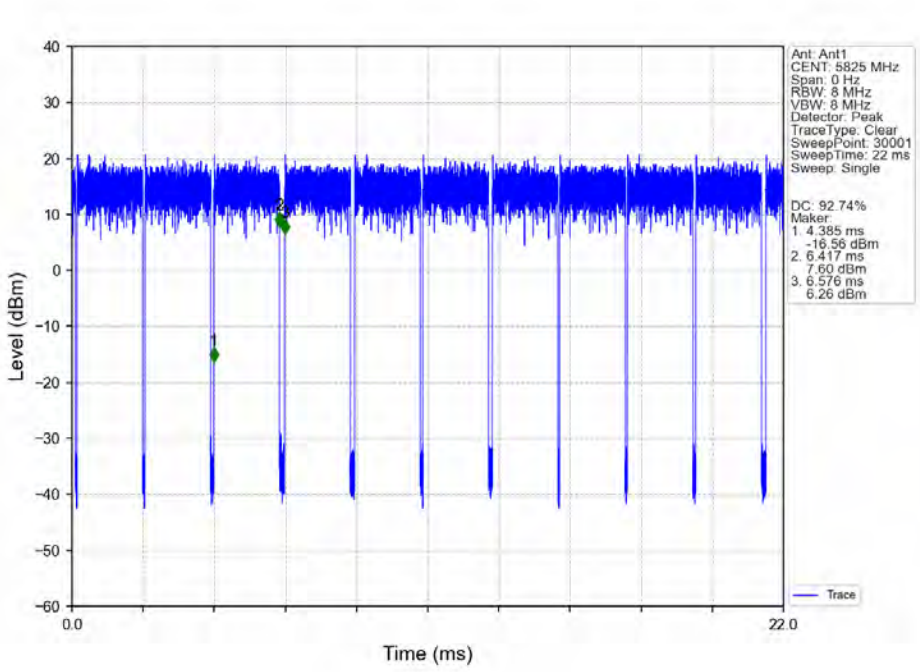
802.11a_LCH_5745MHz_Ant1_NTNV



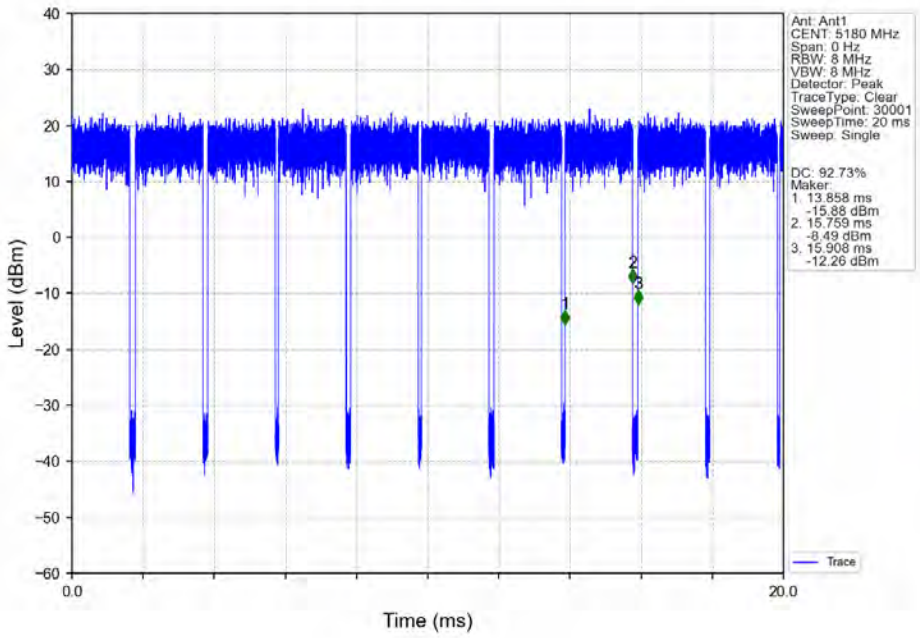
802.11a_MCH_5785MHz_Ant1_NTNV



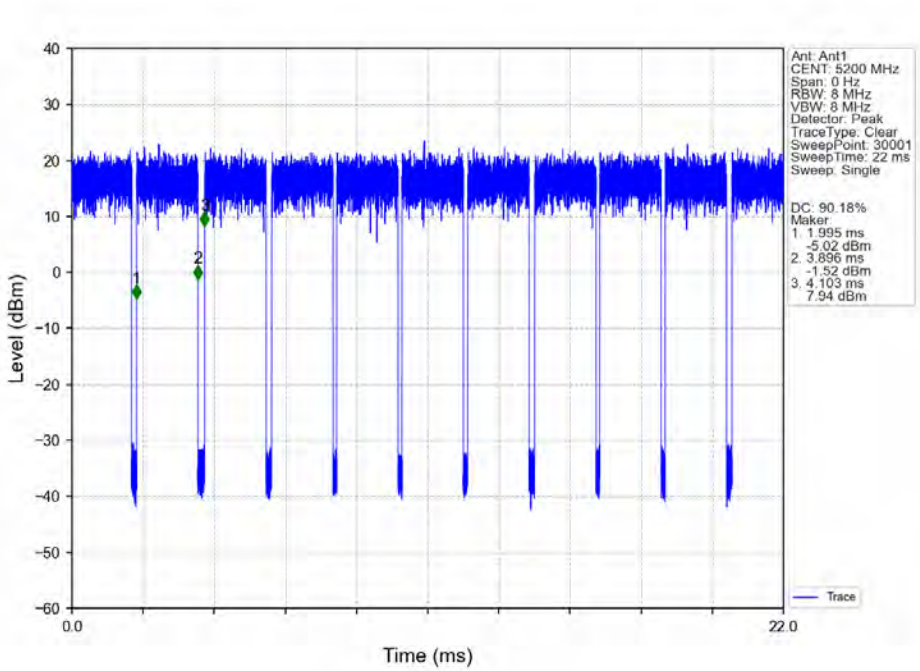
802.11a_HCH_5825MHz_Ant1_NTNV



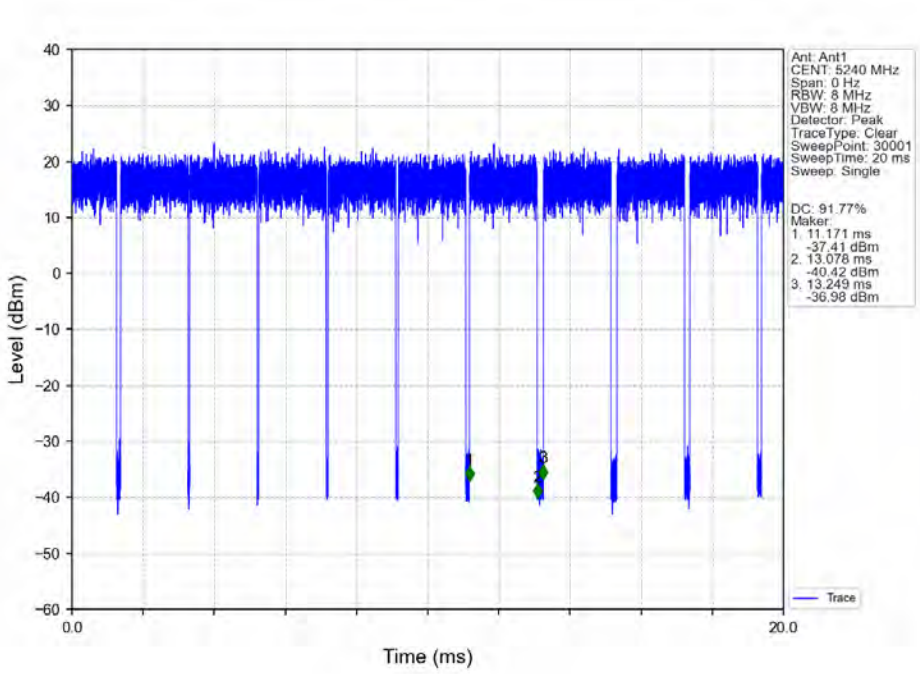
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



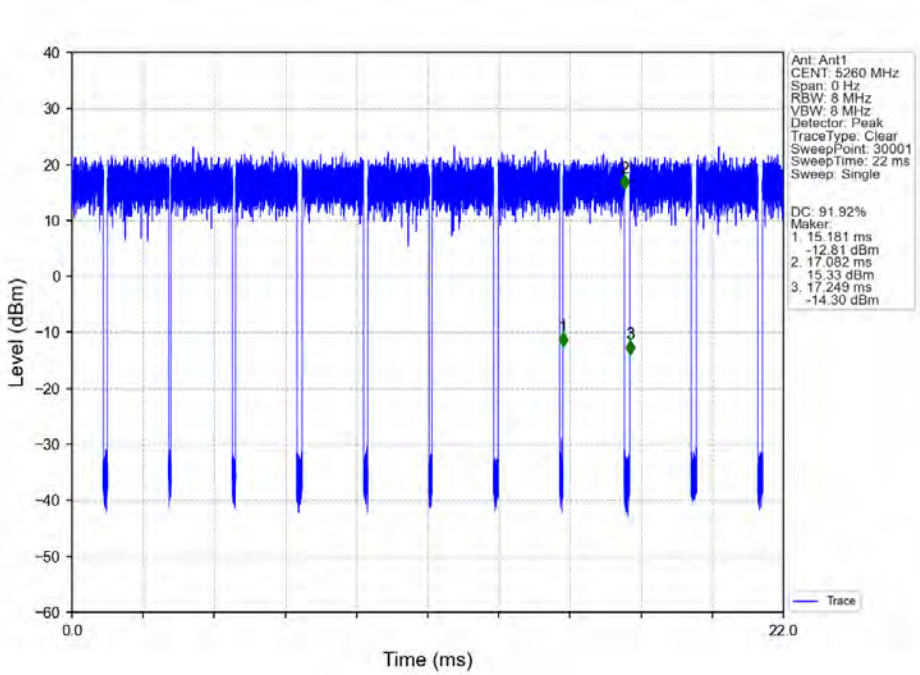
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



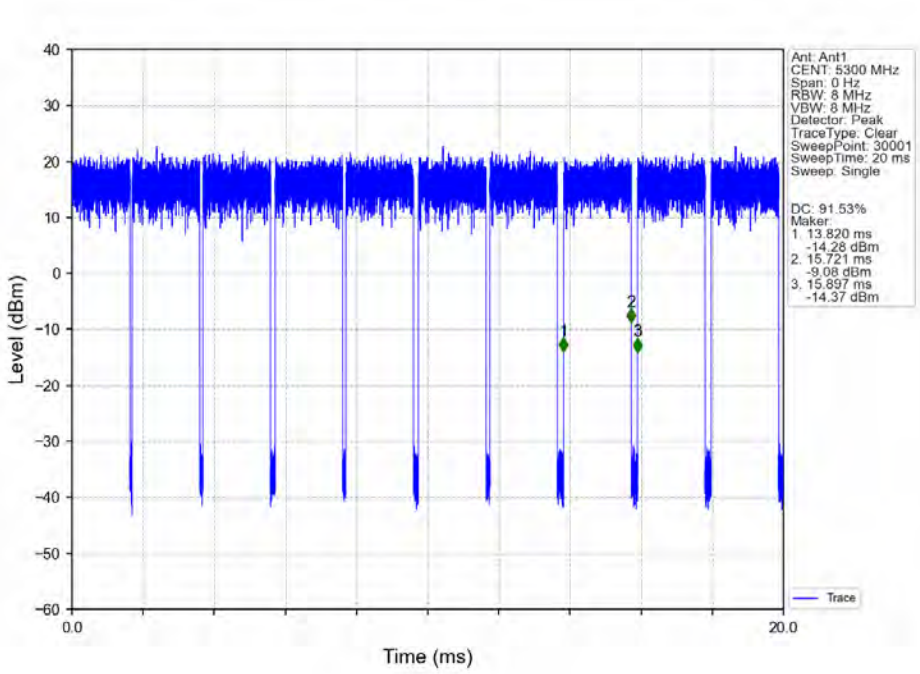
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



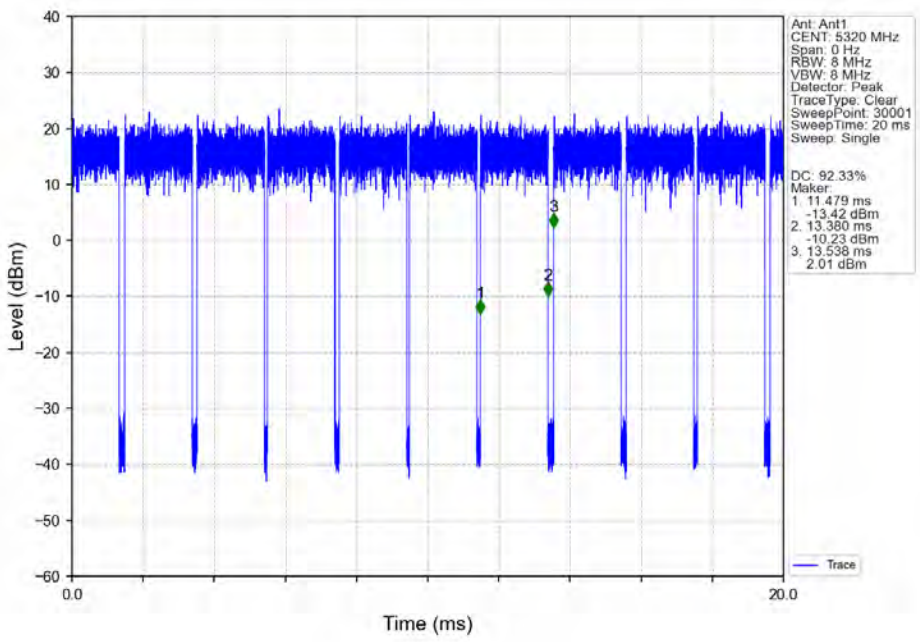
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



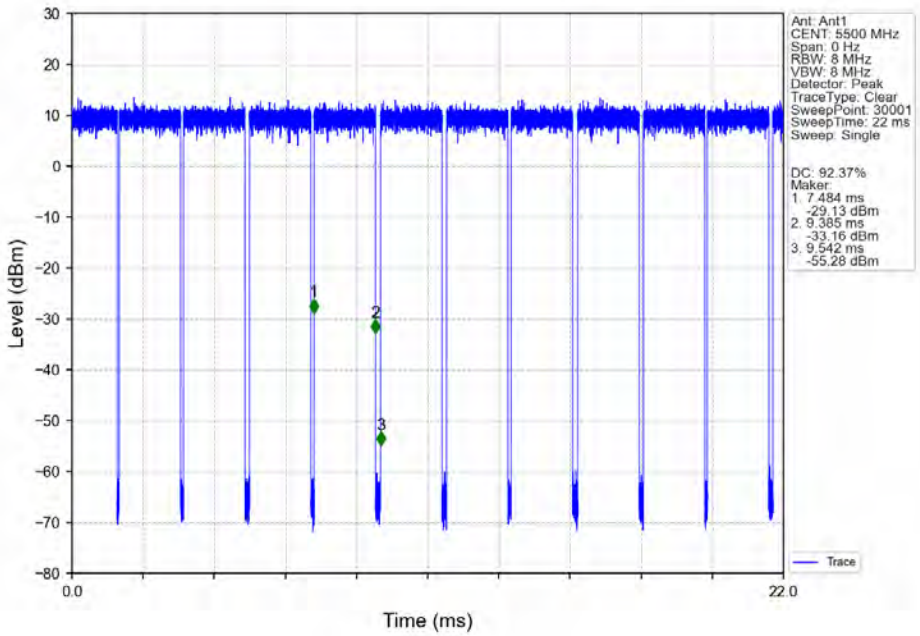
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



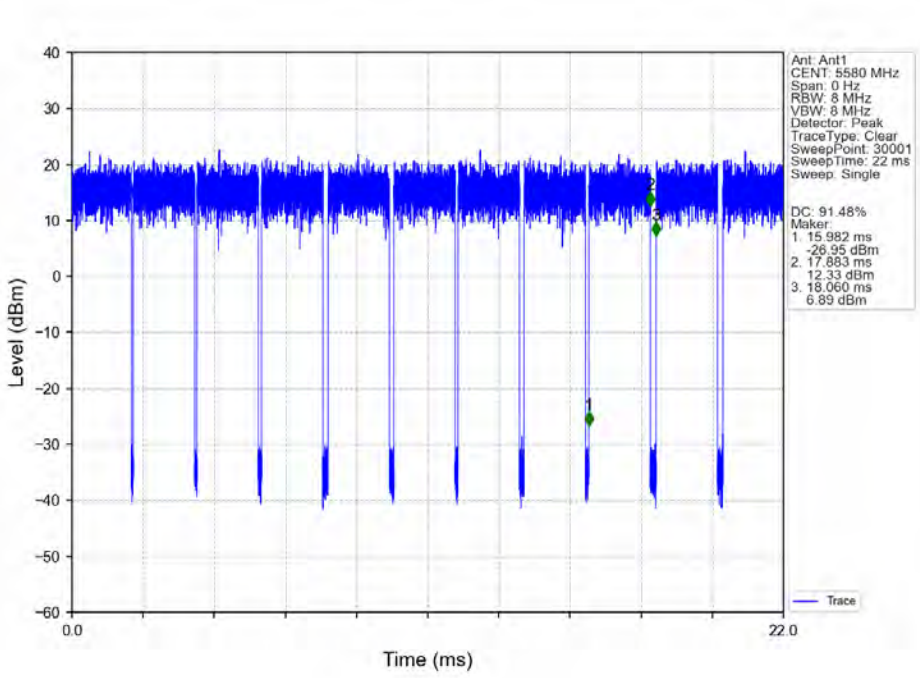
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



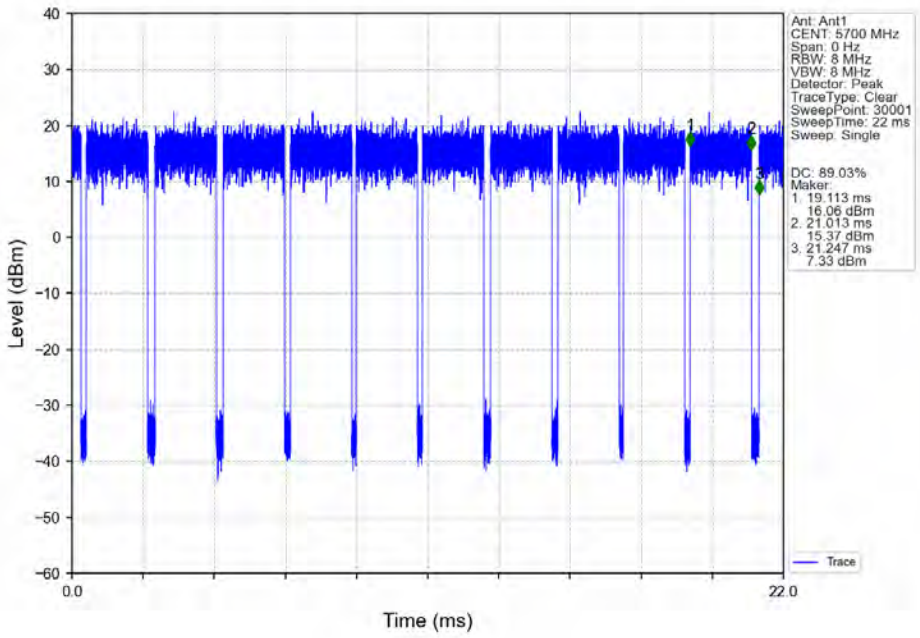
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



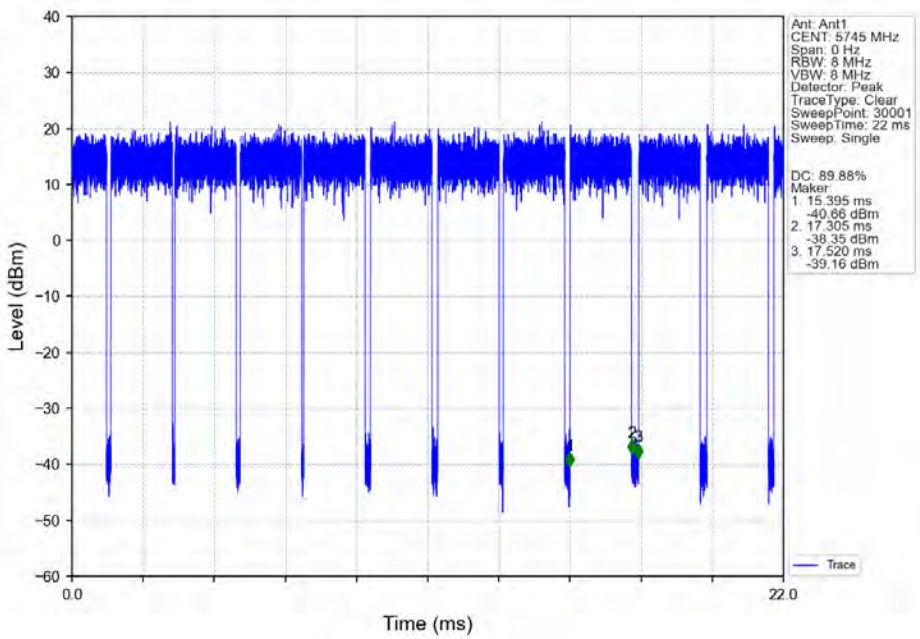
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



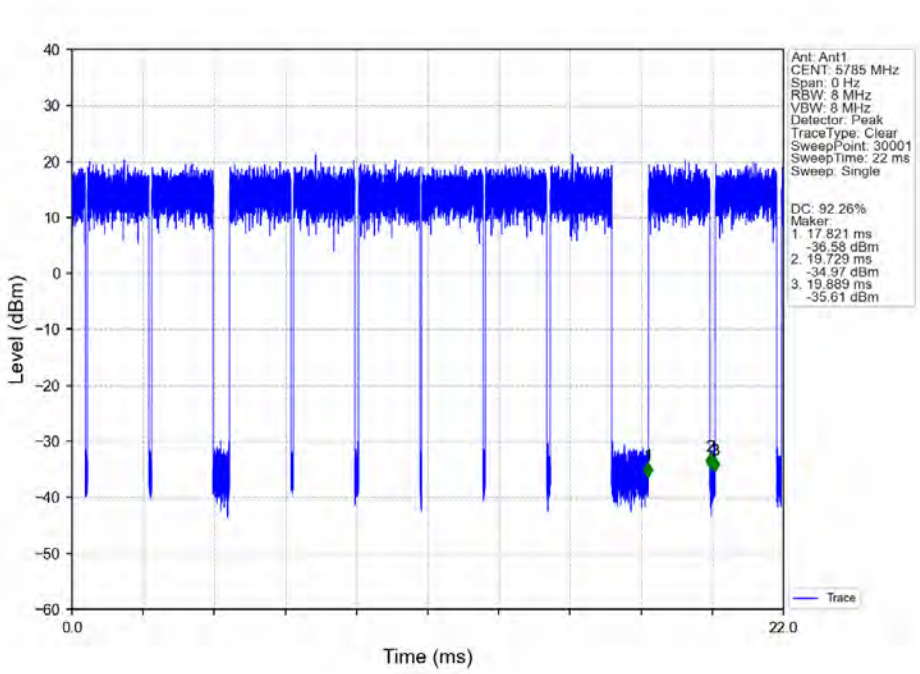
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



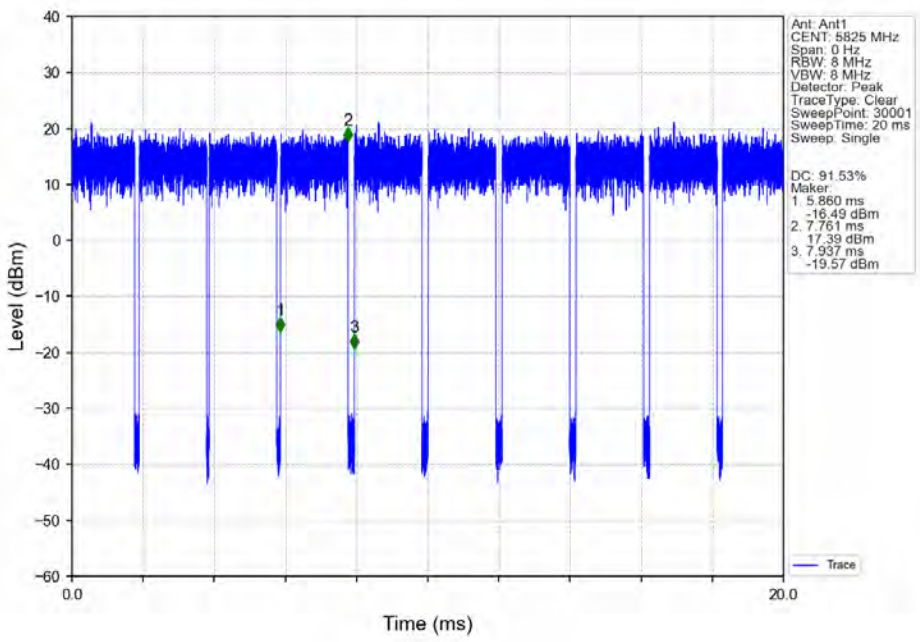
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



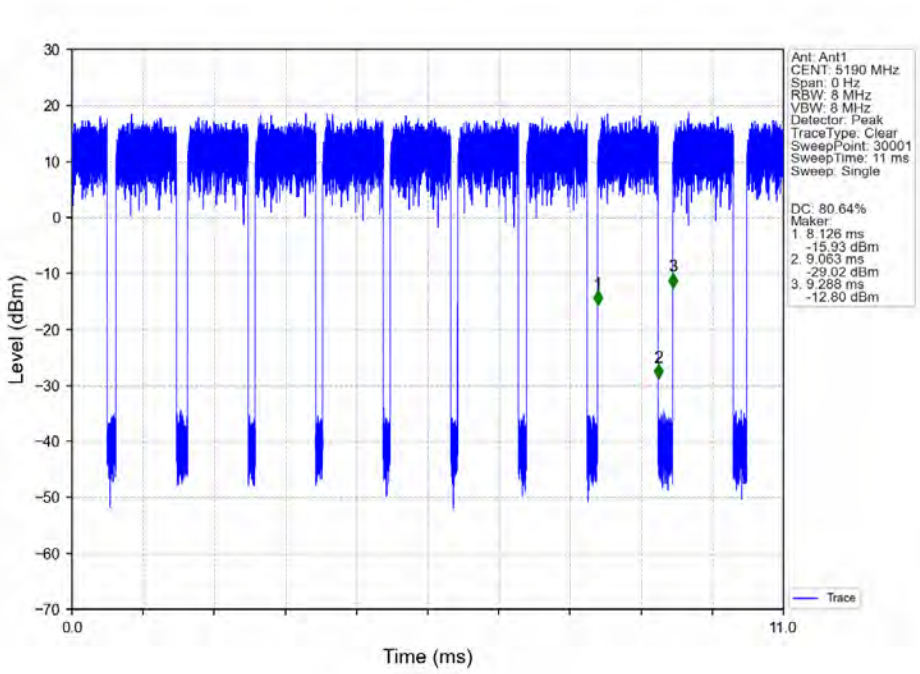
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



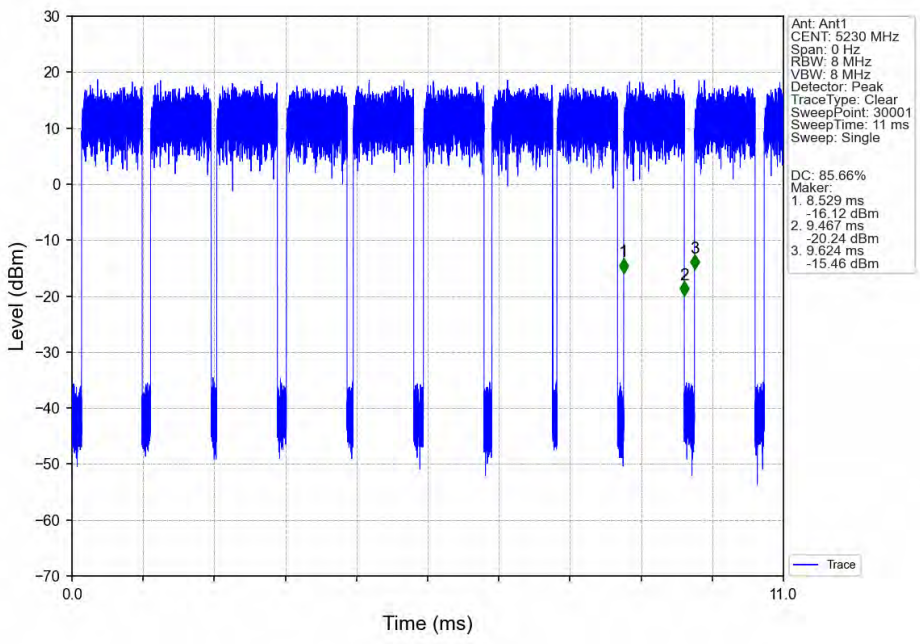
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



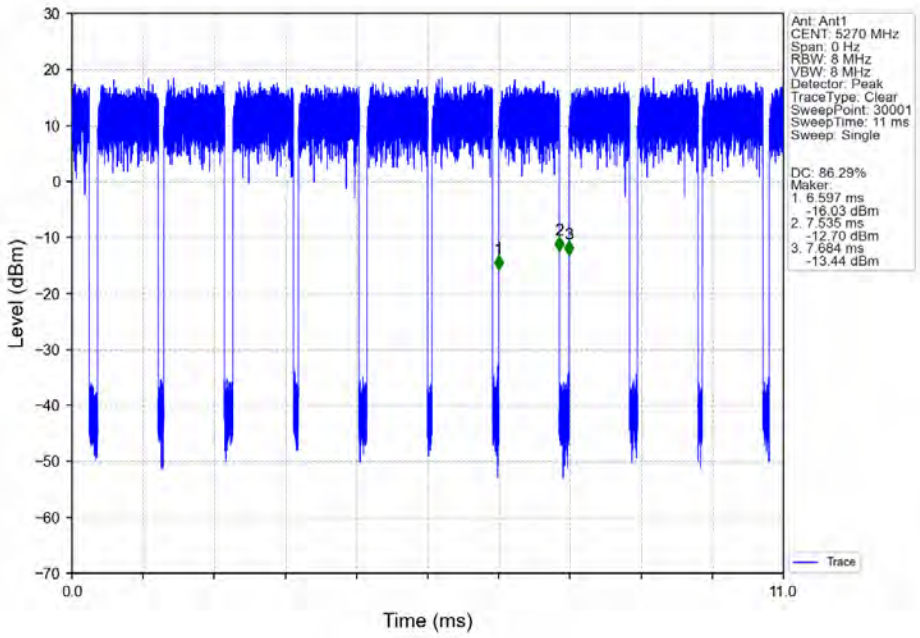
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



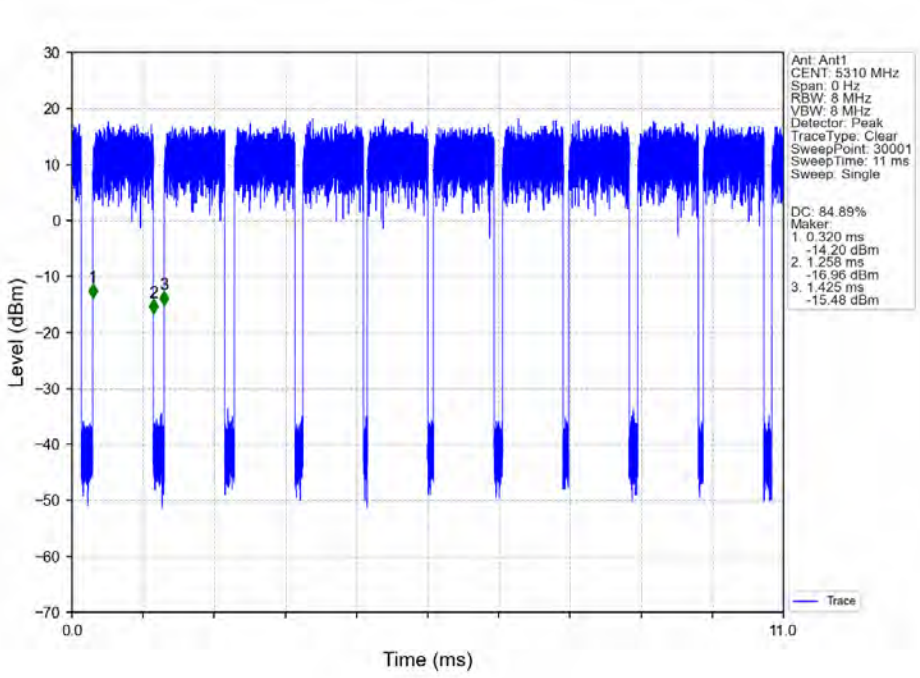
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



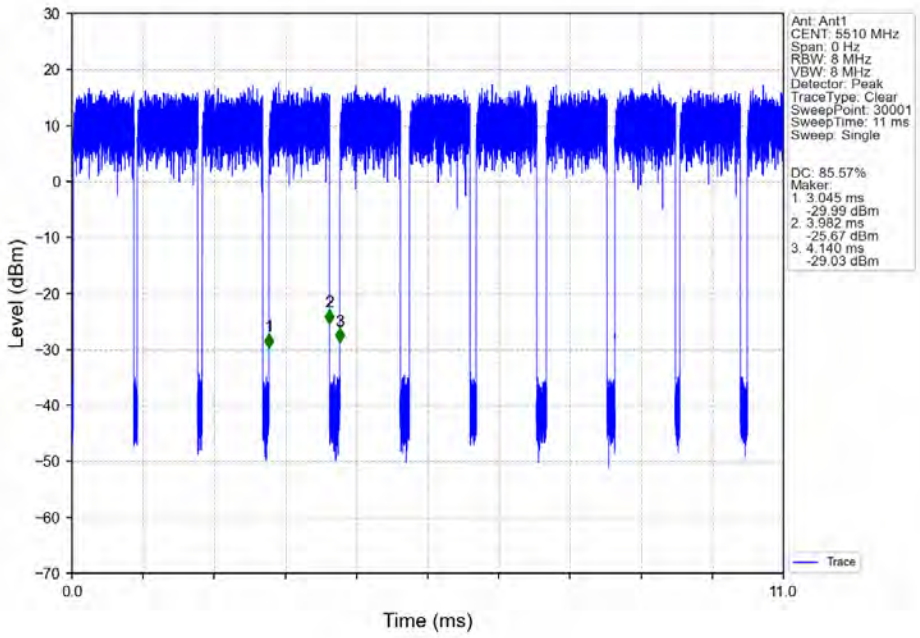
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



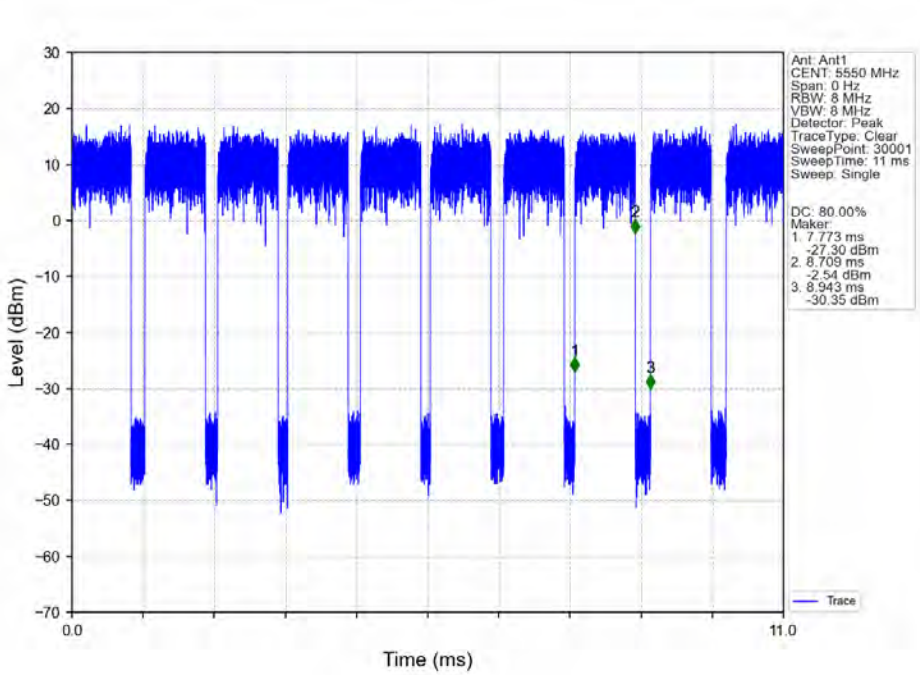
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



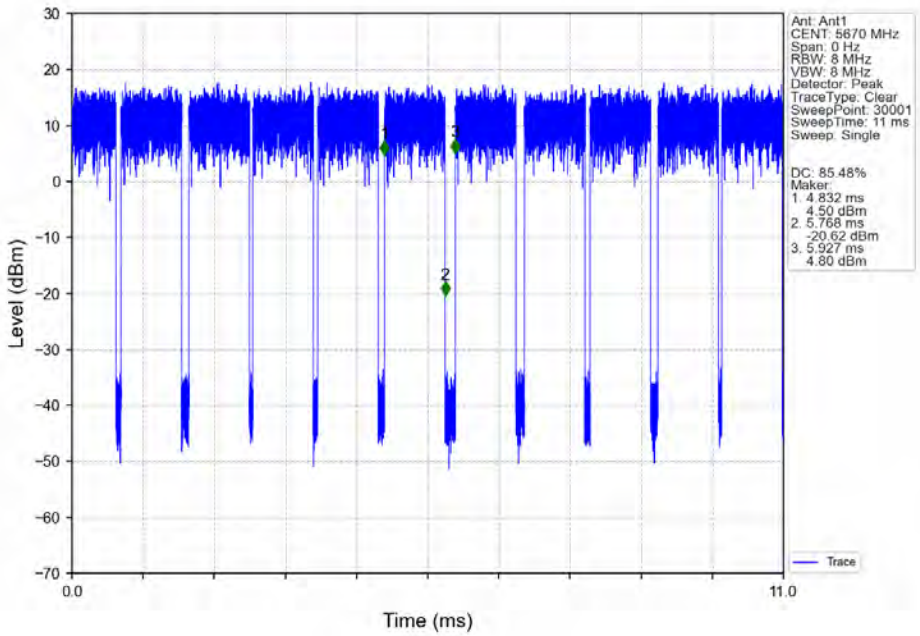
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



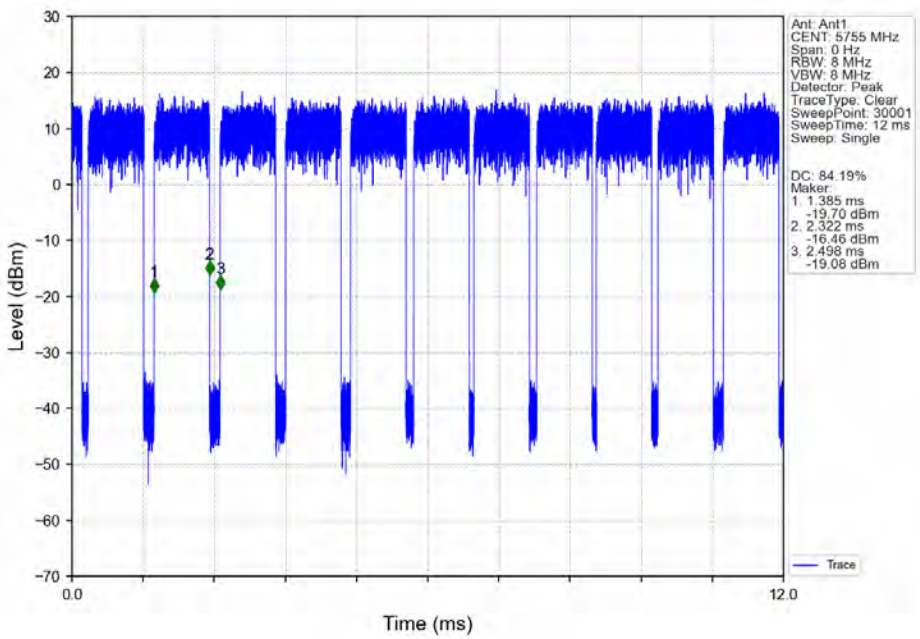
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



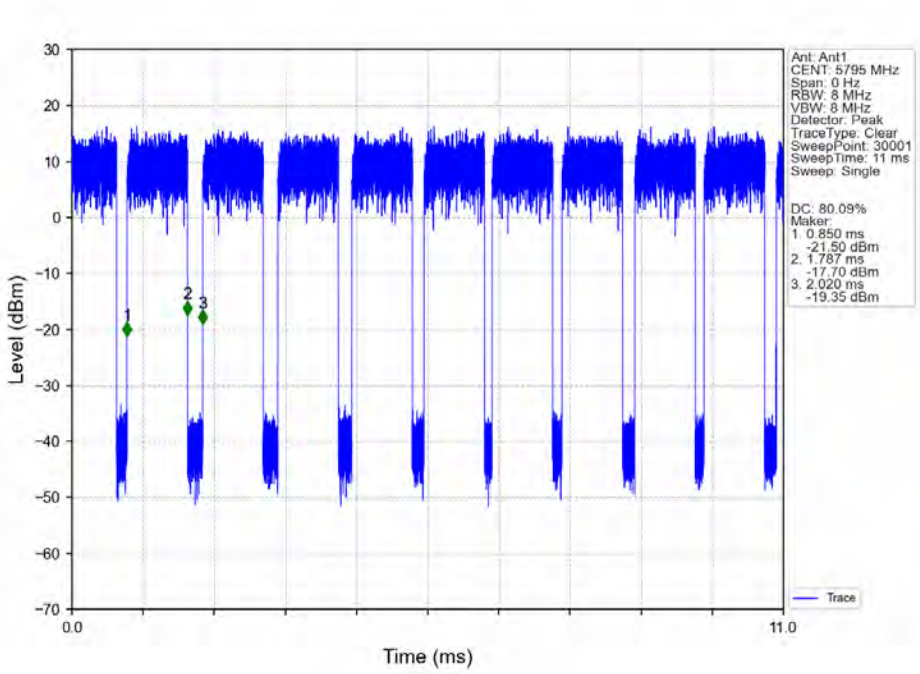
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



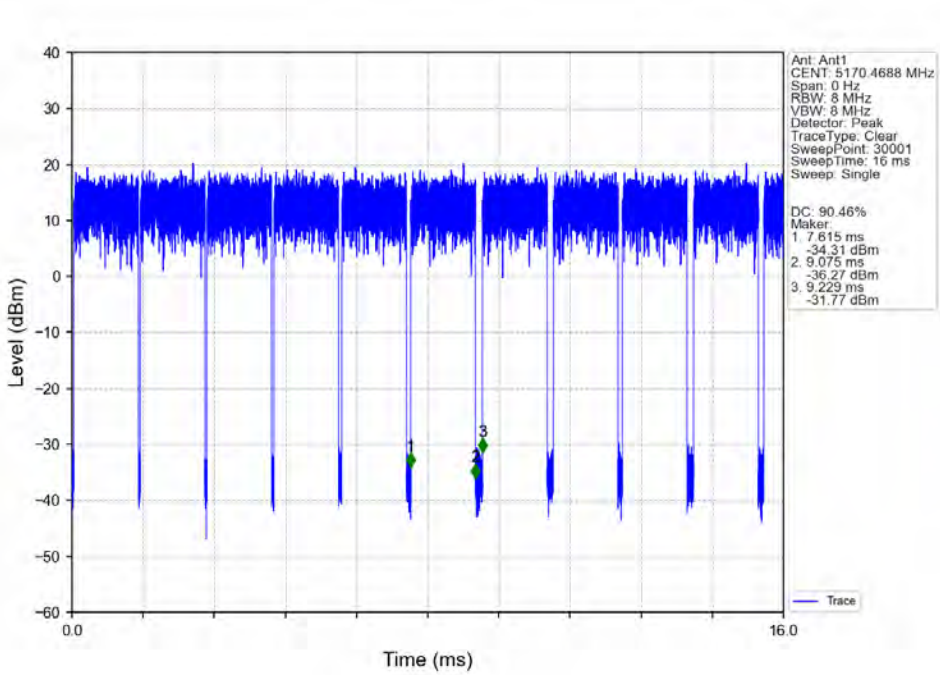
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



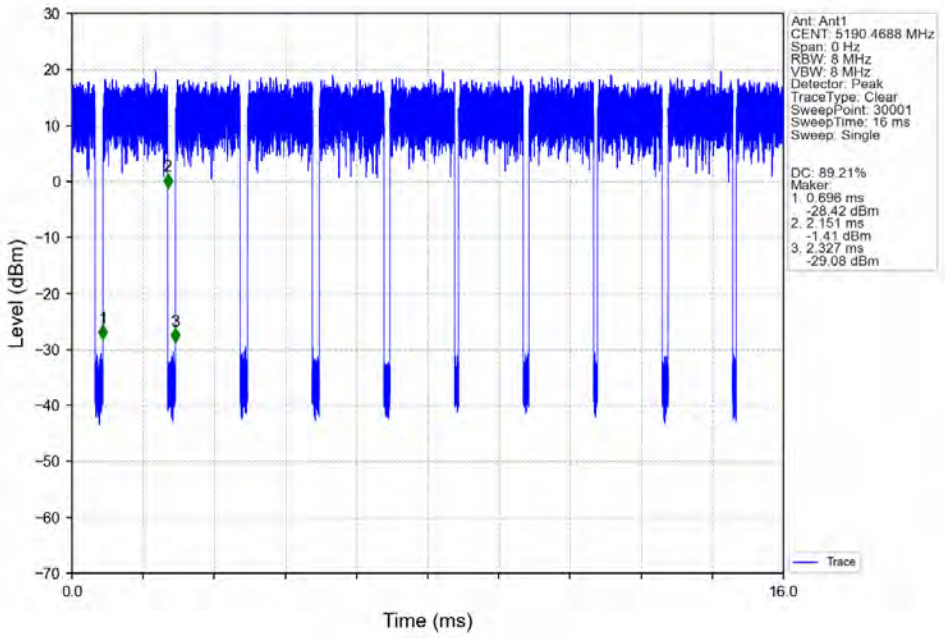
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



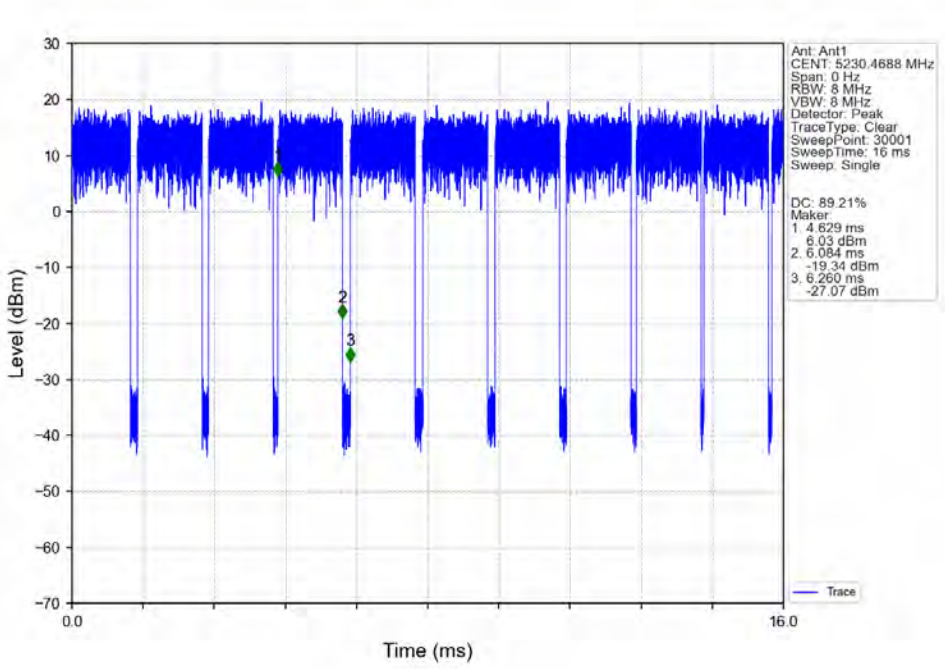
802.11ax(HE20)_LCH_5180MHz_SU_ / _Ant1_NTNV



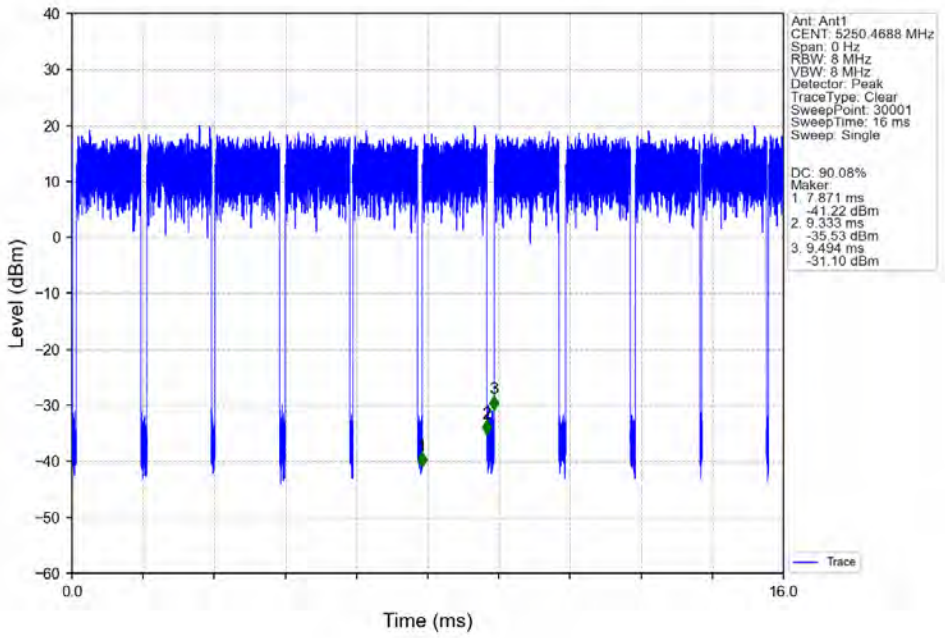
802.11ax(HE20)_MCH_5200MHz_SU_ / _Ant1_NTNV



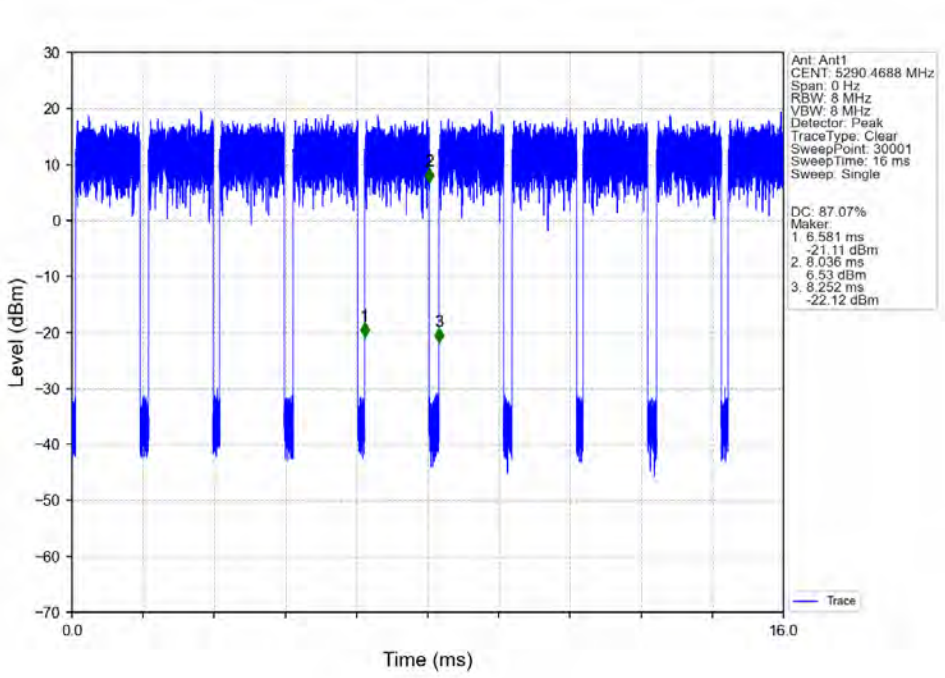
802.11ax(HE20)_HCH_5240MHz_SU_ / _Ant1_NTNV



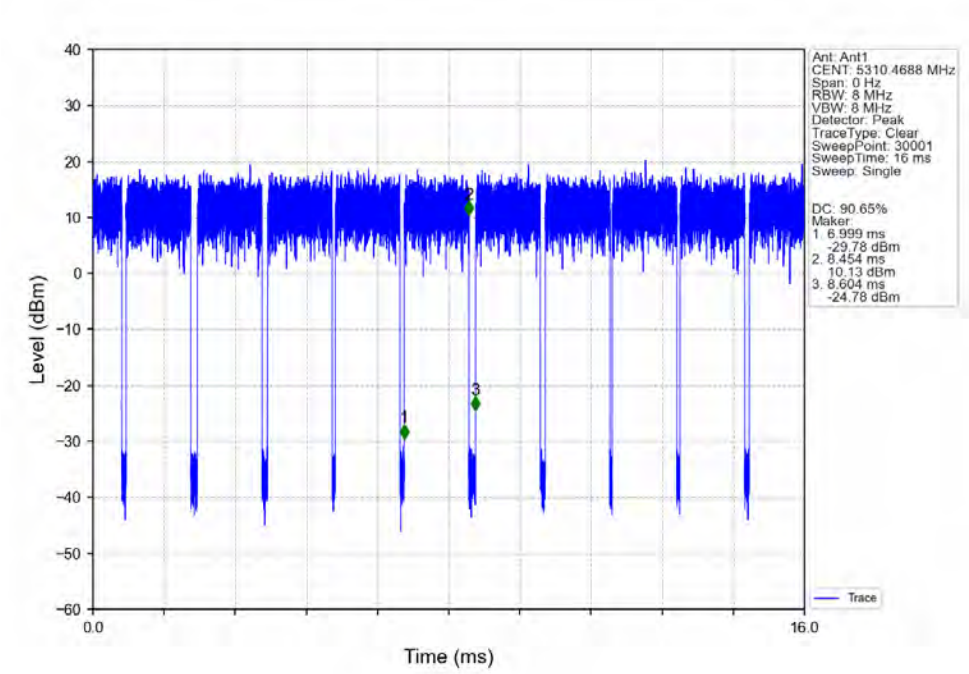
802.11ax(HE20)_LCH_5260MHz_SU_ / _Ant1_NTNV



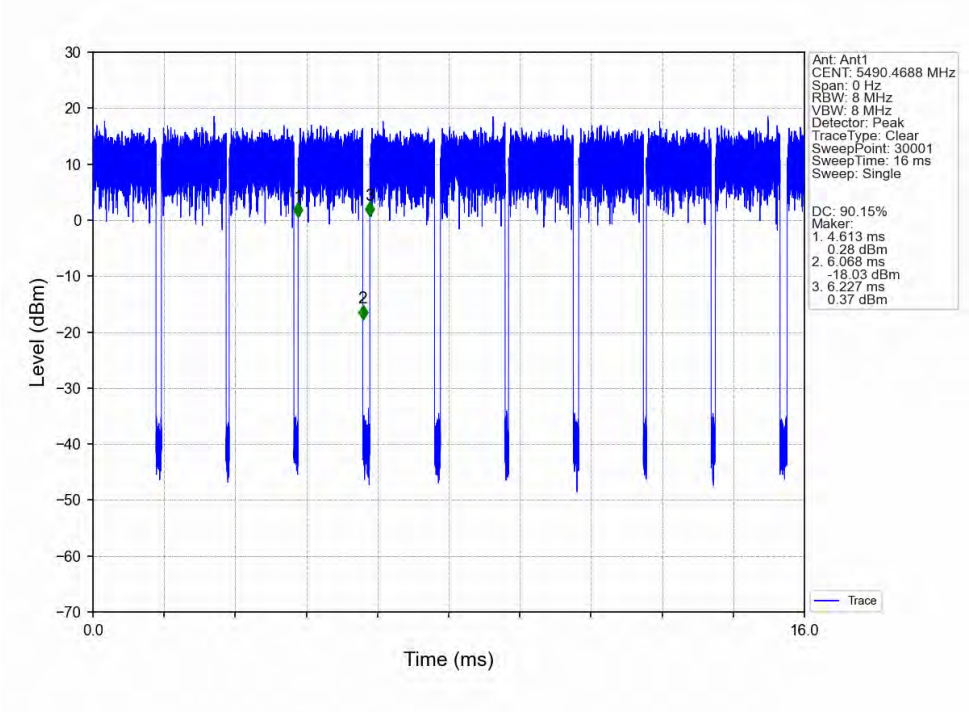
802.11ax(HE20)_MCH_5300MHz_SU_ / _Ant1_NTNV



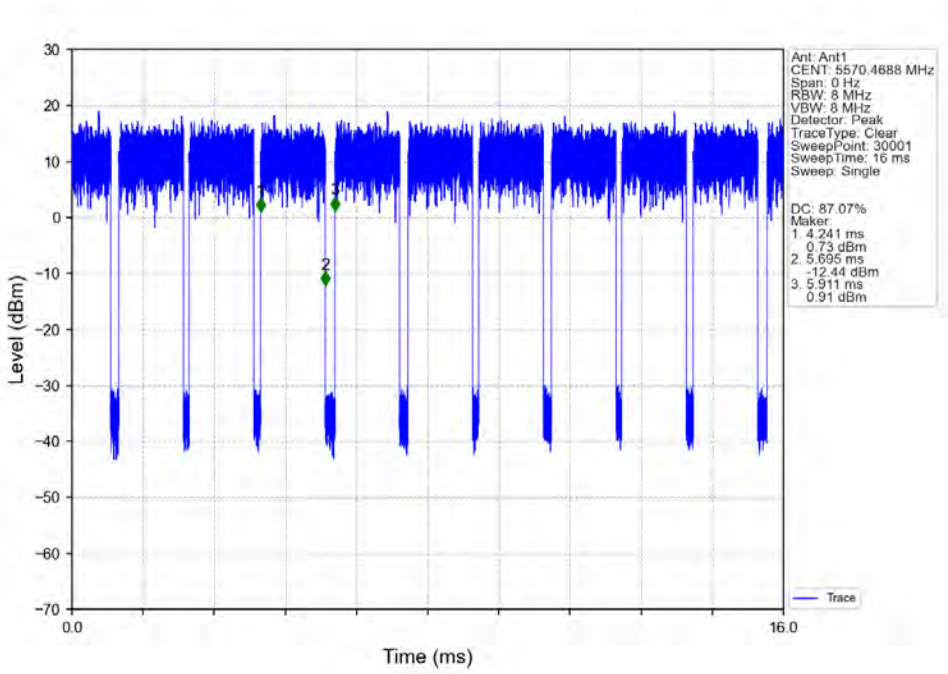
802.11ax(HE20)_HCH_5320MHz_SU_ / _Ant1_NTNV



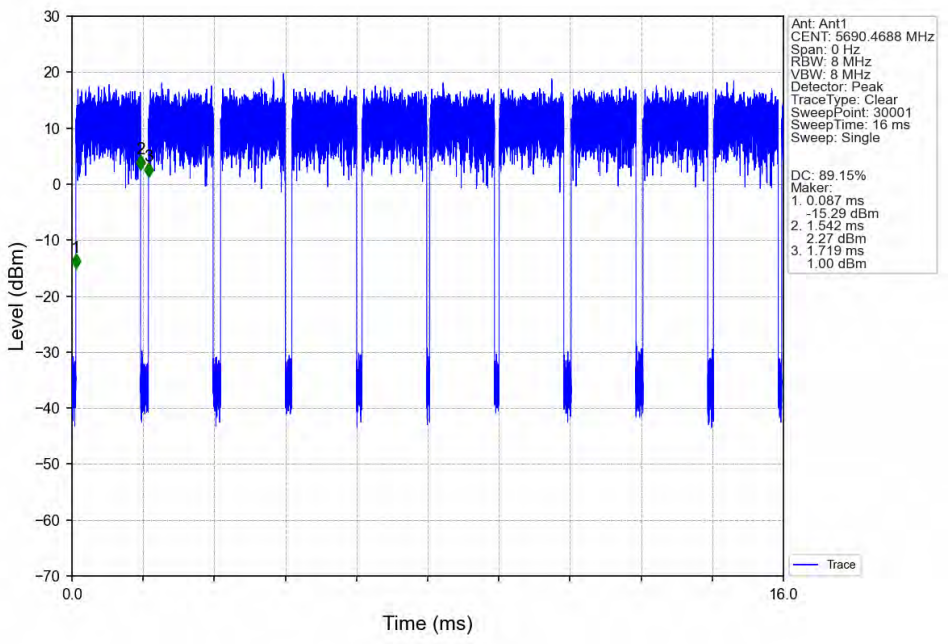
802.11ax(HE20)_LCH_5500MHz_SU_ / _Ant1_NTNV



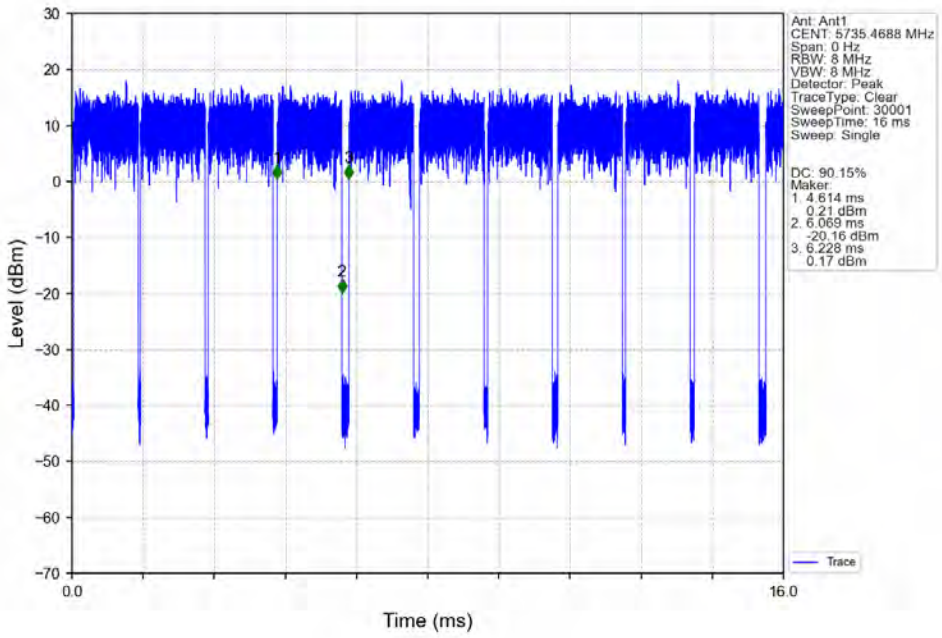
802.11ax(HE20)_MCH_5580MHz_SU_ / _Ant1_NTNV



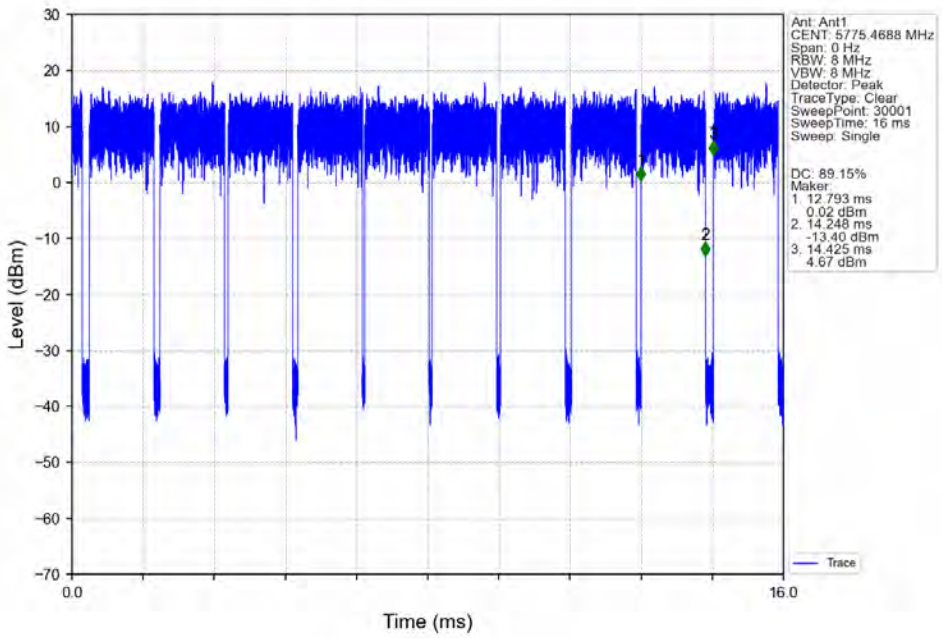
802.11ax(HE20)_HCH_5700MHz_SU_ / _Ant1_NTNV



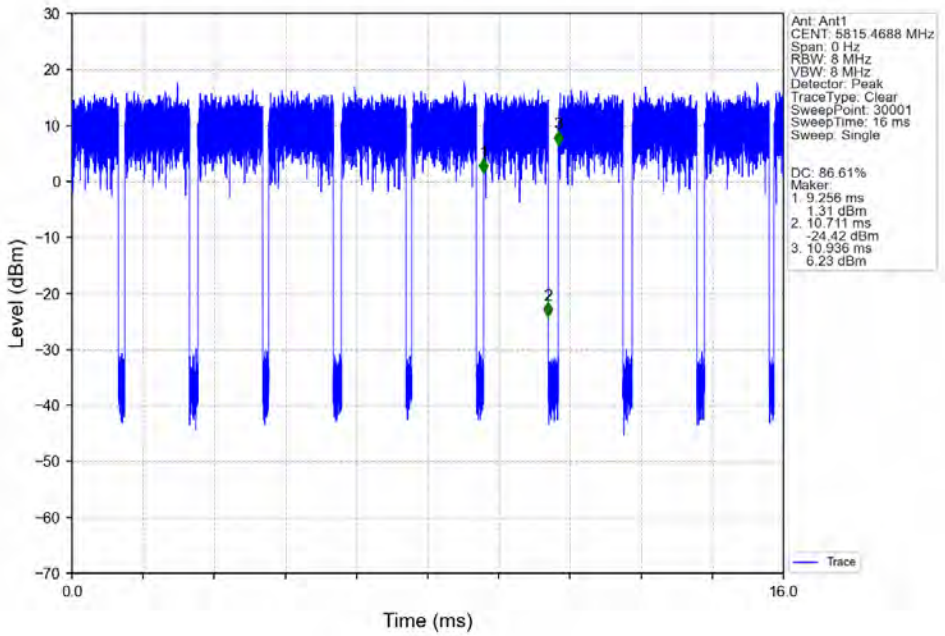
802.11ax(HE20)_LCH_5745MHz_SU_ / _Ant1_NTNV



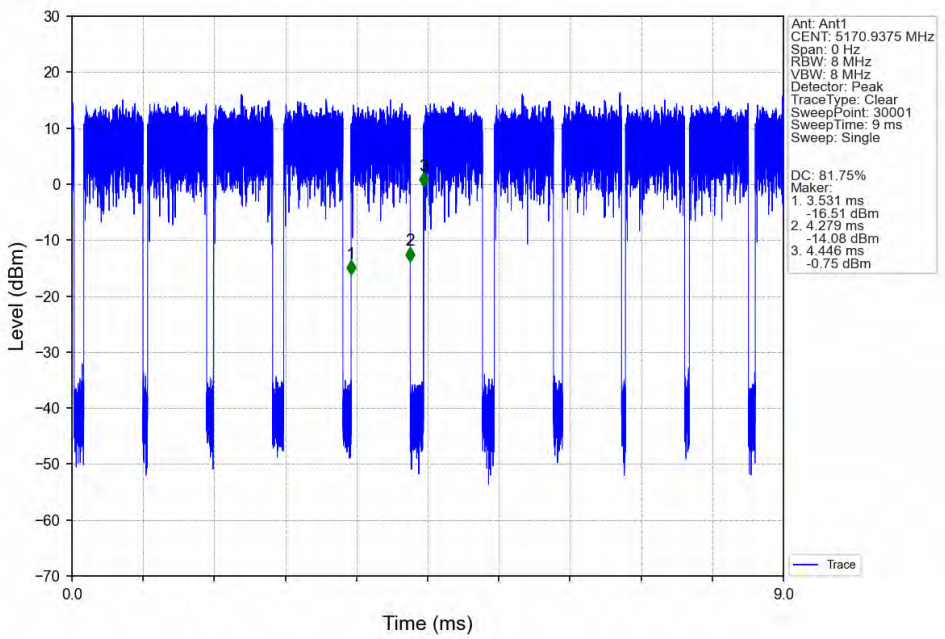
802.11ax(HE20)_MCH_5785MHz_SU_ / _Ant1_NTNV



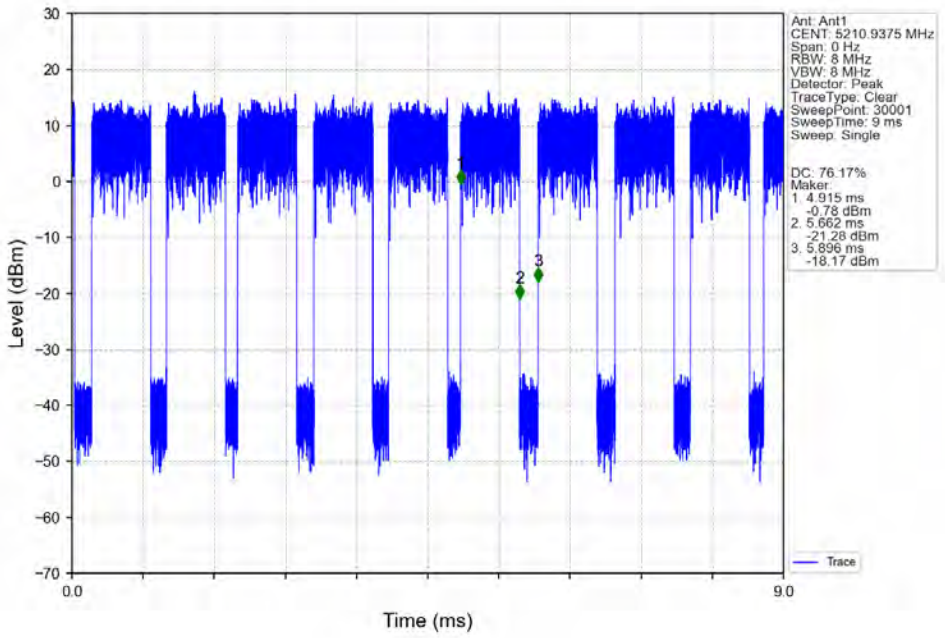
802.11ax(HE20)_HCH_5825MHz_SU_ / _Ant1_NTNV



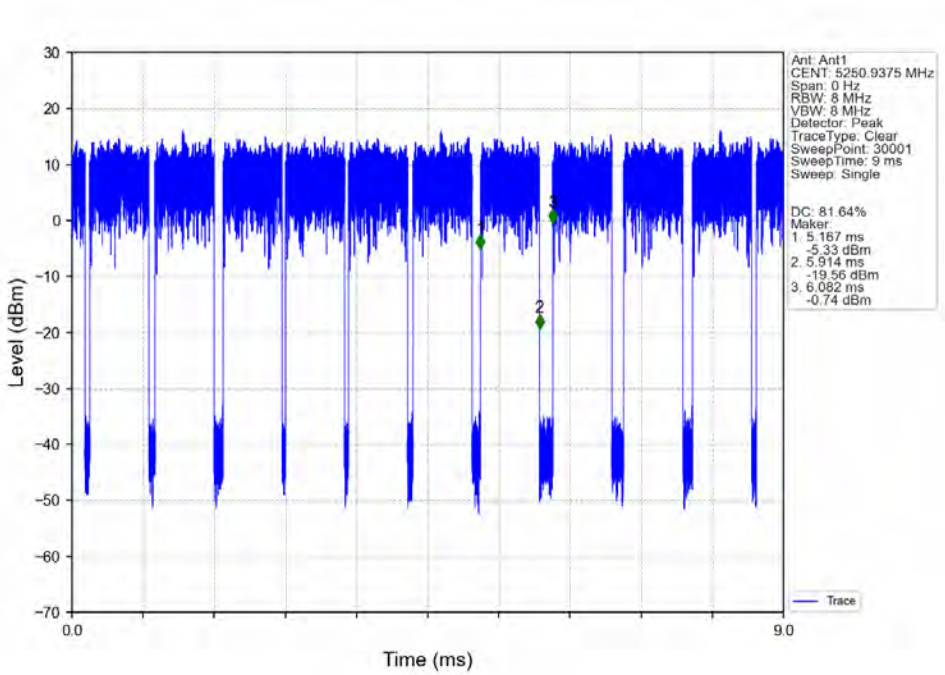
802.11ax(HE40)_LCH_5190MHz_SU_ / _Ant1_NTNV



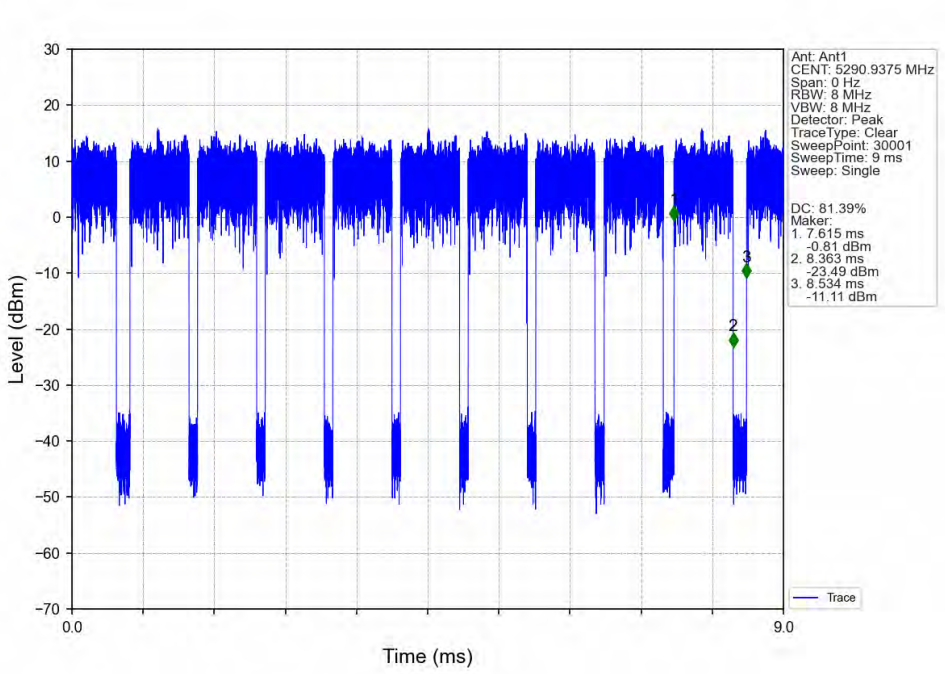
802.11ax(HE40)_HCH_5230MHz_SU_ / _Ant1_NTNV



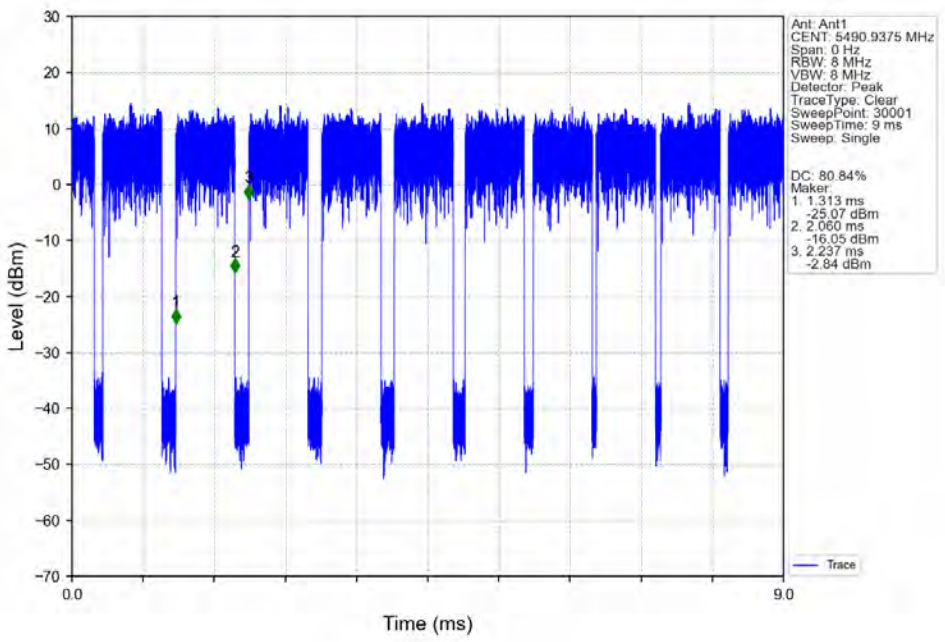
802.11ax(HE40)_LCH_5270MHz_SU_ / _Ant1_NTNV



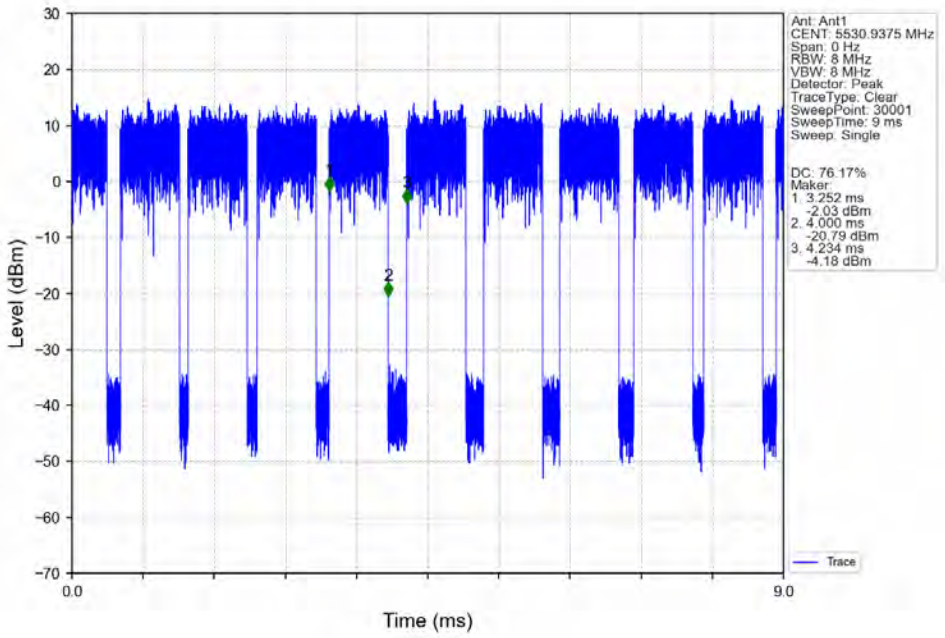
802.11ax(HE40)_HCH_5310MHz_SU_ / _Ant1_NTNV



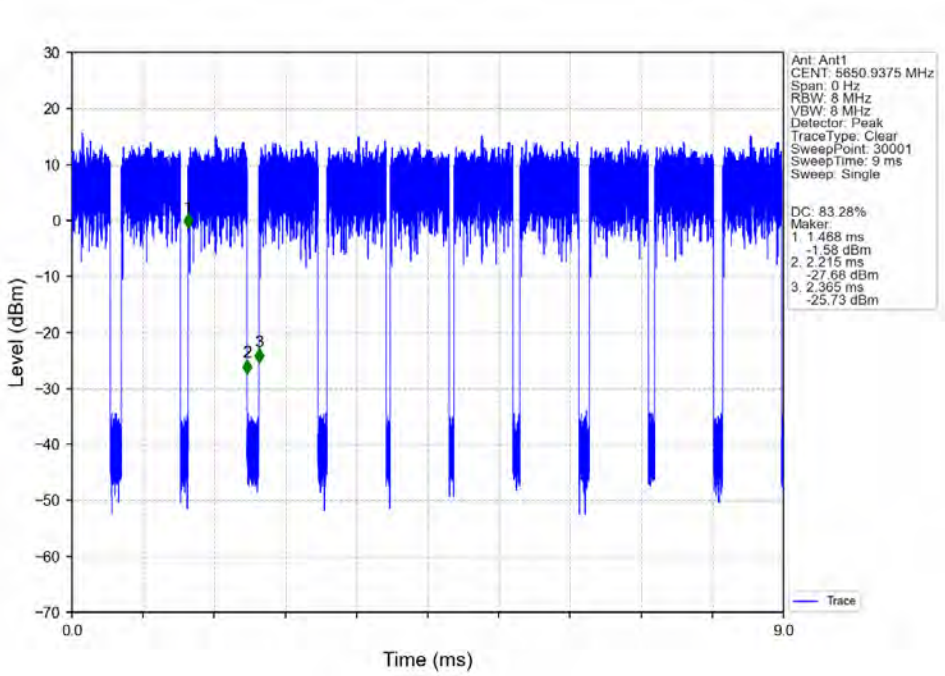
802.11ax(HE40)_LCH_5510MHz_SU_ / _Ant1_NTNV



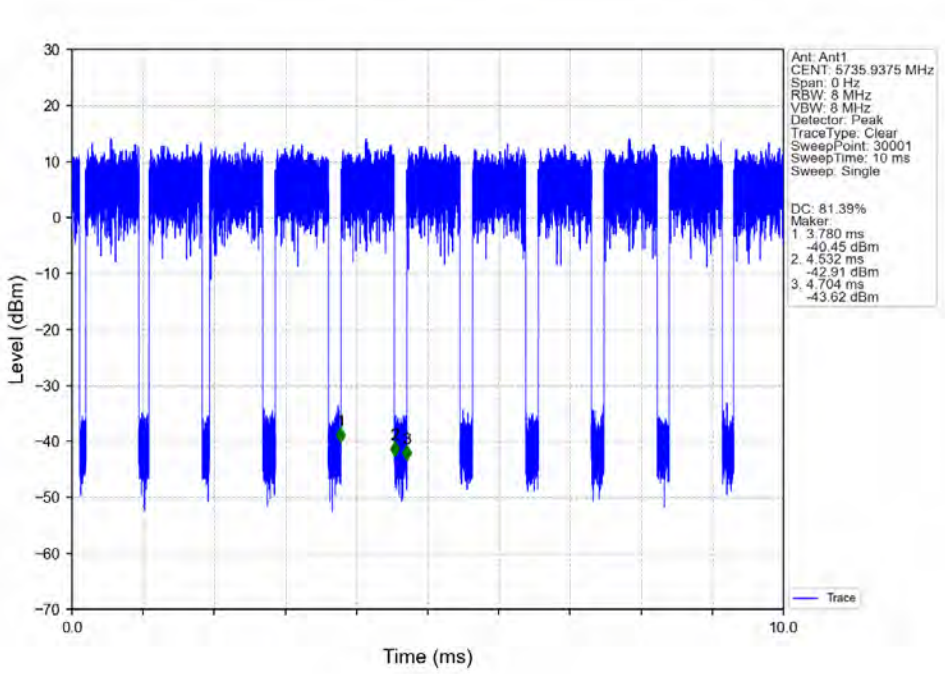
802.11ax(HE40)_MCH_5550MHz_SU_ / _Ant1_NTNV



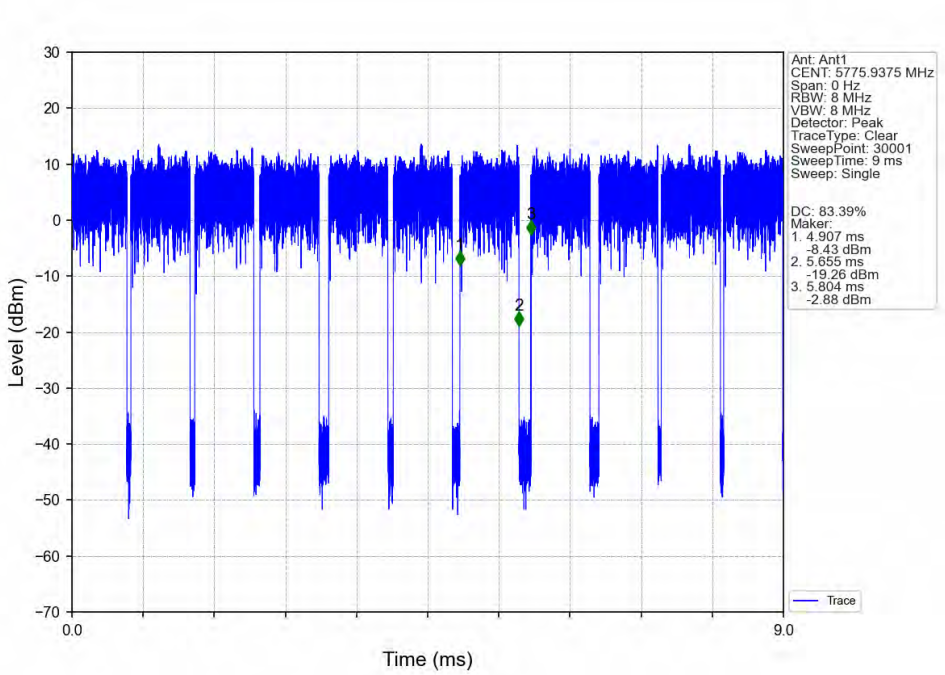
802.11ax(HE40)_HCH_5670MHz_SU_ / _Ant1_NTNV



802.11ax(HE40)_LCH_5755MHz_SU_ / _Ant1_NTNV



802.11ax(HE40)_HCH_5795MHz_SU_ / _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	18.704	/	Pass
		5200	/	/	1	18.744	/	Pass
		5240	/	/	1	18.678	/	Pass
		5260	/	/	1	18.632	/	Pass
		5300	/	/	1	18.638	/	Pass
		5320	/	/	1	18.592	/	Pass
		5500	/	/	1	18.518	/	Pass
		5580	/	/	1	18.564	/	Pass
		5700	/	/	1	18.654	/	Pass
		5745	/	/	1	18.770	/	Pass
		5785	/	/	1	18.721	/	Pass
		5825	/	/	1	18.641	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.662	/	Pass
		5200	/	/	1	19.677	/	Pass
		5240	/	/	1	19.625	/	Pass
		5260	/	/	1	19.616	/	Pass
		5300	/	/	1	19.595	/	Pass
		5320	/	/	1	19.585	/	Pass
		5500	/	/	1	19.653	/	Pass
		5580	/	/	1	19.646	/	Pass
		5700	/	/	1	19.693	/	Pass
		5745	/	/	1	19.784	/	Pass
		5785	/	/	1	19.636	/	Pass
		5825	/	/	1	19.709	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.845	/	Pass
		5230	/	/	1	37.616	/	Pass
		5270	/	/	1	37.916	/	Pass
		5310	/	/	1	37.694	/	Pass
		5510	/	/	1	37.994	/	Pass
		5550	/	/	1	37.894	/	Pass
		5670	/	/	1	38.010	/	Pass
		5755	/	/	1	37.876	/	Pass
		5795	/	/	1	37.885	/	Pass
802.11ax (HE20)	SISO	5180	SU	/	1	19.864	/	Pass
		5200	SU	/	1	20.025	/	Pass
		5240	SU	/	1	19.976	/	Pass
		5260	SU	/	1	19.976	/	Pass
		5300	SU	/	1	20.003	/	Pass
		5320	SU	/	1	20.088	/	Pass
		5500	SU	/	1	20.032	/	Pass

		5580	SU	/	1	20.157	/	Pass
		5700	SU	/	1	20.022	/	Pass
		5745	SU	/	1	19.943	/	Pass
		5785	SU	/	1	19.939	/	Pass
		5825	SU	/	1	20.061	/	Pass
802.11ax (HE40)	SISO	5190	SU	/	1	38.877	/	Pass
		5230	SU	/	1	38.693	/	Pass
		5270	SU	/	1	38.699	/	Pass
		5310	SU	/	1	38.775	/	Pass
		5510	SU	/	1	38.722	/	Pass
		5550	SU	/	1	38.809	/	Pass
		5670	SU	/	1	38.800	/	Pass
		5755	SU	/	1	38.794	/	Pass
		5795	SU	/	1	38.799	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.985	/	Pass
		5200	/	/	1	27.142	/	Pass
		5240	/	/	1	26.178	/	Pass
		5260	/	/	1	26.685	/	Pass
		5300	/	/	1	26.876	/	Pass
		5320	/	/	1	26.443	/	Pass
		5500	/	/	1	26.054	/	Pass
		5580	/	/	1	26.070	/	Pass
		5700	/	/	1	26.761	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	27.363	/	Pass
		5200	/	/	1	27.347	/	Pass
		5240	/	/	1	27.634	/	Pass
		5260	/	/	1	26.756	/	Pass
		5300	/	/	1	29.237	/	Pass
		5320	/	/	1	27.671	/	Pass
		5500	/	/	1	28.687	/	Pass
		5580	/	/	1	26.527	/	Pass
		5700	/	/	1	29.567	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	50.476	/	Pass
		5230	/	/	1	54.261	/	Pass
		5270	/	/	1	52.968	/	Pass
		5310	/	/	1	50.630	/	Pass
		5510	/	/	1	51.023	/	Pass
		5550	/	/	1	51.176	/	Pass
		5670	/	/	1	51.560	/	Pass
802.11ax (HE20)	SISO	5180	SU	/	1	26.474	/	Pass
		5200	SU	/	1	27.094	/	Pass
		5240	SU	/	1	25.609	/	Pass
		5260	SU	/	1	27.079	/	Pass
		5300	SU	/	1	28.477	/	Pass
		5320	SU	/	1	25.261	/	Pass

		5500	SU	/	1	25.935	/	Pass
		5580	SU	/	1	26.369	/	Pass
		5700	SU	/	1	26.715	/	Pass
802.11ax (HE40)	SISO	5190	SU	/	1	47.175	/	Pass
		5230	SU	/	1	48.220	/	Pass
		5270	SU	/	1	47.075	/	Pass
		5310	SU	/	1	46.520	/	Pass
		5510	SU	/	1	47.358	/	Pass
		5550	SU	/	1	47.162	/	Pass
		5670	SU	/	1	46.104	/	Pass

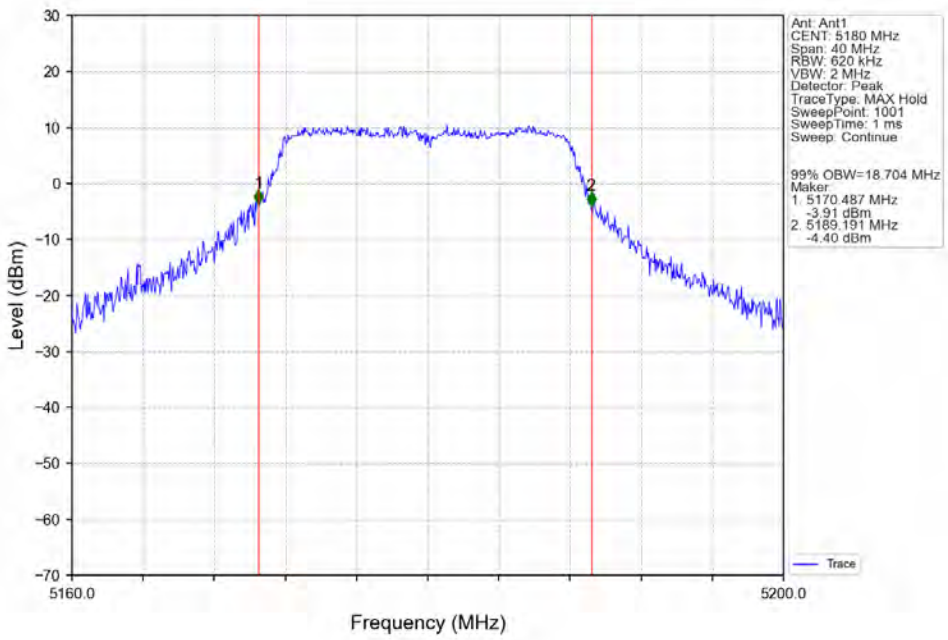
2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.397	>=0.5	Pass
		5785	/	/	1	16.406	>=0.5	Pass
		5825	/	/	1	16.427	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.611	>=0.5	Pass
		5785	/	/	1	17.642	>=0.5	Pass
		5825	/	/	1	17.637	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.384	>=0.5	Pass
		5795	/	/	1	36.381	>=0.5	Pass
802.11ax (HE20)	SISO	5745	SU	/	1	18.967	>=0.5	Pass
		5785	SU	/	1	18.993	>=0.5	Pass
		5825	SU	/	1	19.048	>=0.5	Pass
802.11ax (HE40)	SISO	5755	SU	/	1	38.058	>=0.5	Pass
		5795	SU	/	1	38.048	>=0.5	Pass

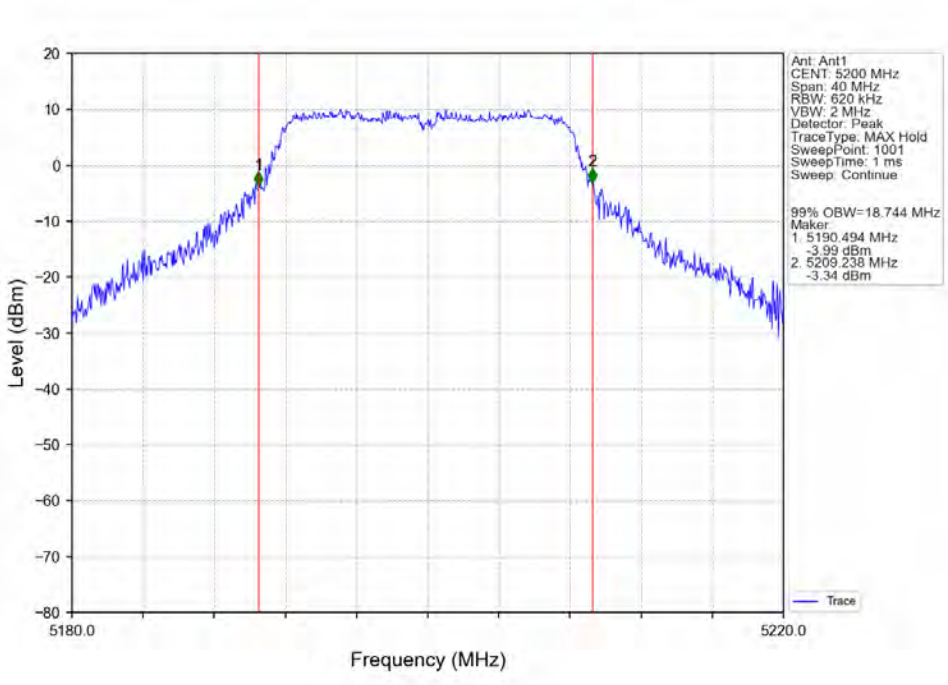
2.2 Test Graph

2.2.1 OBW

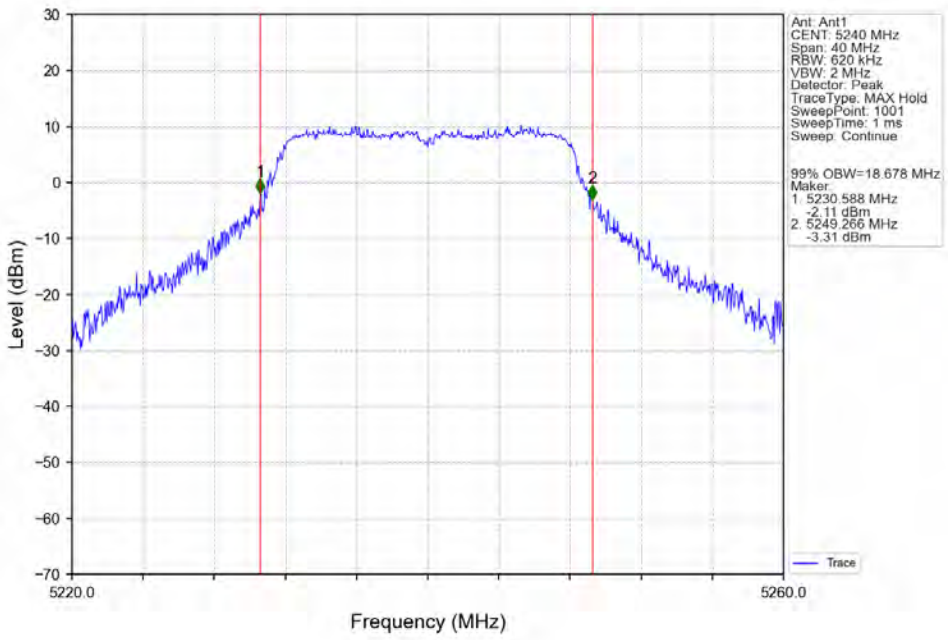
802.11a_LCH_5180MHz_Ant1_NTNV



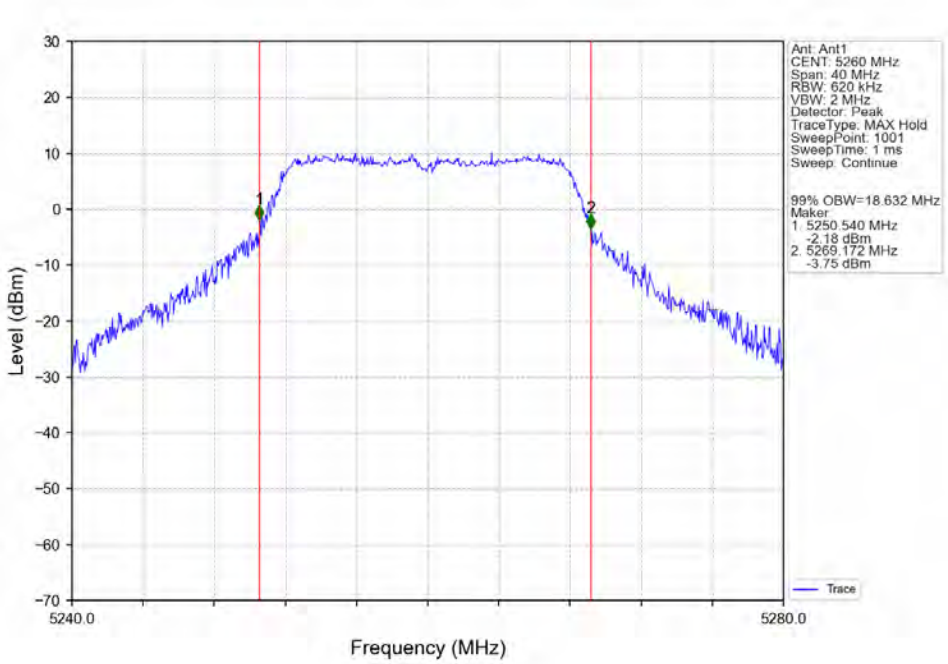
802.11a_MCH_5200MHz_Ant1_NTNV



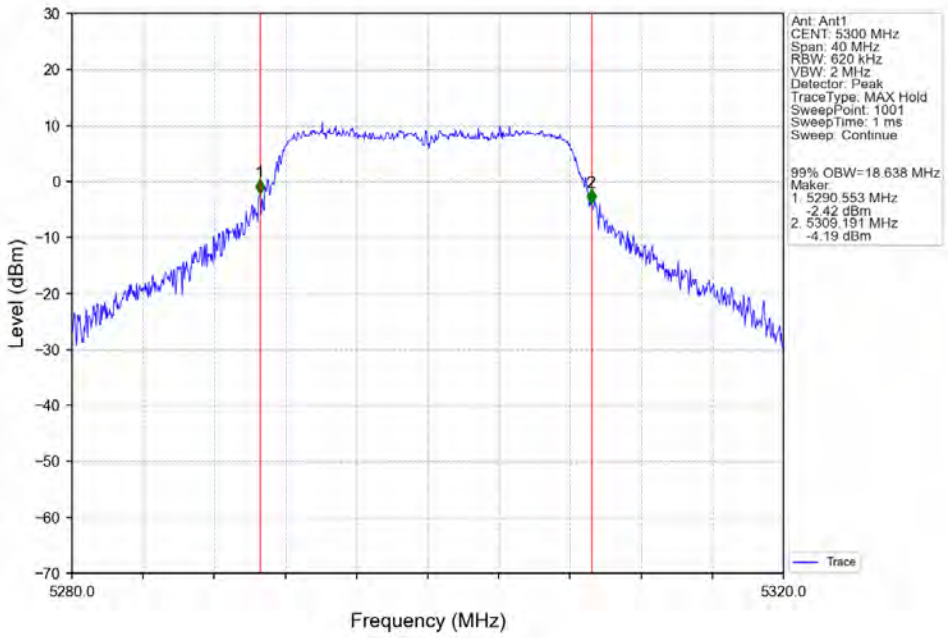
802.11a_HCH_5240MHz_Ant1_NTNV



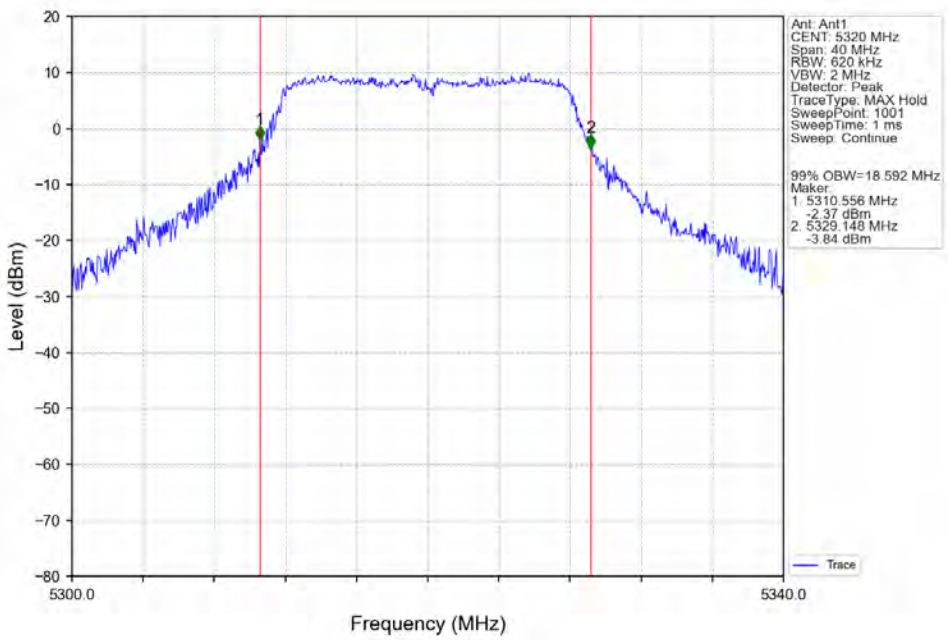
802.11a_LCH_5260MHz_Ant1_NTNV



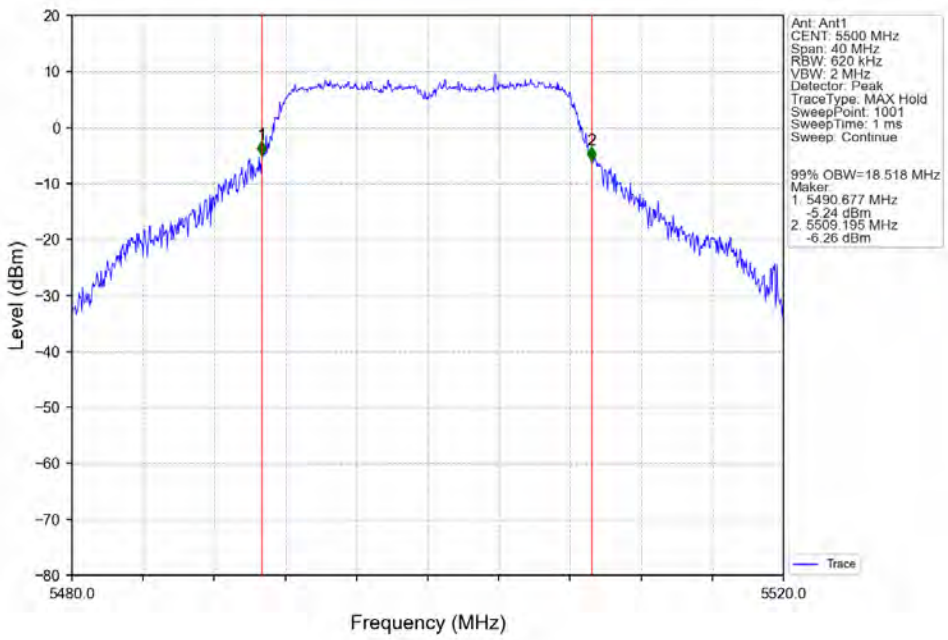
802.11a_MCH_5300MHz_Ant1_NTNV



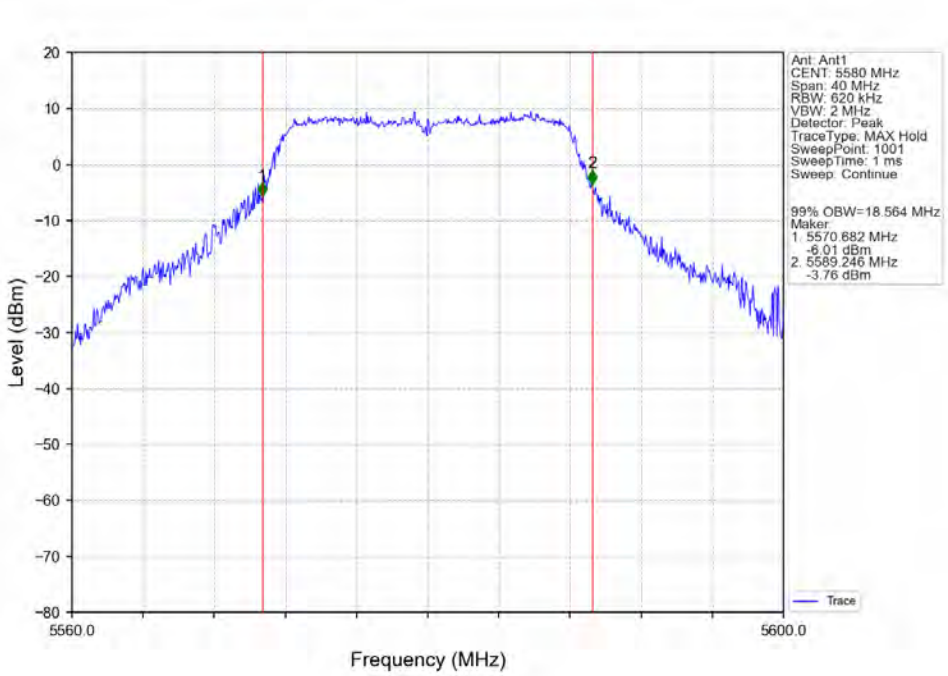
802.11a_HCH_5320MHz_Ant1_NTNV



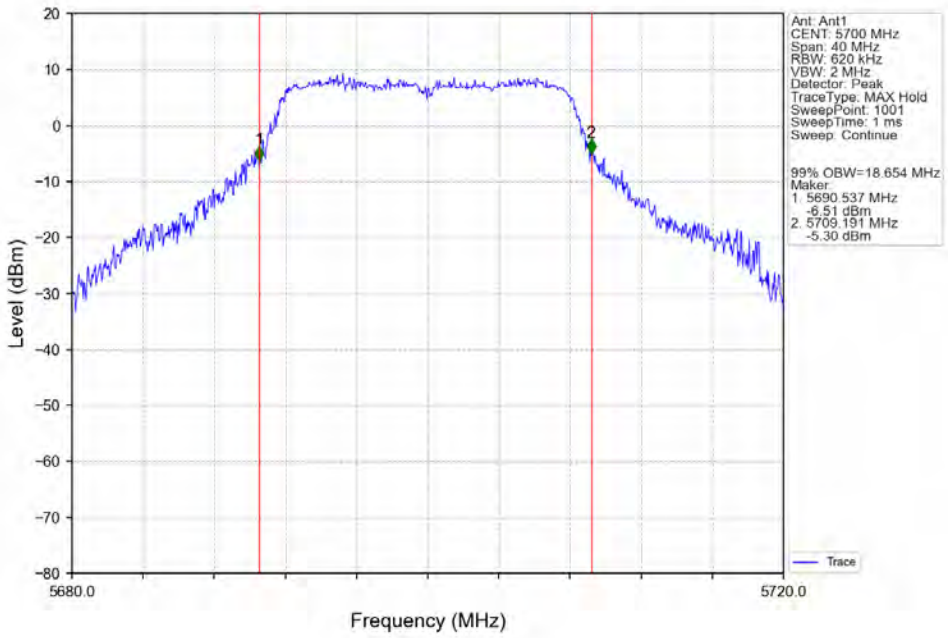
802.11a_LCH_5500MHz_Ant1_NTNV



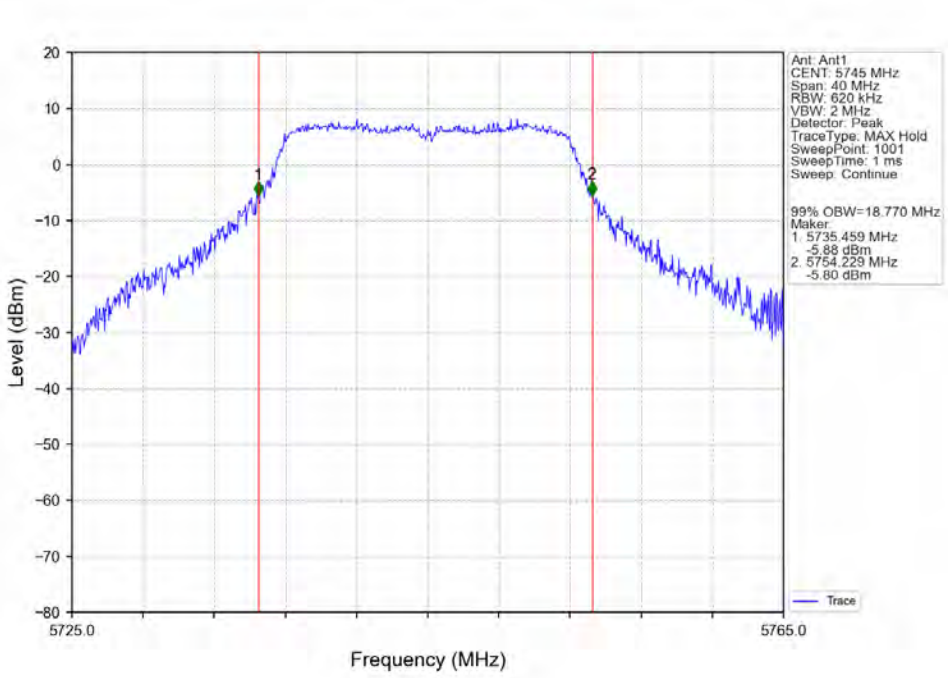
802.11a_MCH_5580MHz_Ant1_NTNV



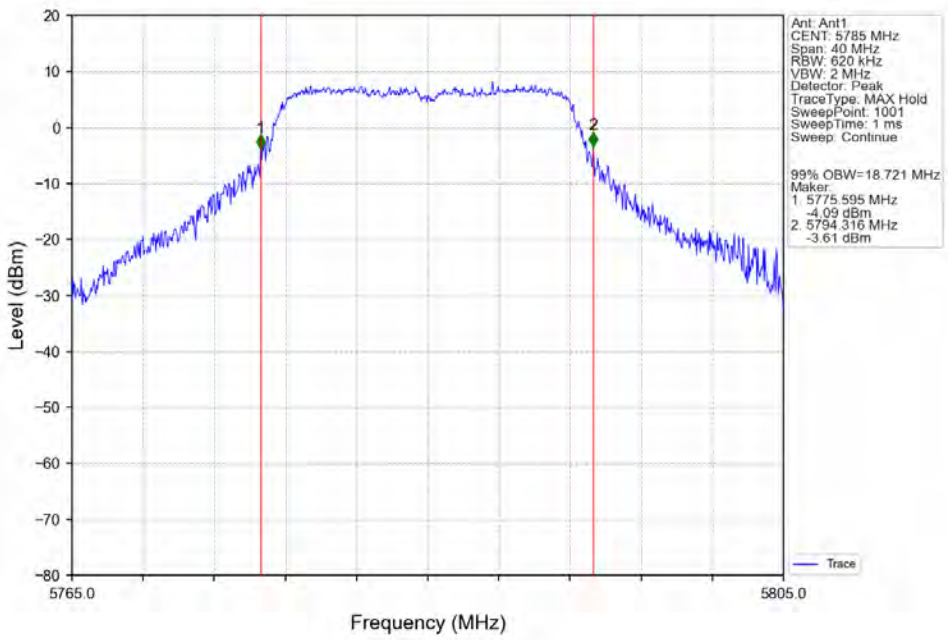
802.11a_HCH_5700MHz_Ant1_NTNV



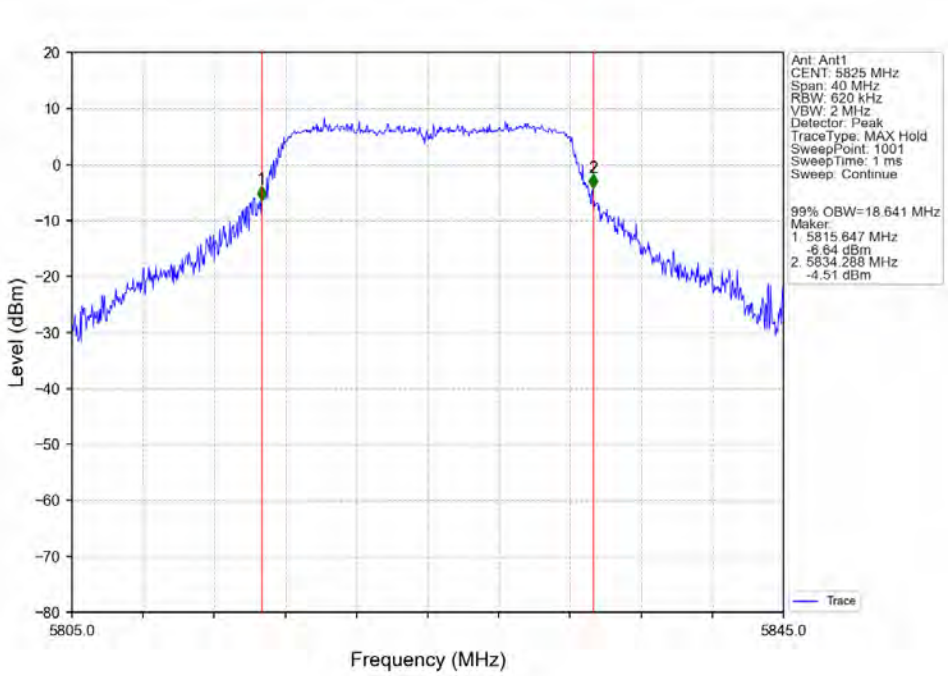
802.11a_LCH_5745MHz_Ant1_NTNV



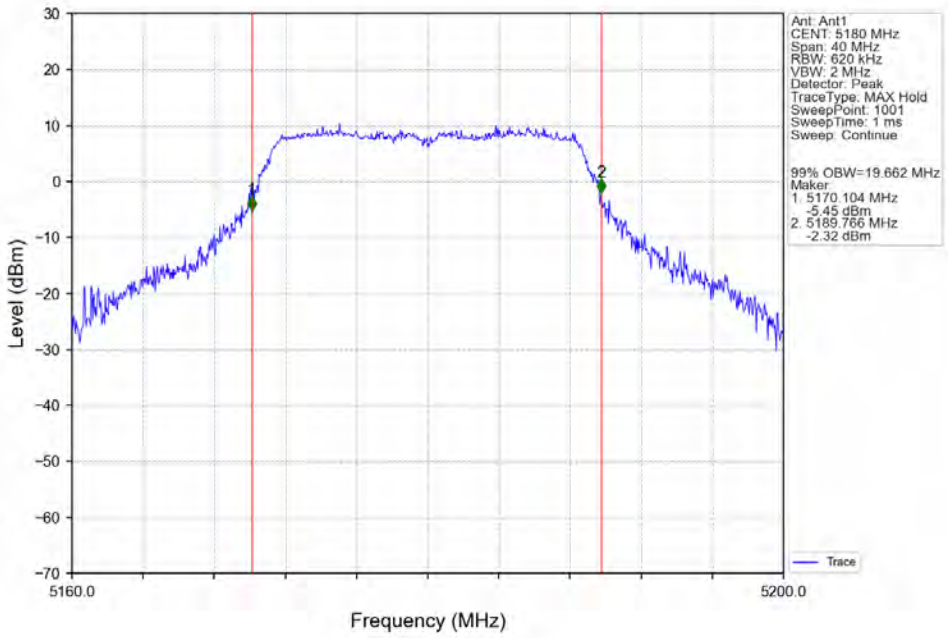
802.11a_MCH_5785MHz_Ant1_NTNV



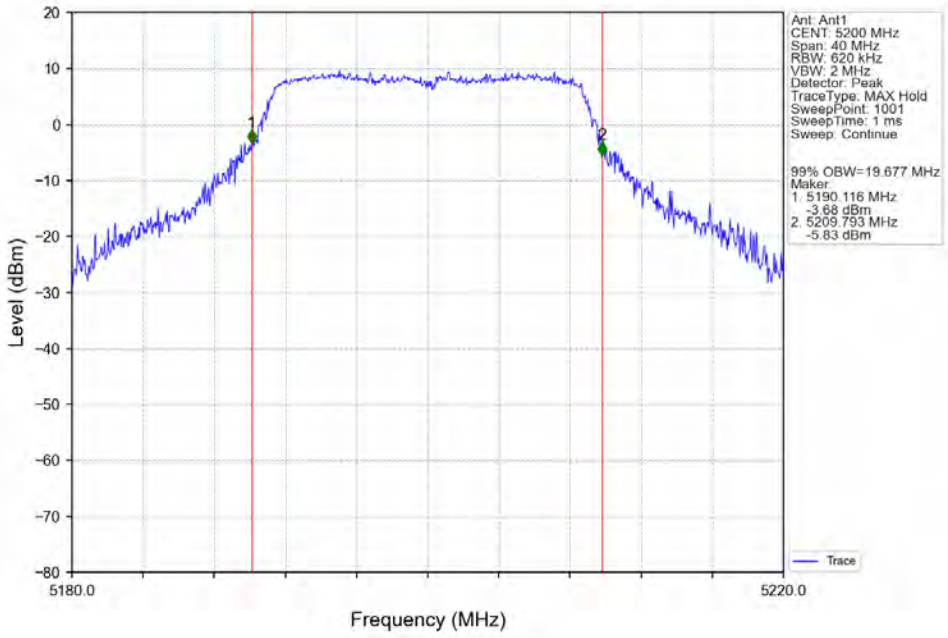
802.11a_HCH_5825MHz_Ant1_NTNV



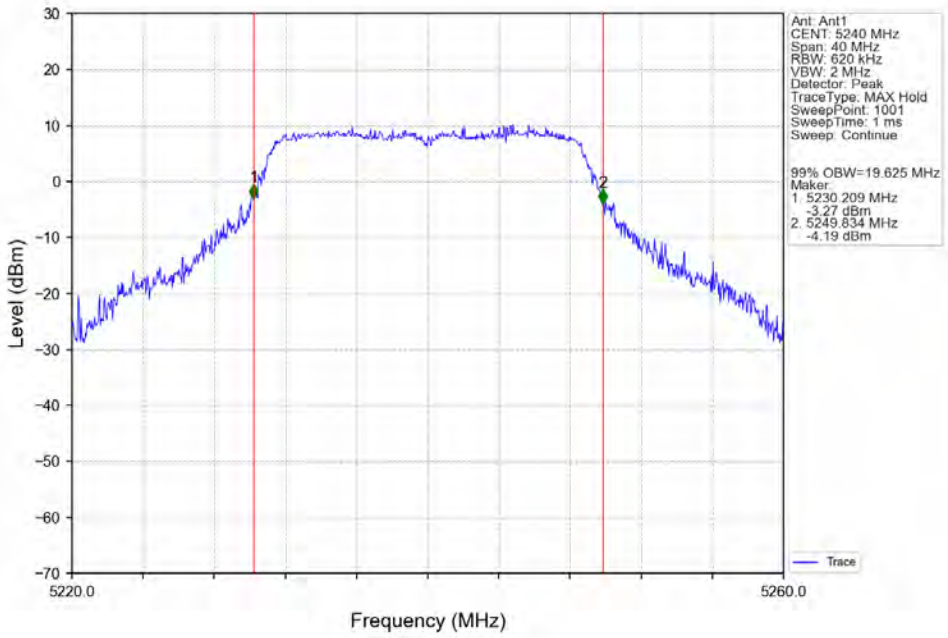
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



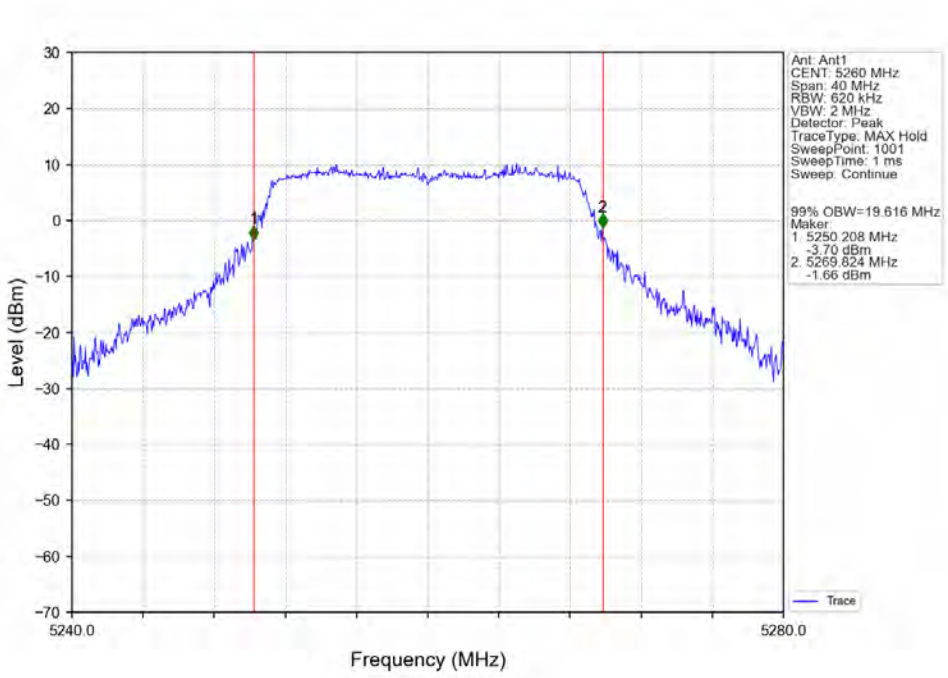
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



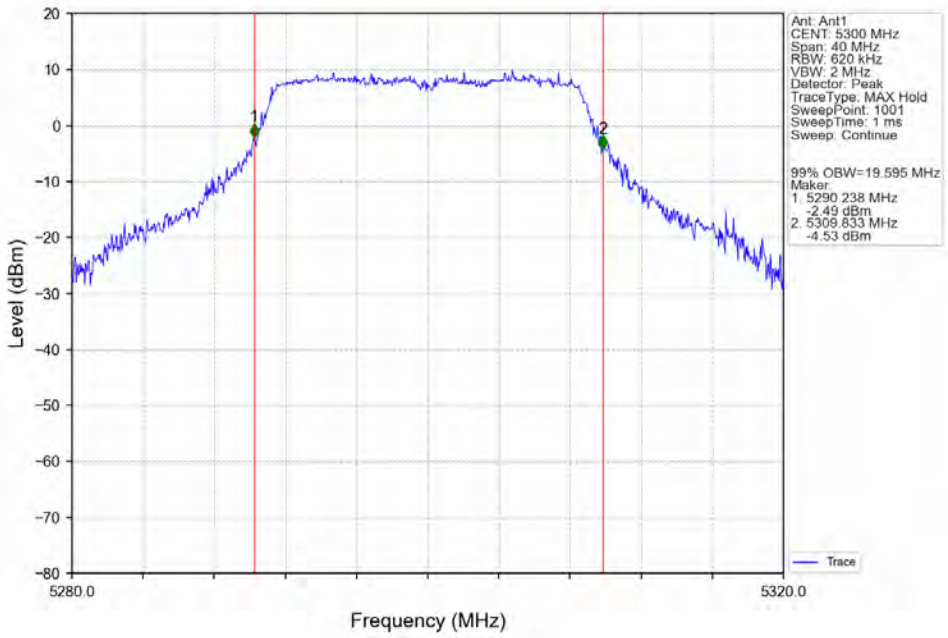
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



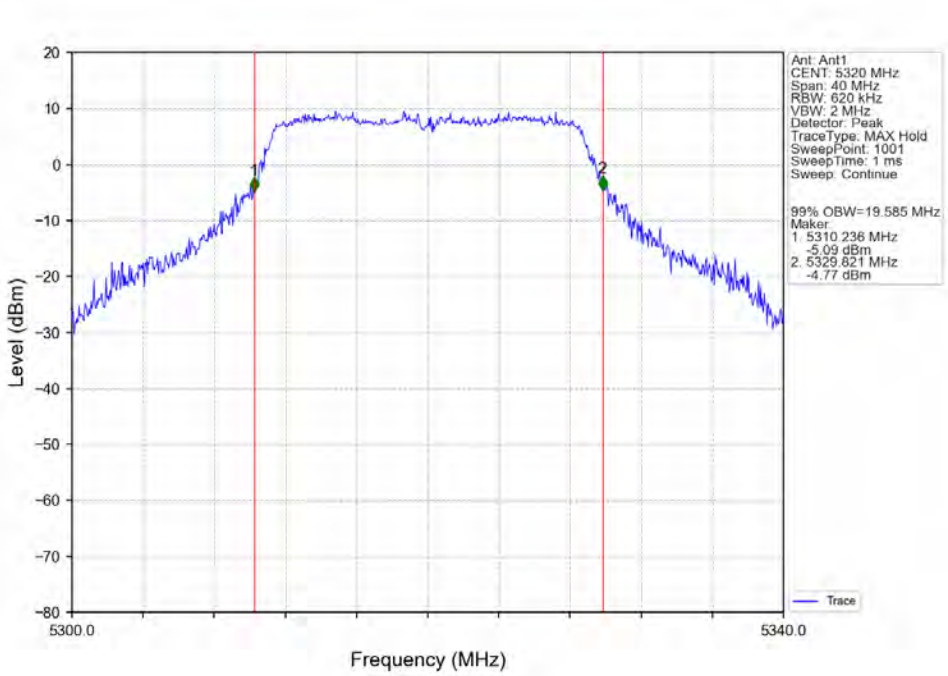
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



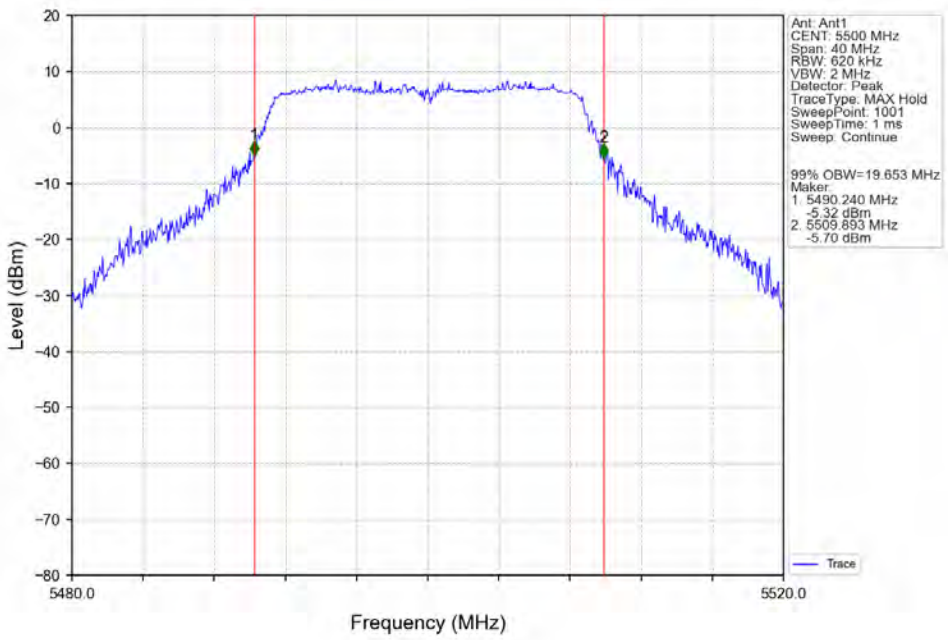
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



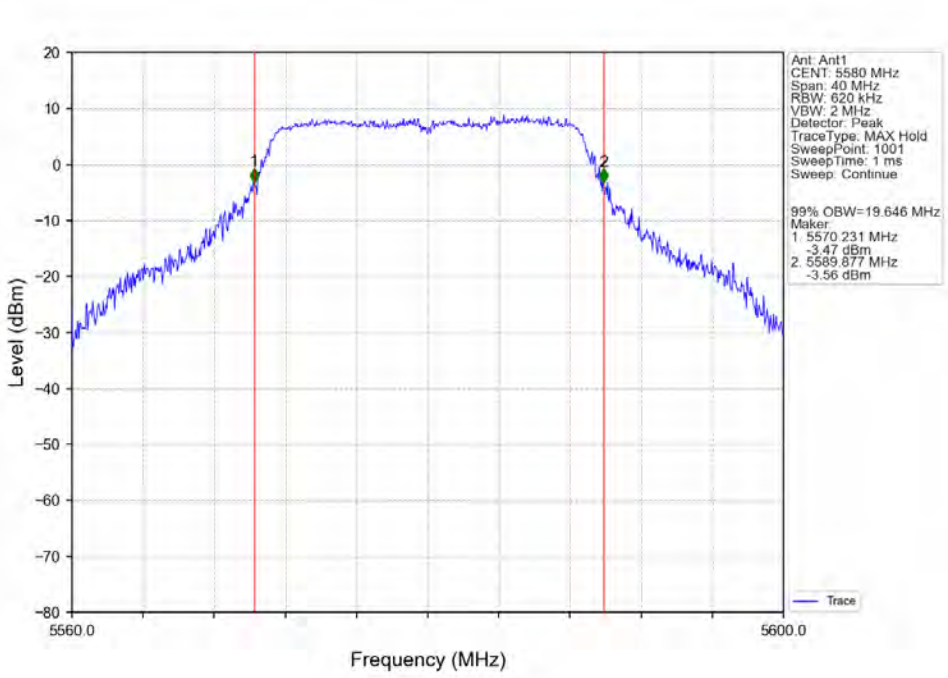
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



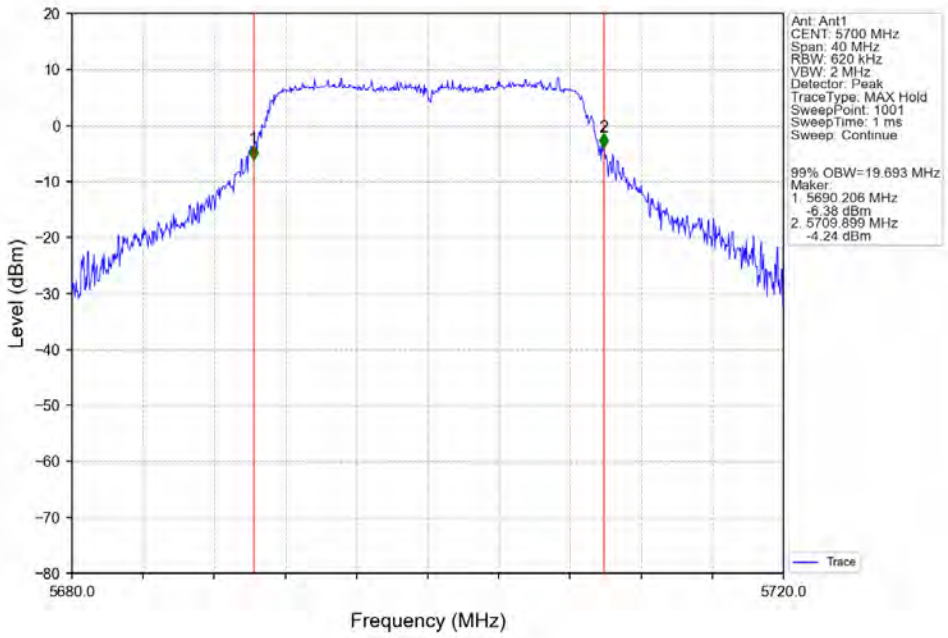
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



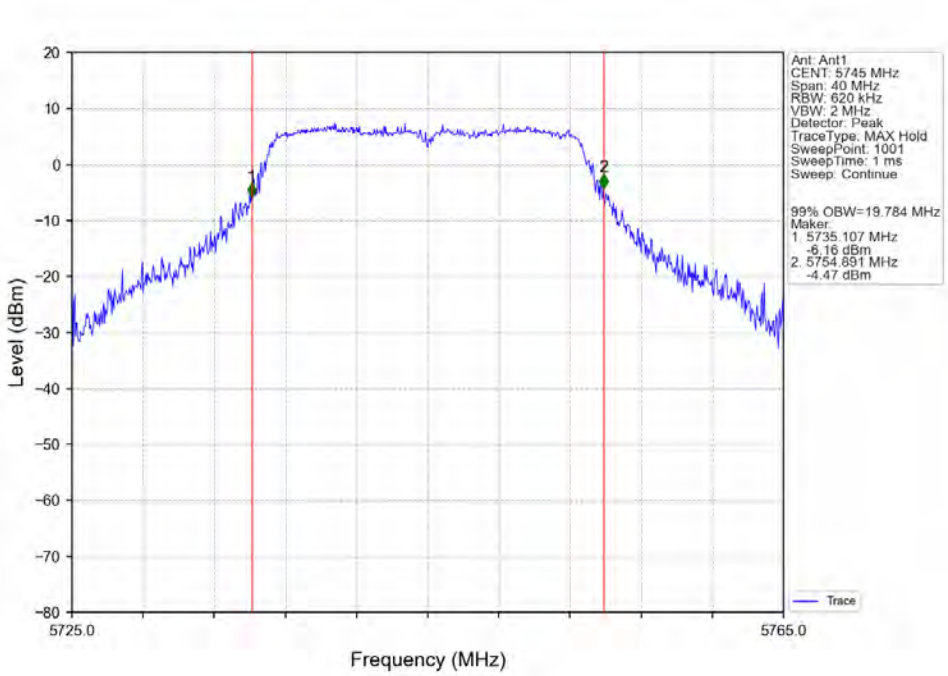
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



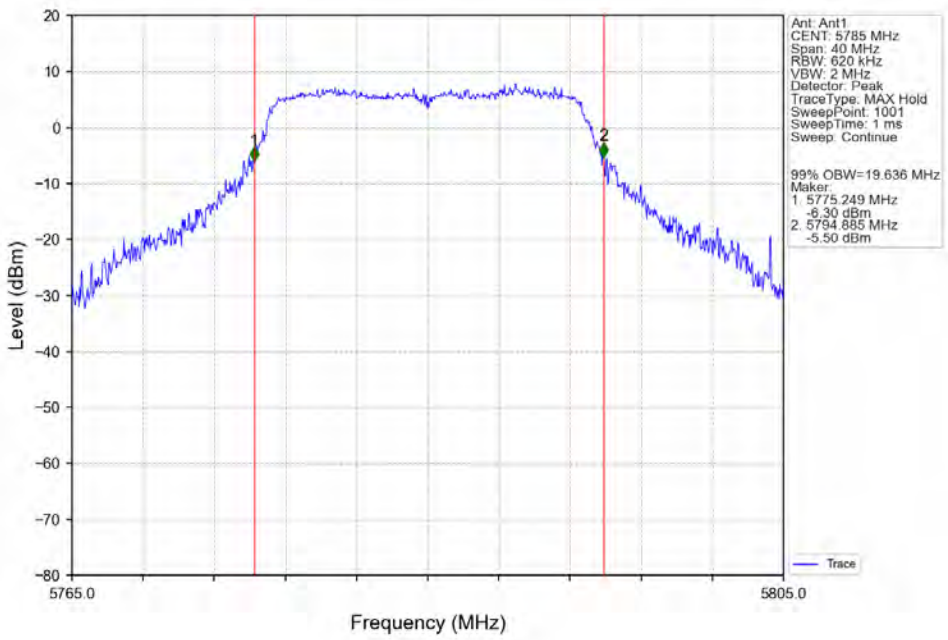
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



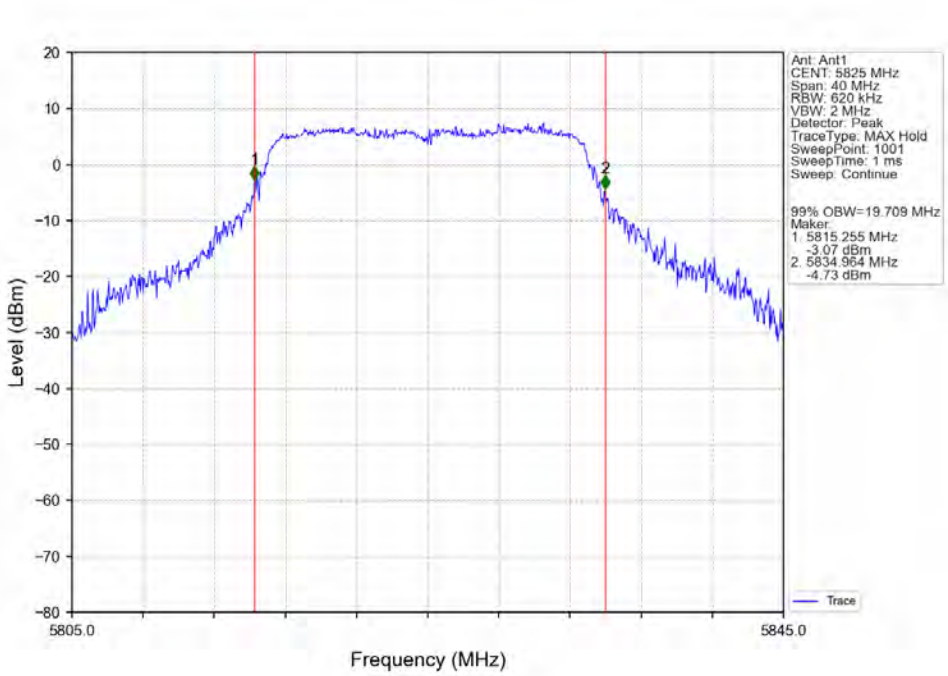
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



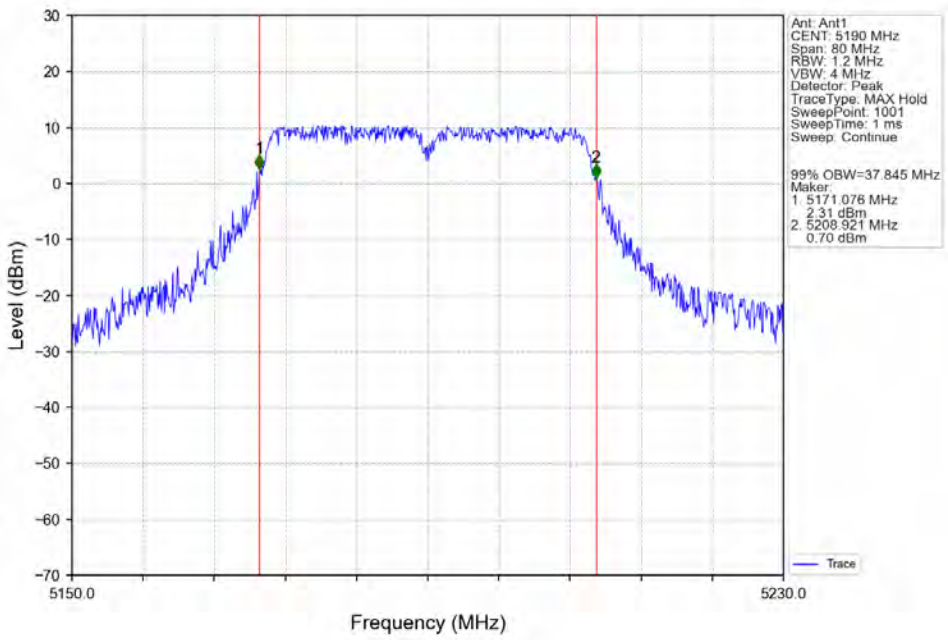
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



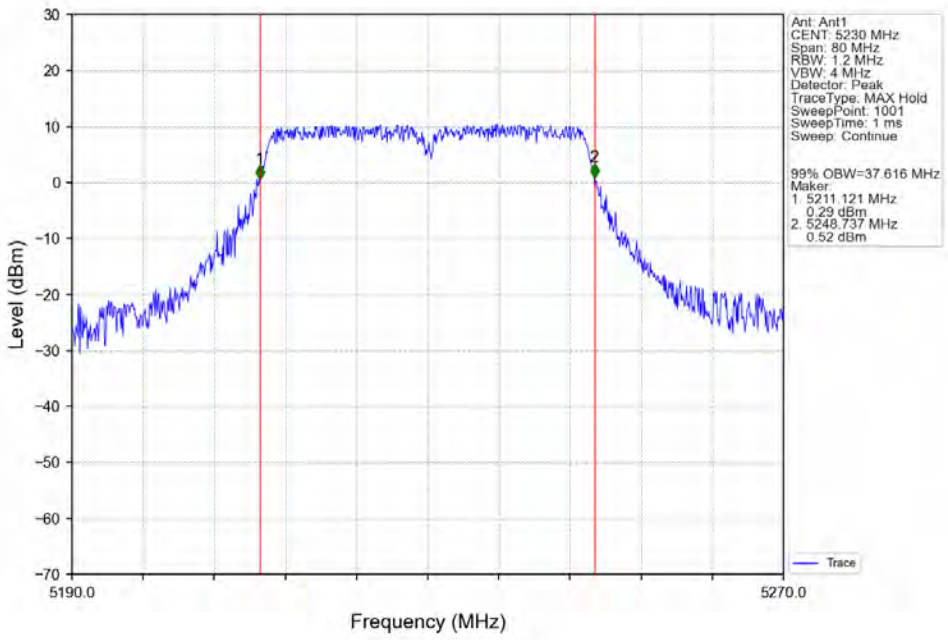
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



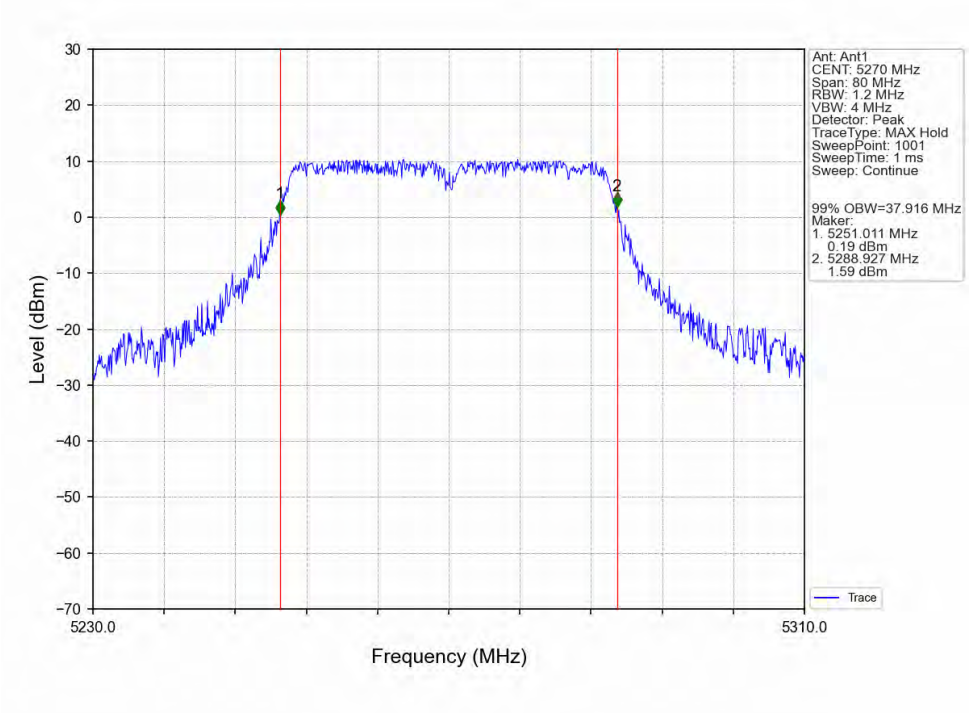
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV