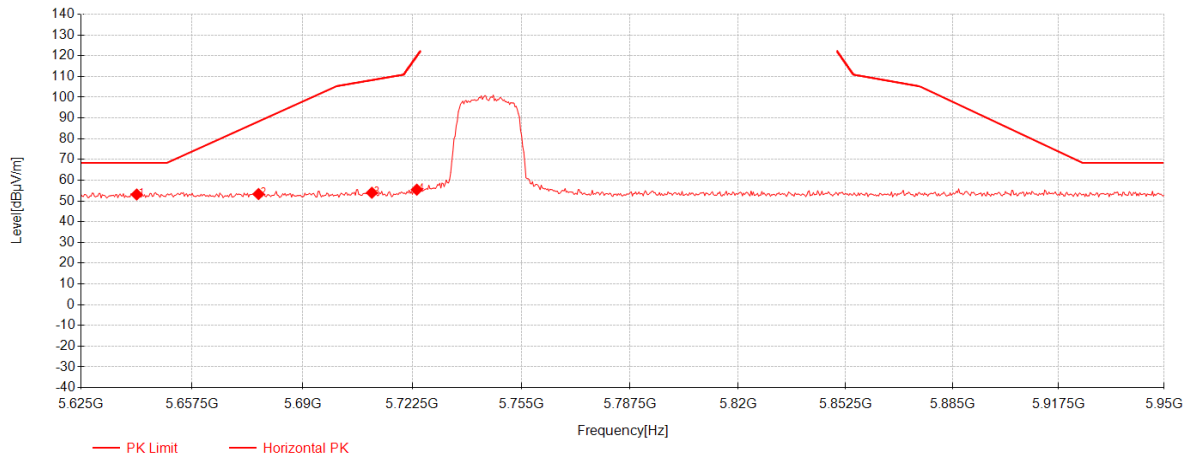
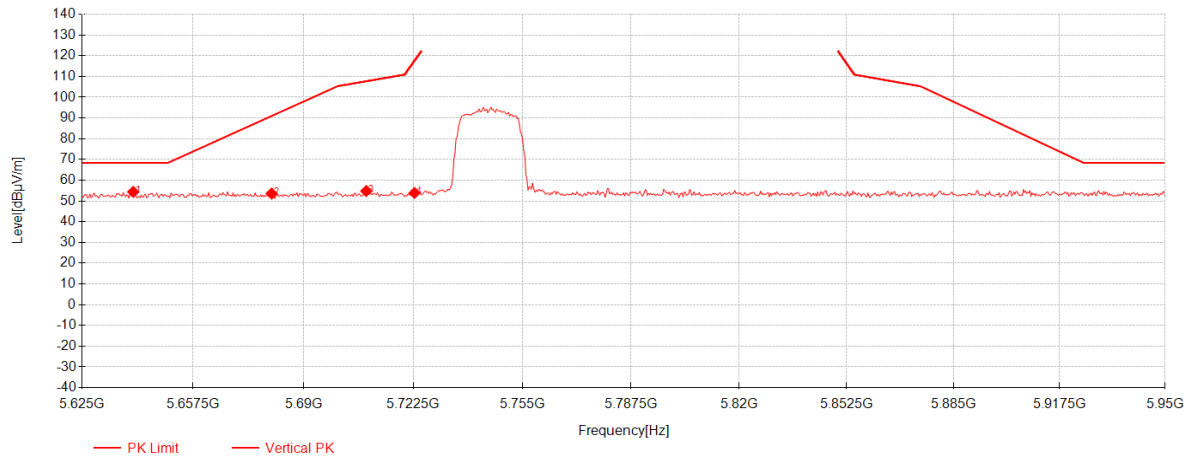


11ac(VHT20)_TX_CH_149_Horizontal_Peak



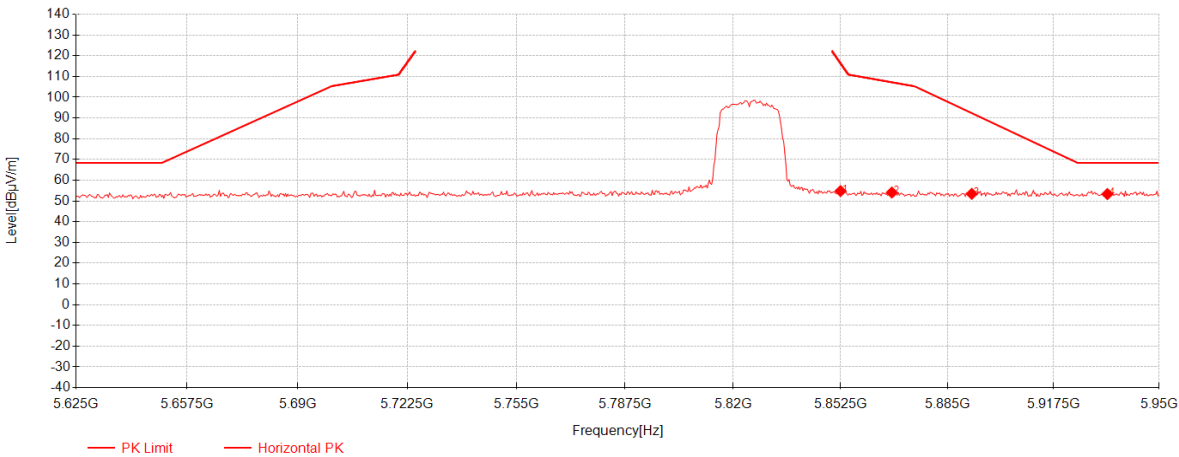
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.25	36.97	33.42	-17.27	53.12	68.30	15.18	Horizontal
2	5677	37.11	33.53	-17.31	53.33	88.32	34.99	Horizontal
3	5710.475	37.62	33.63	-17.30	53.95	108.24	54.29	Horizontal
4	5723.8	39.03	33.67	-17.26	55.45	119.56	64.11	Horizontal

11ac(VHT20)_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	5639.95	38.23	33.42	-17.27	54.38	68.30	13.92	Vertical
2	5680.575	37.34	33.54	-17.31	53.57	90.96	37.39	Vertical
3	5708.525	38.48	33.63	-17.30	54.80	107.69	52.89	Vertical
4	5722.825	37.44	33.67	-17.26	53.85	117.34	63.49	Vertical

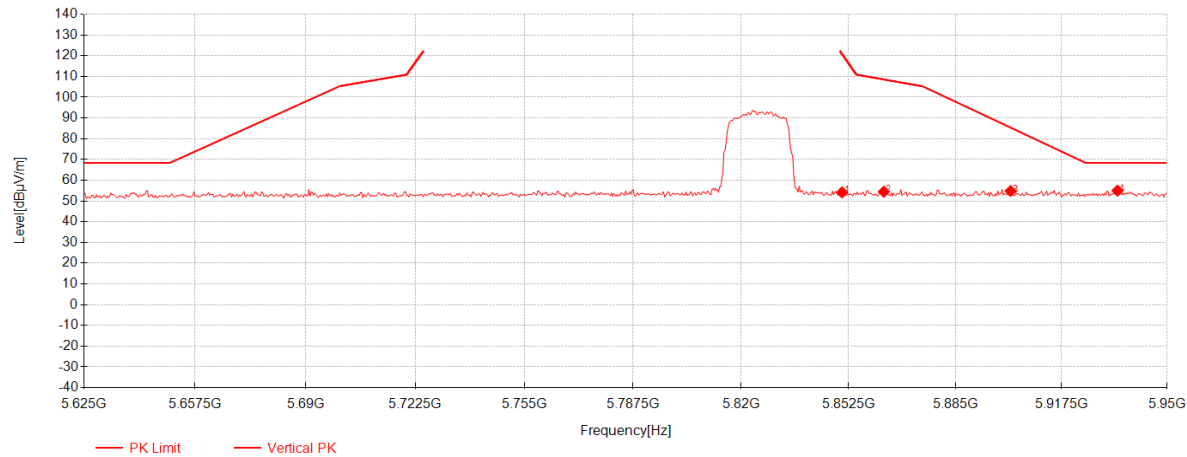
11ac(VHT20)_TX_CH_165_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5852.5	37.64	34.06	-16.91	54.79	116.60	61.81	Horizontal
2	5868.1	36.83	34.10	-16.88	54.06	107.23	53.17	Horizontal
3	5892.475	36.08	34.18	-16.83	53.43	92.33	38.90	Horizontal
4	5934.075	35.95	34.30	-16.92	53.34	68.30	14.96	Horizontal

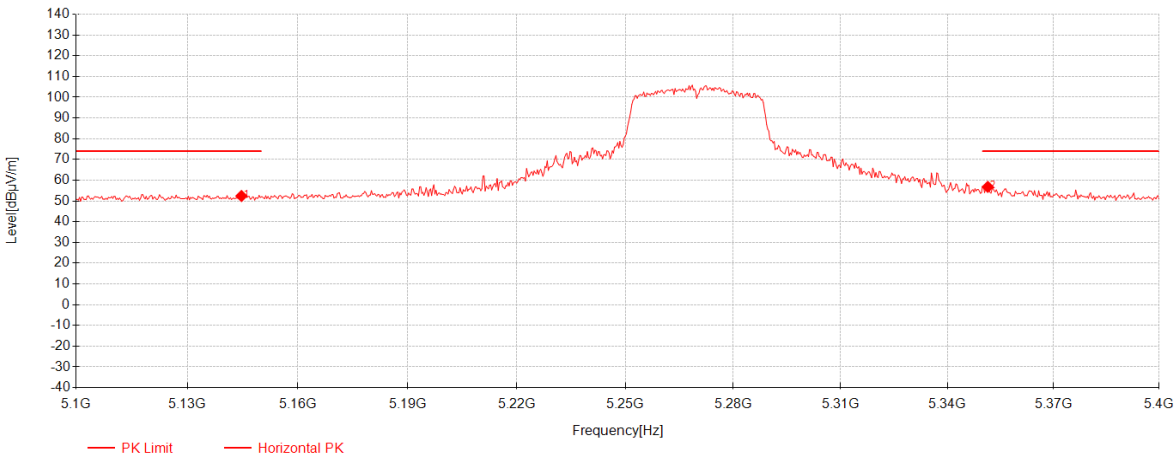


11ac(VHT20)_TX_CH_165_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	37.00	34.05	-16.91	54.14	121.05	66.91	Vertical
2	5863.225	37.27	34.09	-16.89	54.47	108.59	54.12	Vertical
3	5901.9	37.42	34.21	-16.82	54.81	85.36	30.55	Vertical
4	5934.725	37.59	34.30	-16.92	54.98	68.30	13.32	Vertical

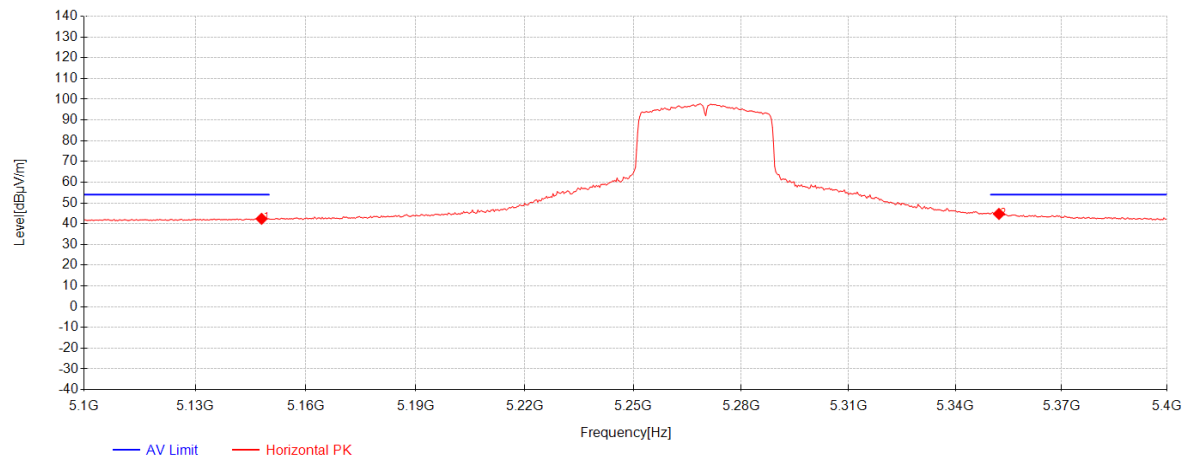
11ac(VHT40)_TX_CH_62_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.7	37.51	33.07	-18.20	52.39	74.00	21.61	Horizontal
2	5351.4	41.51	33.03	-17.75	56.79	74.00	17.21	Horizontal

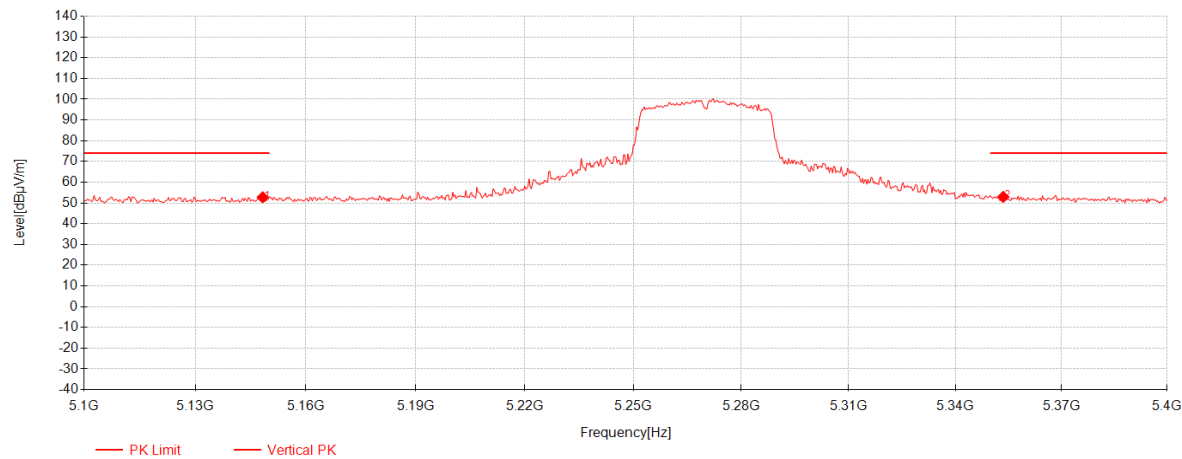


11ac(VHT40)_TX_CH_62_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148	27.48	33.07	-18.19	42.36	54.00	11.64	Horizontal
2	5352.3	29.43	33.03	-17.75	44.71	54.00	9.29	Horizontal

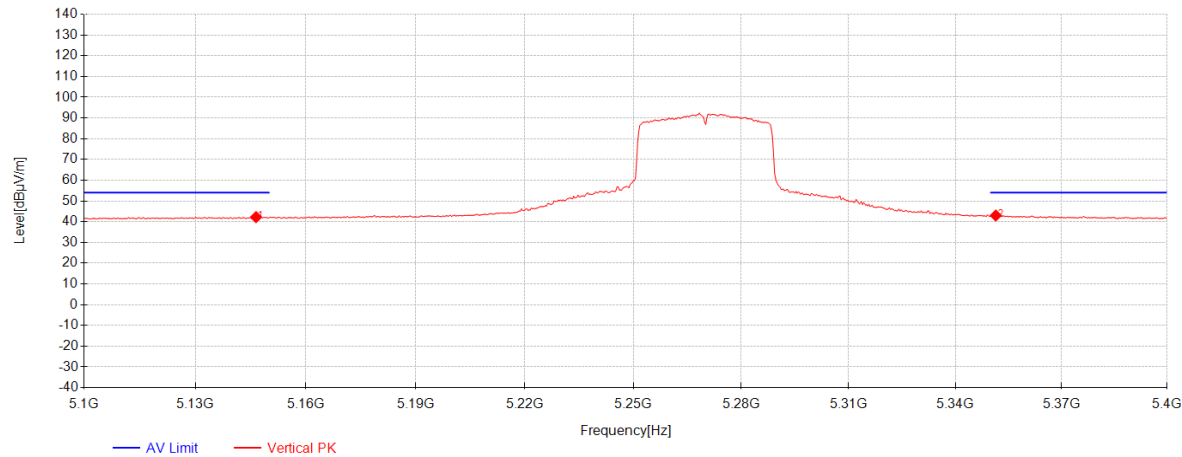
11ac(VHT40)_TX_CH_62_Vetical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.3	37.85	33.07	-18.19	52.74	74.00	21.26	Vertical
2	5353.5	37.65	33.03	-17.75	52.92	74.00	21.08	Vertical

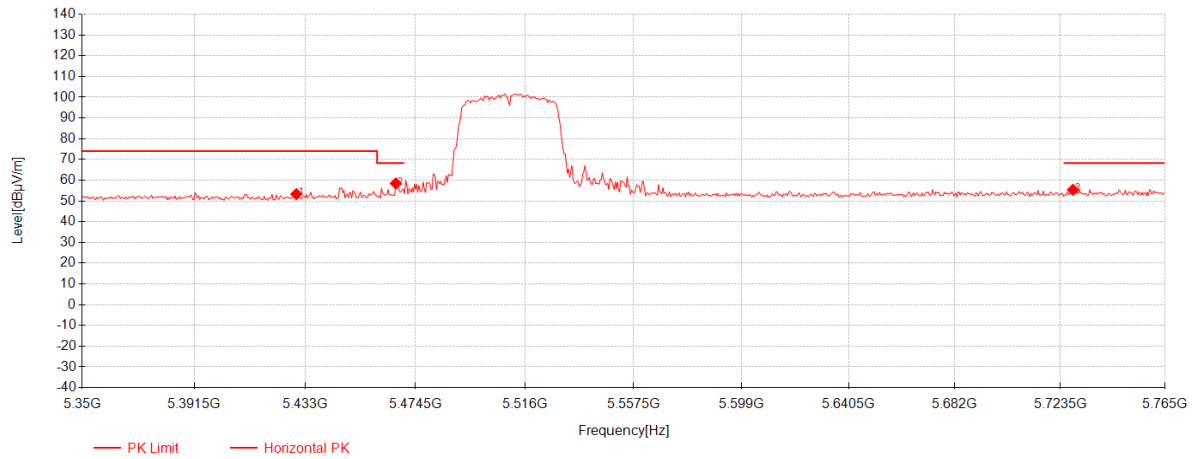


11ac(VHT40)_TX_CH_62_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.5	27.34	33.07	-18.19	42.22	54.00	11.78	Vertical
2	5351.4	27.70	33.03	-17.75	42.98	54.00	11.02	Vertical

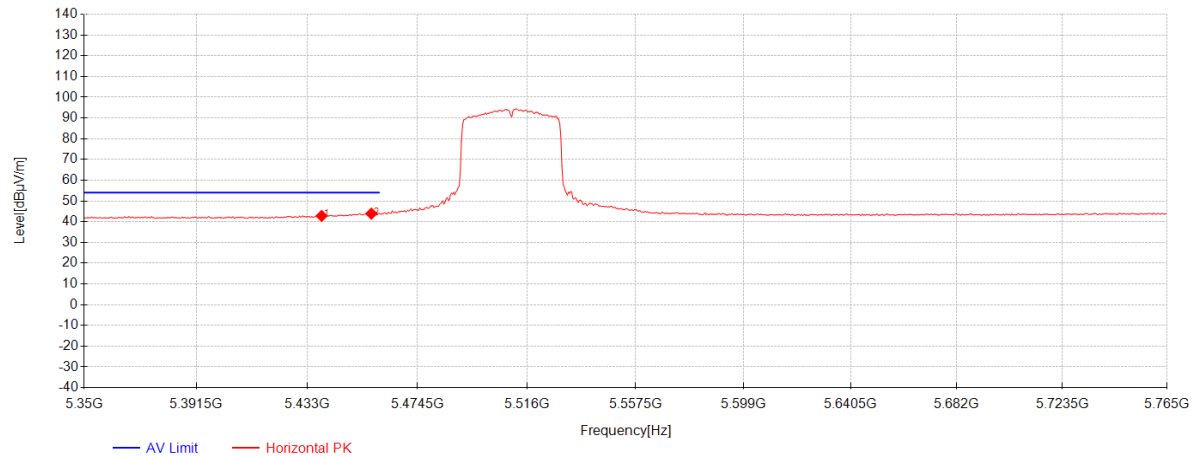
11ac(VHT40)_TX_CH_102_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5429.68	38.03	33.01	-17.73	53.31	74.00	20.69	Horizontal
2	5467.03	43.05	33.01	-17.62	58.44	68.20	9.76	Horizontal
3	5728.48	38.94	33.69	-17.24	55.38	68.20	12.82	Horizontal

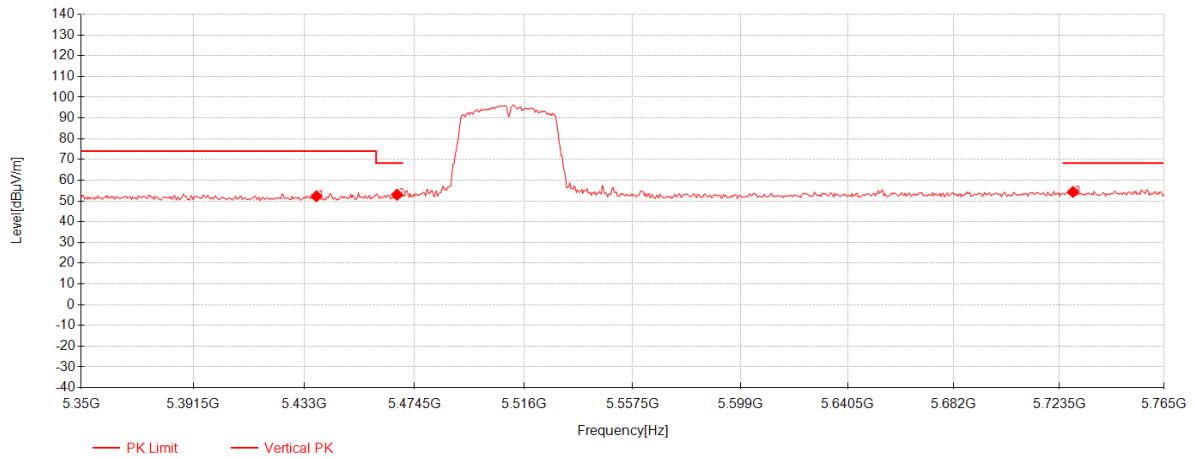


11ac(VHT40)_TX_CH_102_Horizontal_Average



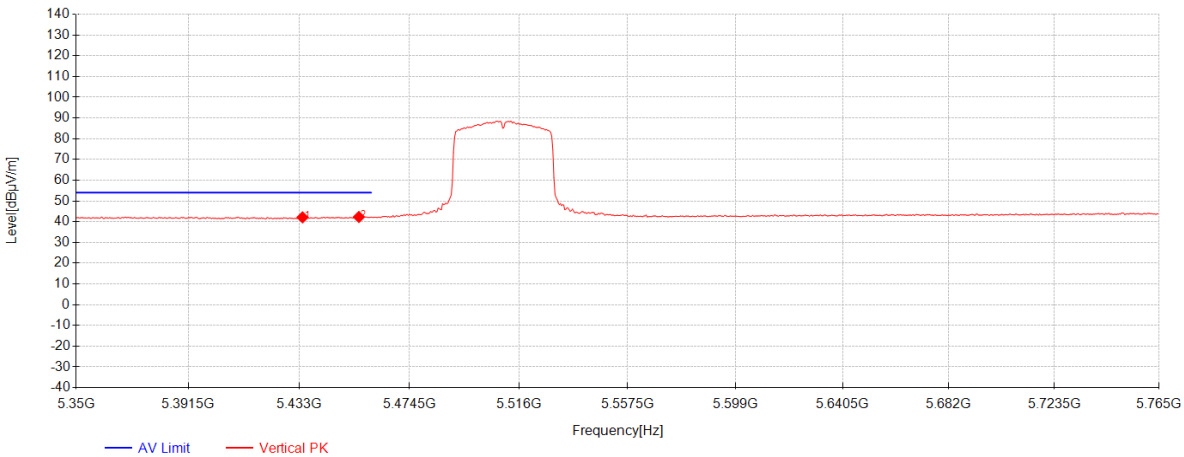
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5438.395	27.48	33.01	-17.70	42.79	54.00	11.21	Horizontal
2	5457.07	28.53	33.01	-17.65	43.89	54.00	10.11	Horizontal

11ac(VHT40)_TX_CH_102_Veritical_Peak



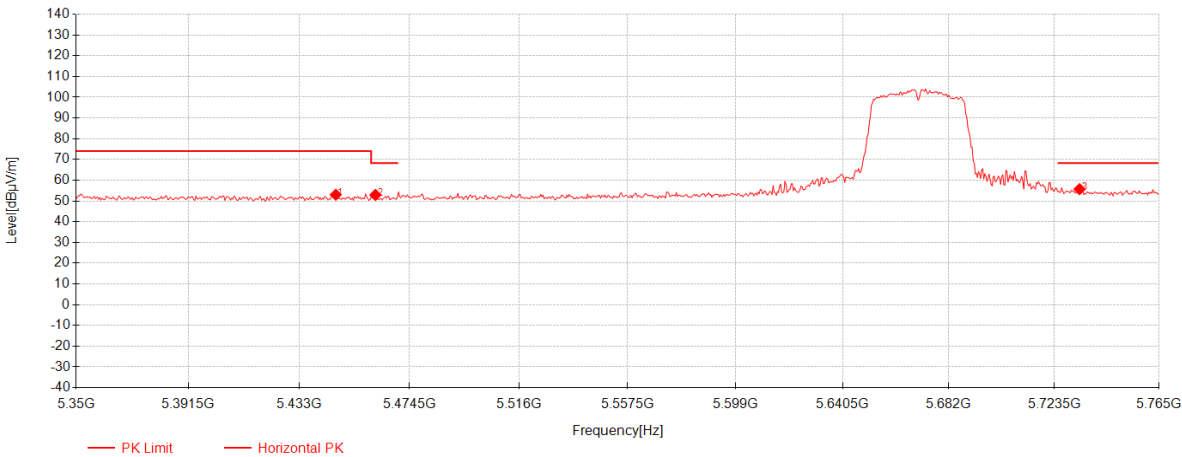
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5437.565	36.99	33.01	-17.71	52.30	74.00	21.70	Vertical
2	5467.86	37.64	33.01	-17.62	53.03	68.20	15.17	Vertical
3	5728.895	37.91	33.69	-17.24	54.36	68.20	13.84	Vertical

11ac(VHT40)_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	5434.245	26.79	33.01	-17.72	42.09	54.00	11.91	Vertical
2	5455.41	26.93	33.01	-17.65	42.29	54.00	11.71	Vertical

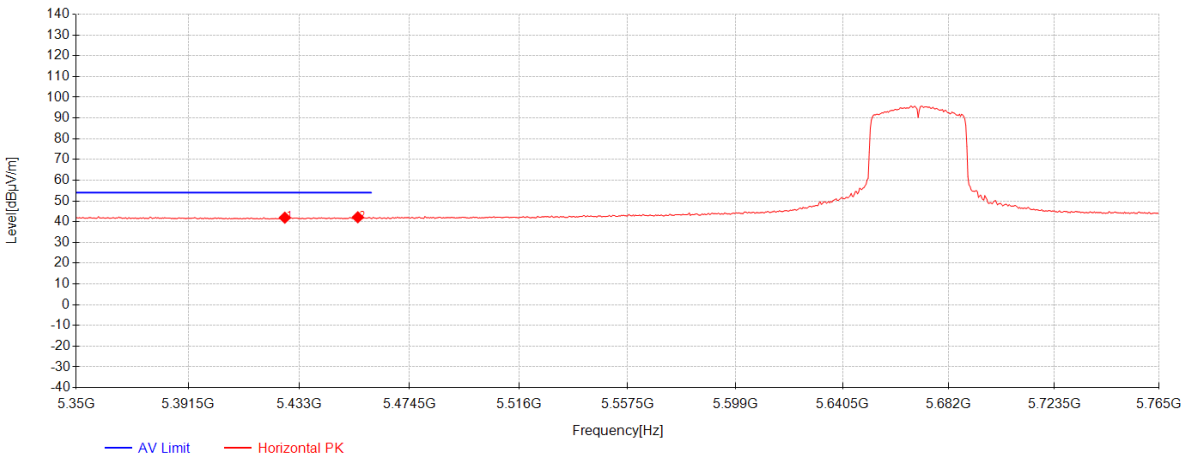
11ac(VHT40)_TX_CH_134_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.695	37.67	33.01	-17.68	53.00	74.00	21.00	Horizontal
2	5461.635	37.53	33.01	-17.64	52.90	68.20	15.30	Horizontal
3	5733.46	39.22	33.70	-17.23	55.69	68.20	12.51	Horizontal

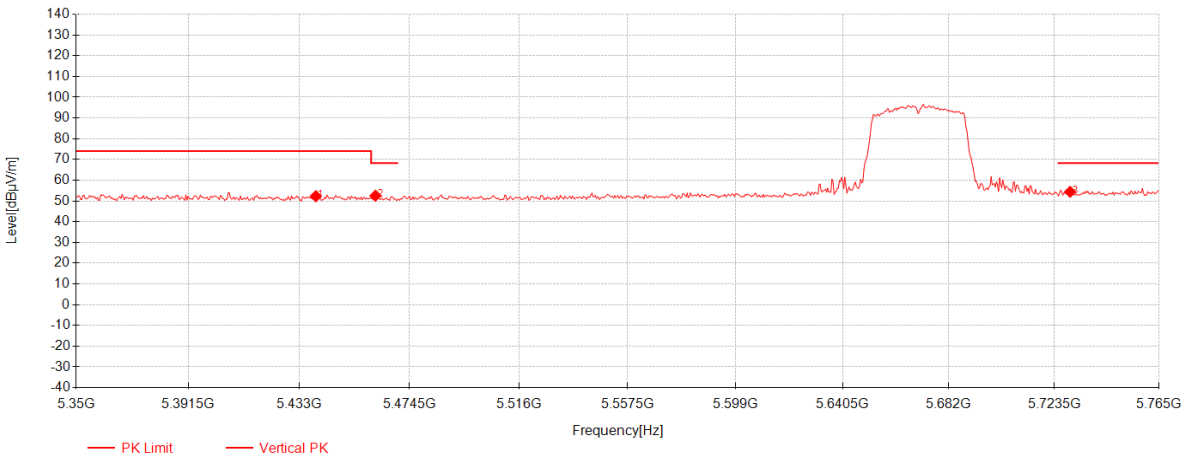


11ac(VHT40)_TX_CH_134_Horizontal_Average



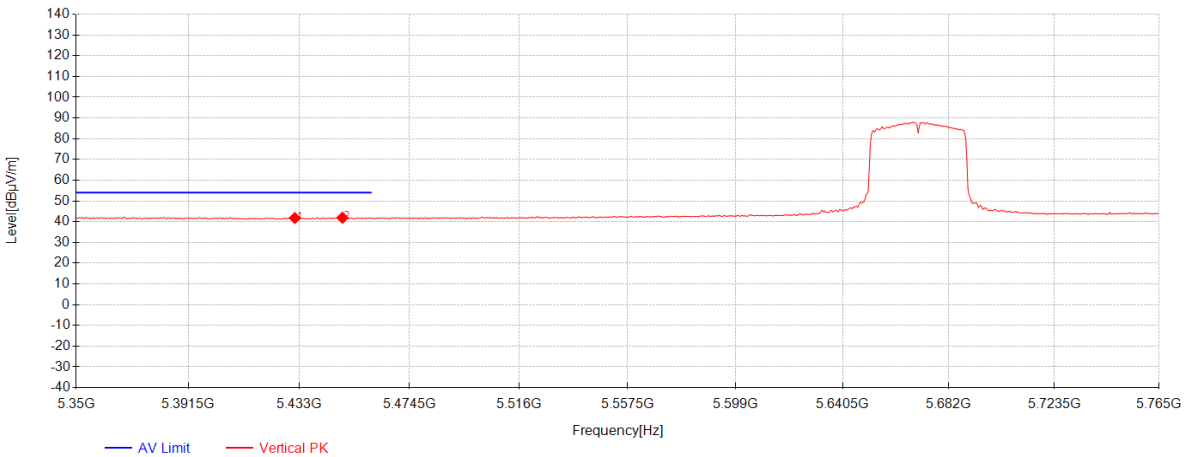
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5427.605	26.65	33.01	-17.74	41.93	54.00	12.07	Horizontal
2	5454.995	26.78	33.01	-17.66	42.13	54.00	11.87	Horizontal

11ac(VHT40)_TX_CH_134_Vertical_Peak



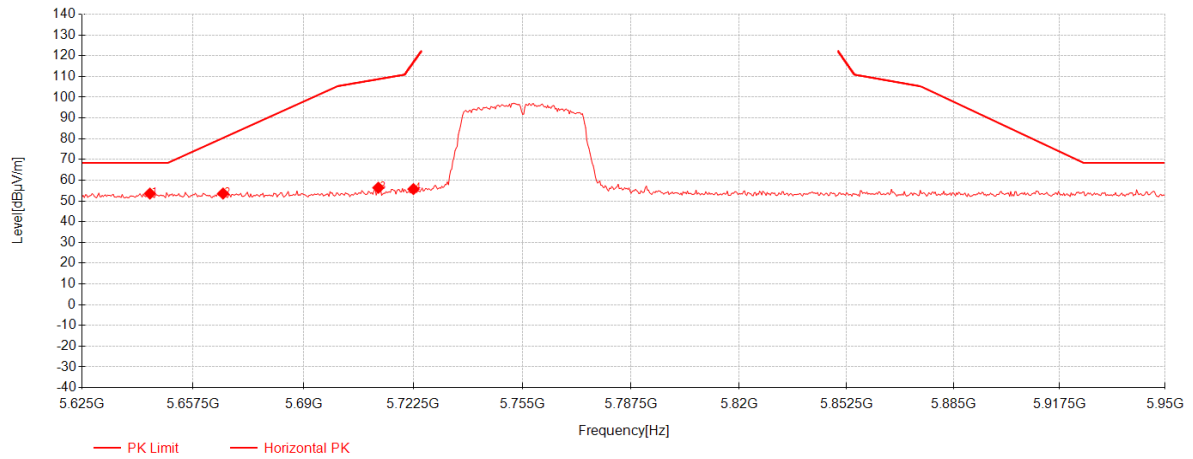
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5439.225	36.99	33.01	-17.70	52.30	74.00	21.70	Vertical
2	5461.635	37.17	33.01	-17.64	52.54	68.20	15.66	Vertical
3	5729.725	37.94	33.69	-17.24	54.39	68.20	13.81	Vertical

11ac(VHT40)_TX_CH_134_Vertical_Average



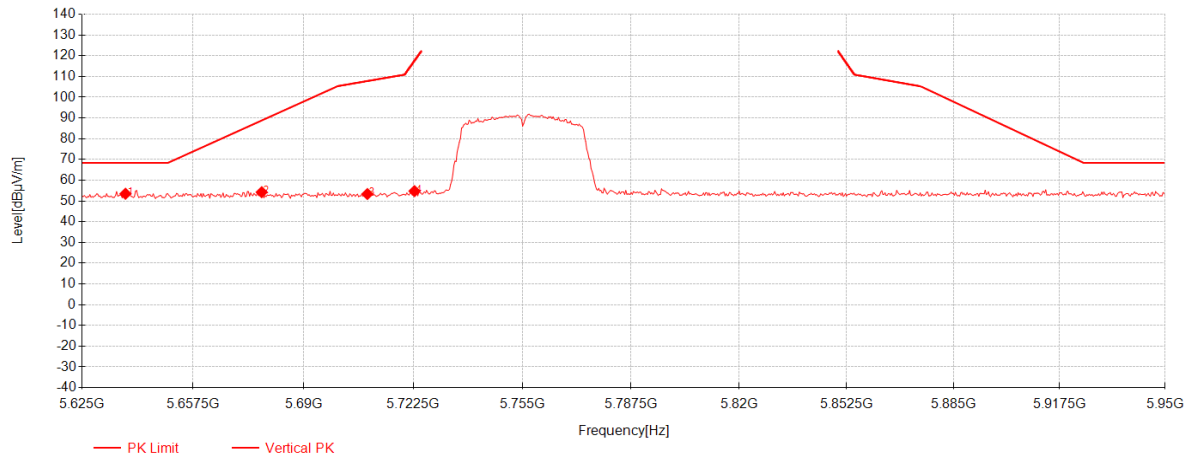
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5431.34	26.49	33.01	-17.73	41.78	54.00	12.22	Vertical
2	5449.185	26.57	33.01	-17.67	41.91	54.00	12.09	Vertical

11ac(VHT40)_TX_CH_151_Horizontal_Peak



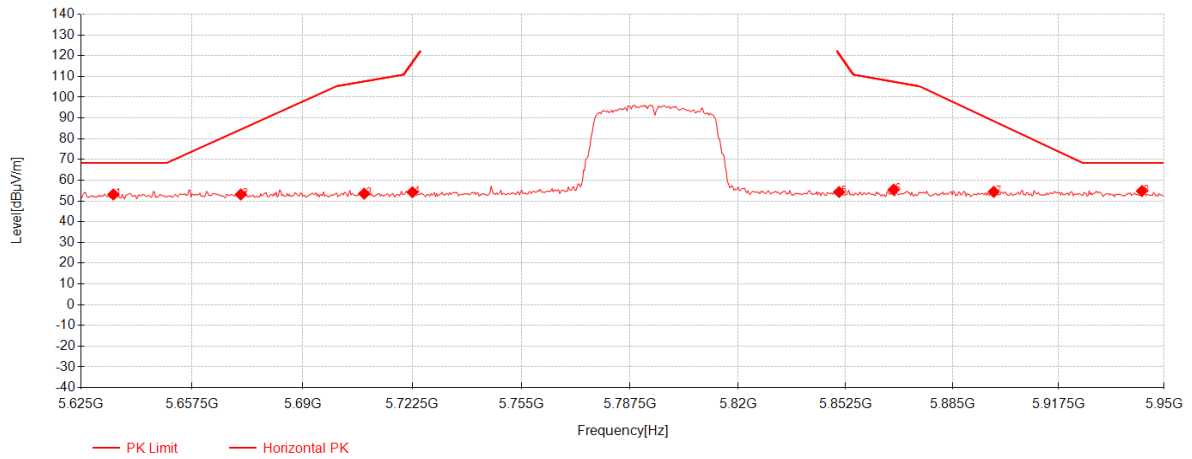
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.825	37.39	33.43	-17.27	53.55	68.30	14.75	Horizontal
2	5666.275	37.38	33.50	-17.30	53.58	80.38	26.80	Horizontal
3	5712.1	40.03	33.64	-17.29	56.37	108.69	52.32	Horizontal
4	5722.5	39.30	33.67	-17.26	55.71	116.60	60.89	Horizontal

11ac(VHT40)_TX_CH_151_Vertical_Peak



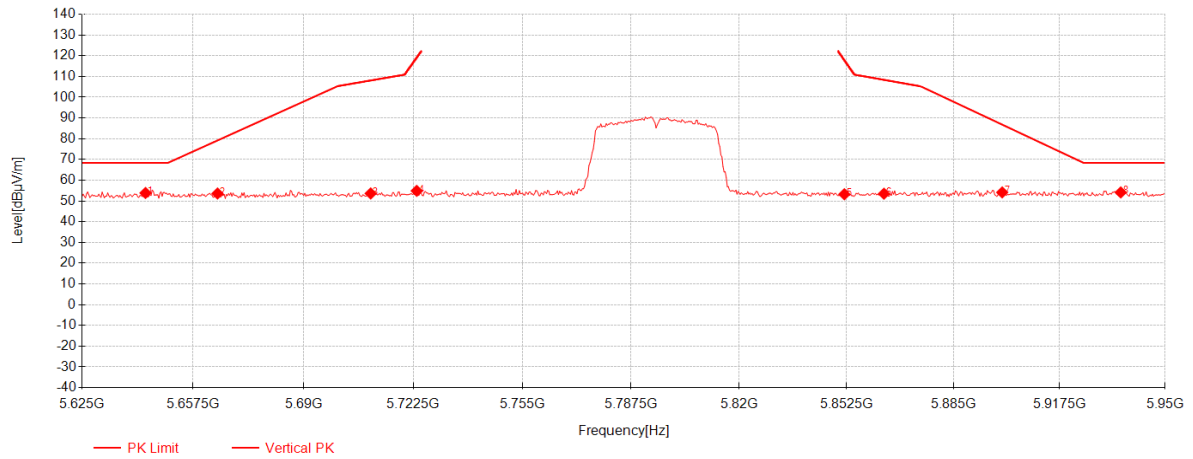
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5637.675	37.33	33.41	-17.27	53.48	68.30	14.82	Vertical
2	5677.65	38.01	33.53	-17.31	54.24	88.80	34.56	Vertical
3	5708.85	37.03	33.63	-17.30	53.35	107.78	54.43	Vertical
4	5722.825	38.34	33.67	-17.26	54.75	117.34	62.59	Vertical

11ac(VHT40)_TX_CH_159_Horizontal_Peak



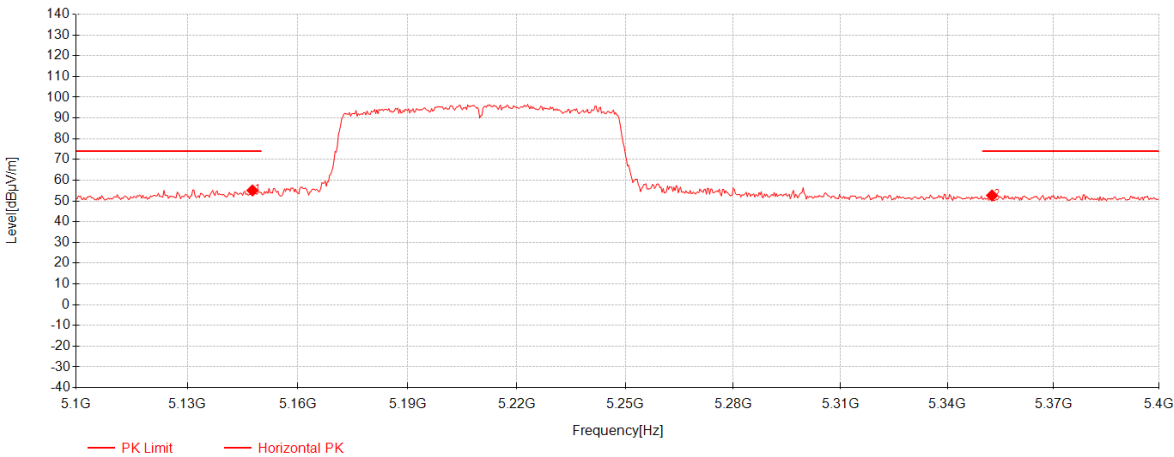
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.425	36.98	33.40	-17.26	53.12	68.30	15.18	Horizontal
2	5671.8	36.92	33.52	-17.30	53.13	84.47	31.34	Horizontal
3	5708.2	37.20	33.62	-17.30	53.52	107.60	54.08	Horizontal
4	5722.5	37.78	33.67	-17.26	54.19	116.60	62.41	Horizontal
5	5850.55	37.18	34.05	-16.91	54.32	121.05	66.73	Horizontal
6	5867.125	38.24	34.10	-16.88	55.46	107.50	52.04	Horizontal
7	5897.675	37.02	34.19	-16.81	54.40	88.48	34.08	Horizontal
8	5943.175	37.40	34.33	-16.94	54.79	68.30	13.51	Horizontal

11ac(VHT40)_TX_CH_159_Vertical_Peak



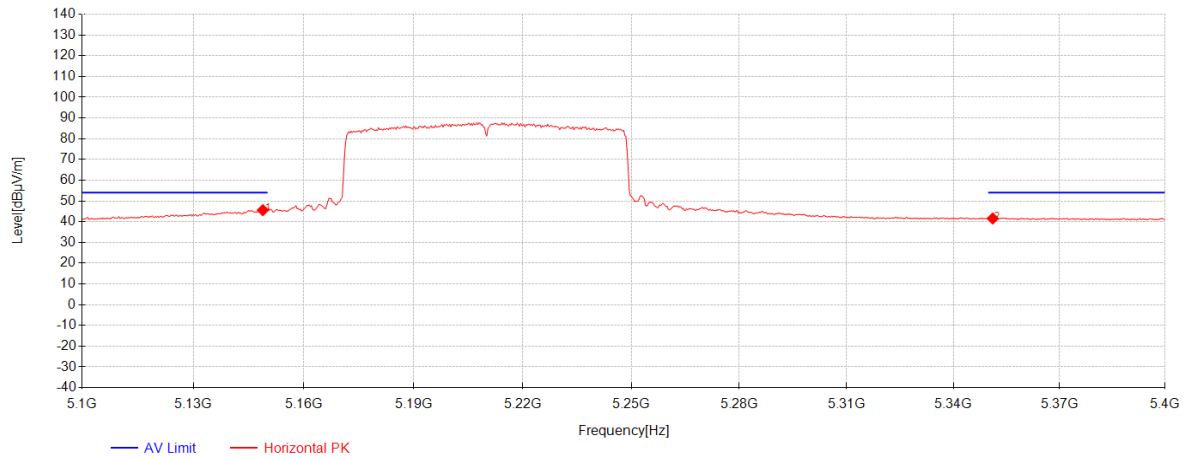
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5643.525	37.70	33.43	-17.27	53.86	68.30	14.44	Vertical
2	5664.65	37.40	33.49	-17.29	53.60	79.17	25.57	Vertical
3	5709.825	37.29	33.63	-17.30	53.62	108.05	54.43	Vertical
4	5723.475	38.45	33.67	-17.26	54.86	118.82	63.96	Vertical
5	5851.85	36.10	34.06	-16.91	53.24	118.08	64.84	Vertical
6	5863.875	36.28	34.09	-16.89	53.49	108.41	54.92	Vertical
7	5899.95	36.75	34.20	-16.81	54.14	86.80	32.66	Vertical
8	5936.35	36.73	34.31	-16.92	54.12	68.30	14.18	Vertical

11ac(VHT80)_TX_CH_42_Horizontal_Peak



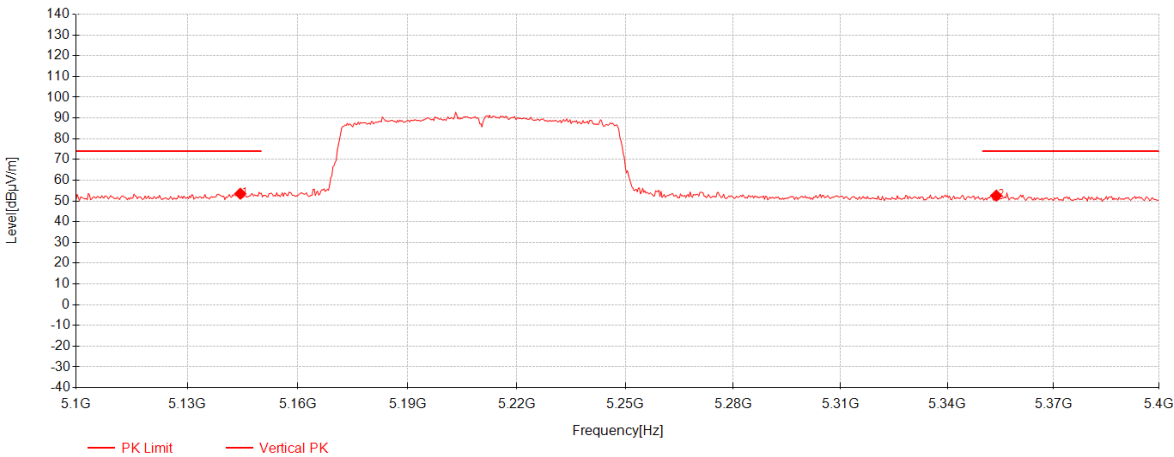
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.7	40.20	33.07	-18.19	55.08	74.00	18.92	Horizontal
2	5352.6	37.35	33.03	-17.75	52.63	74.00	21.37	Horizontal

11ac(VHT80)_TX_CH_42_Horizontal_Average



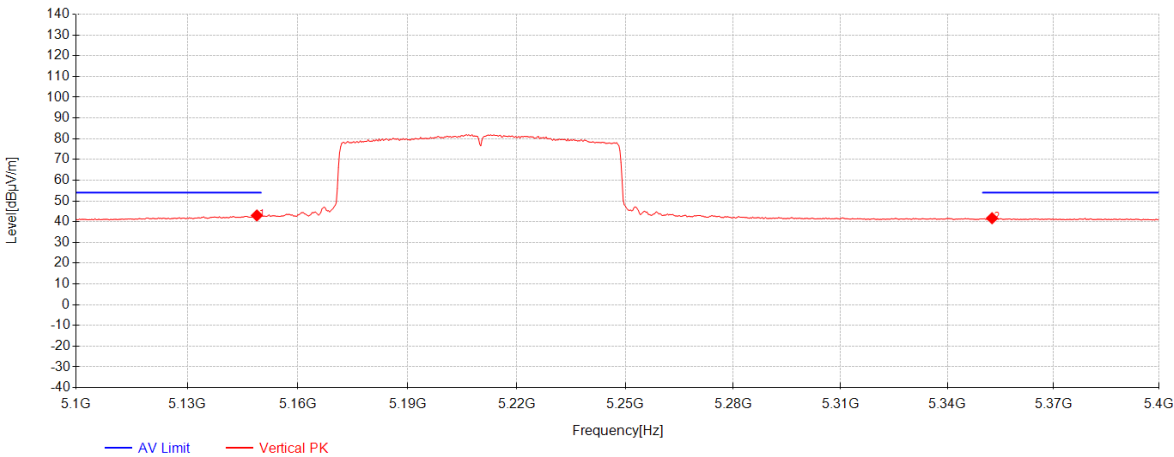
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.9	30.67	33.07	-18.18	45.56	54.00	8.44	Horizontal
2	5351.1	26.26	33.03	-17.75	41.54	54.00	12.46	Horizontal

11ac(VHT80)_TX_CH_42_Vetical_Peak



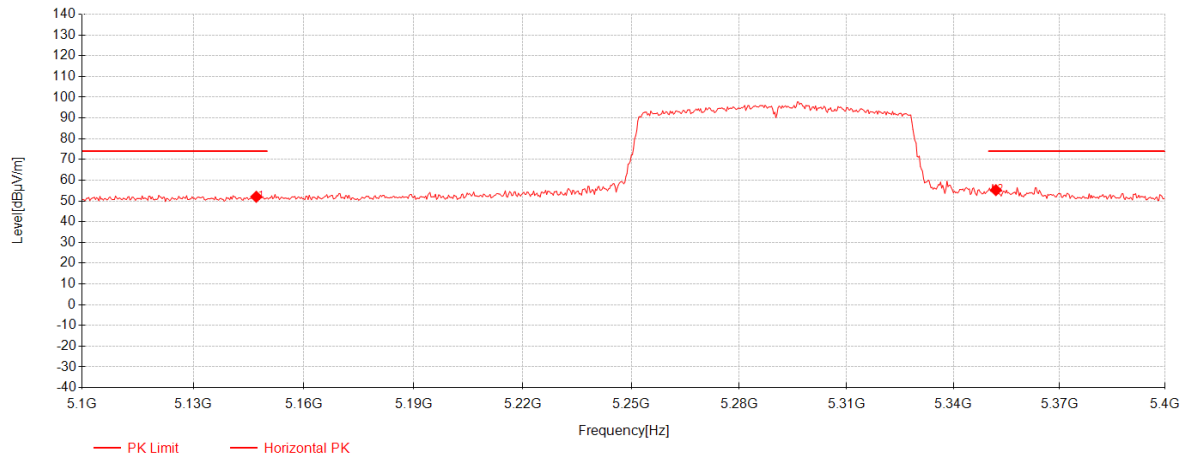
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.4	38.63	33.07	-18.20	53.50	74.00	20.50	Vertical
2	5353.8	37.31	33.03	-17.76	52.58	74.00	21.42	Vertical

11ac(VHT80)_TX_CH_42_Vetical_Average



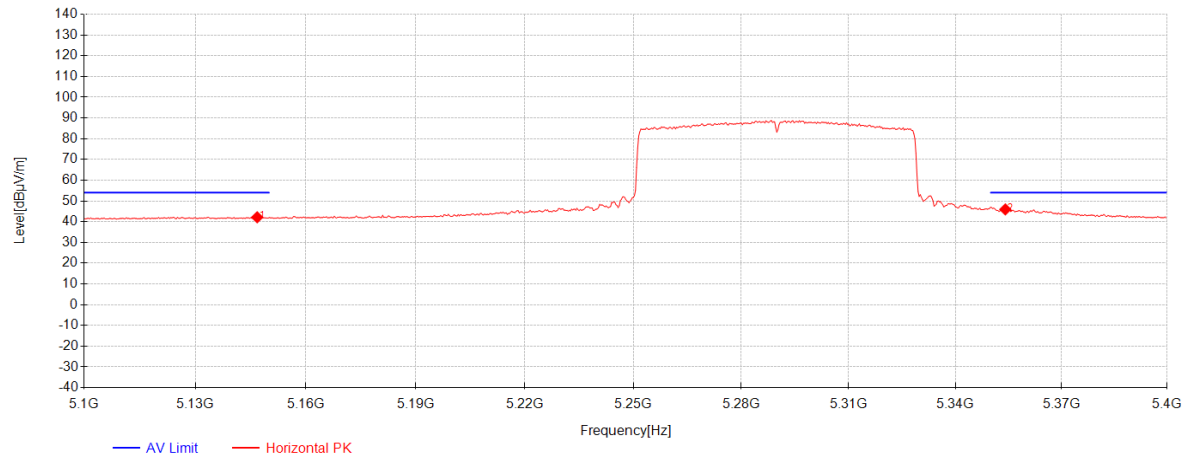
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.9	28.13	33.07	-18.18	43.02	54.00	10.98	Vertical
2	5352.6	26.39	33.03	-17.75	41.67	54.00	12.33	Vertical

11ac(VHT80)_TX_CH_58_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.1	37.14	33.07	-18.19	52.02	74.00	21.98	Horizontal
2	5352	39.94	33.03	-17.75	55.22	74.00	18.78	Horizontal

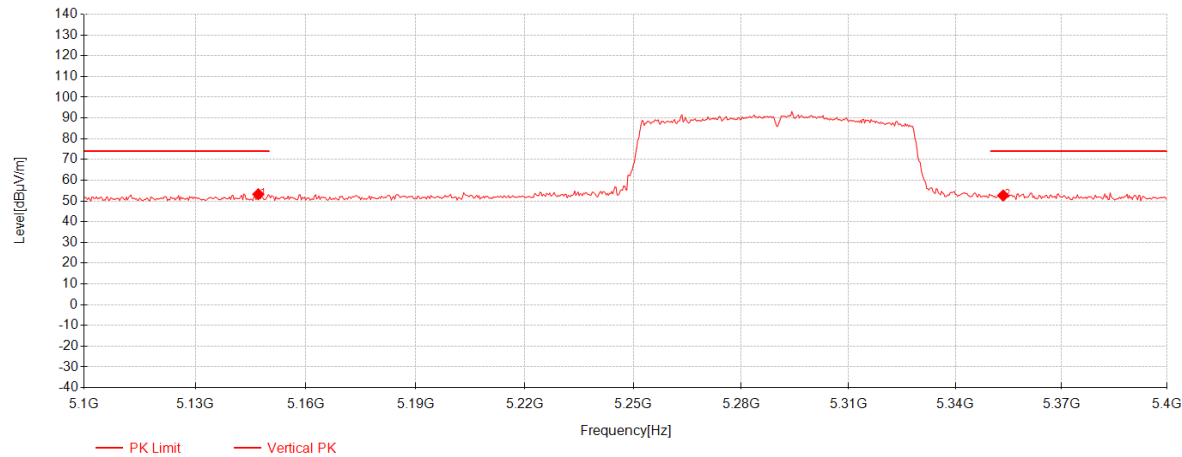
11ac(VHT80)_TX_CH_58_Horizontal_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.8	27.26	33.07	-18.19	42.14	54.00	11.86	Horizontal
2	5354.1	30.66	33.03	-17.76	45.93	54.00	8.07	Horizontal

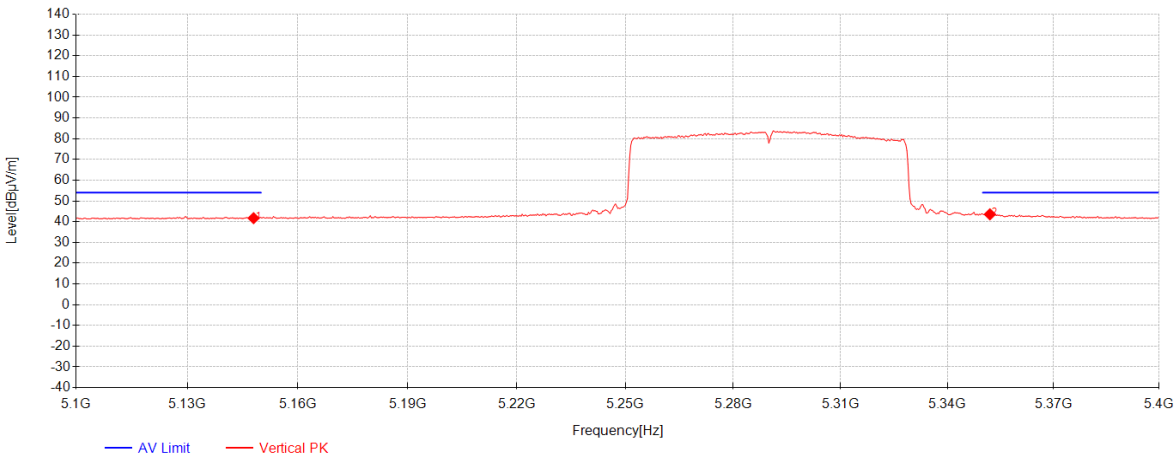


11ac(VHT80)_TX_CH_58_Vetical_Peak



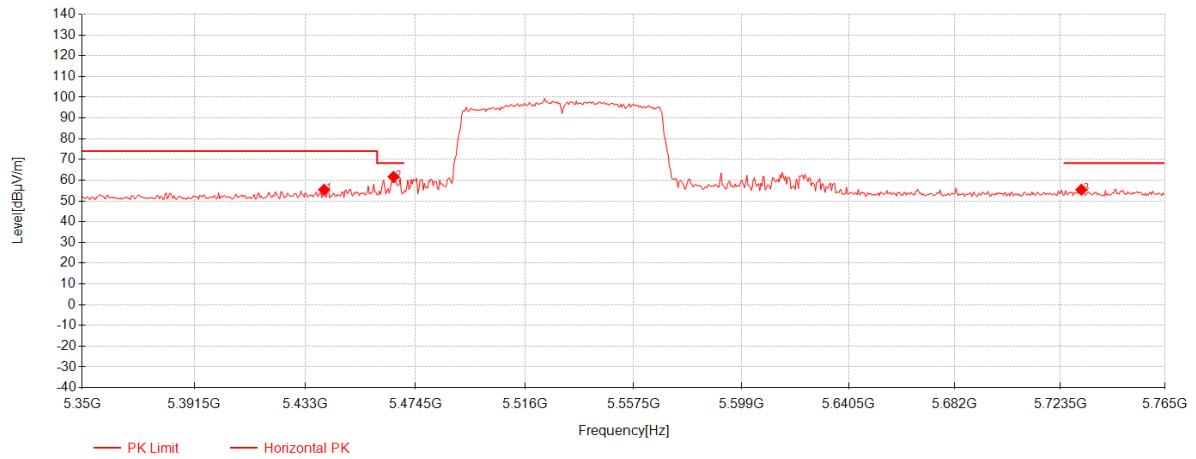
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.1	38.36	33.07	-18.19	53.24	74.00	20.76	Vertical
2	5353.5	37.36	33.03	-17.75	52.63	74.00	21.37	Vertical

11ac(VHT80)_TX_CH_58_Vetical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148	26.82	33.07	-18.19	41.70	54.00	12.30	Vertical
2	5352	28.27	33.03	-17.75	43.55	54.00	10.45	Vertical

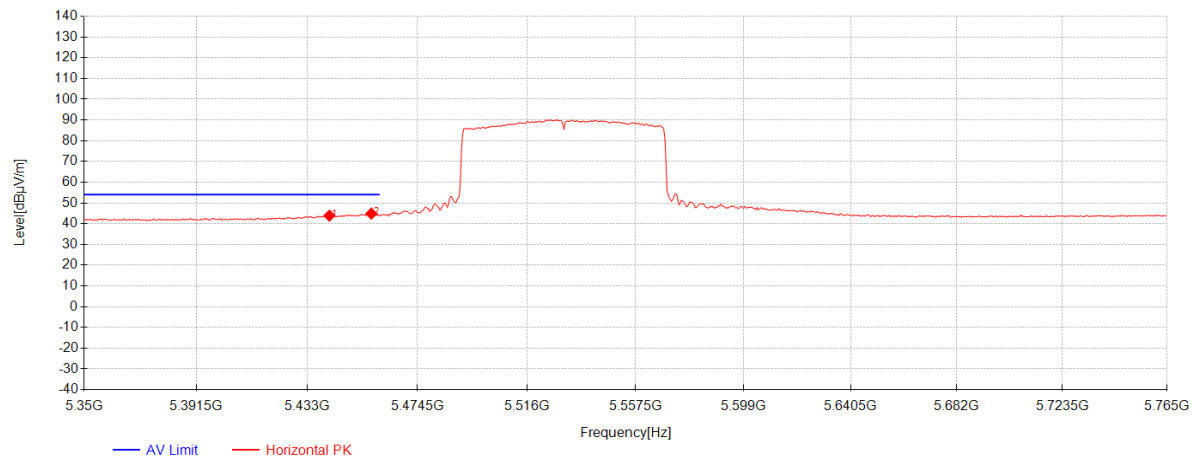
11ac(VHT80)_TX_CH_106_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5440.055	40.09	33.01	-17.70	55.40	74.00	18.60	Horizontal
2	5466.2	46.26	33.01	-17.62	61.65	68.20	6.55	Horizontal
3	5731.8	38.95	33.70	-17.23	55.41	68.20	12.79	Horizontal

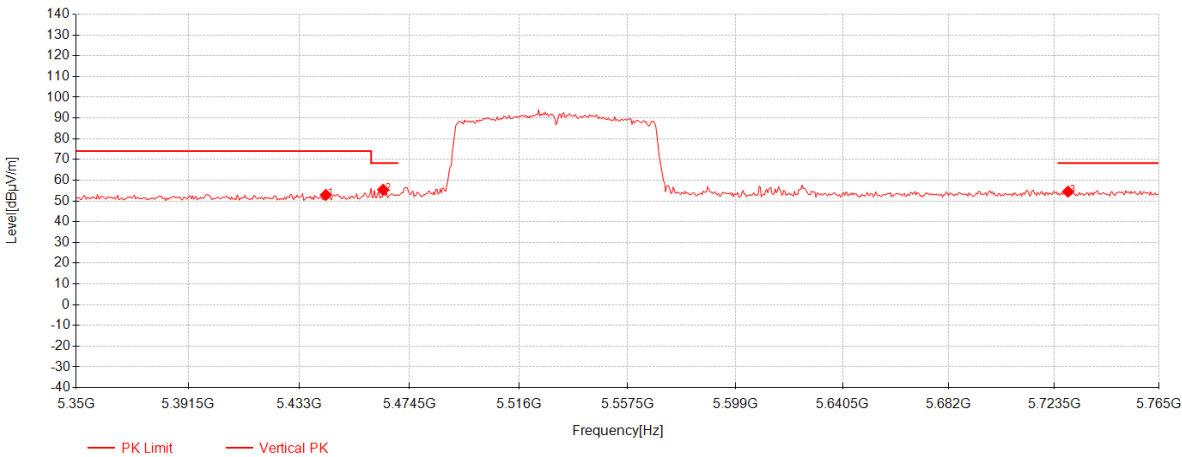


11ac(VHT80)_TX_CH_106_Horizontal_Average



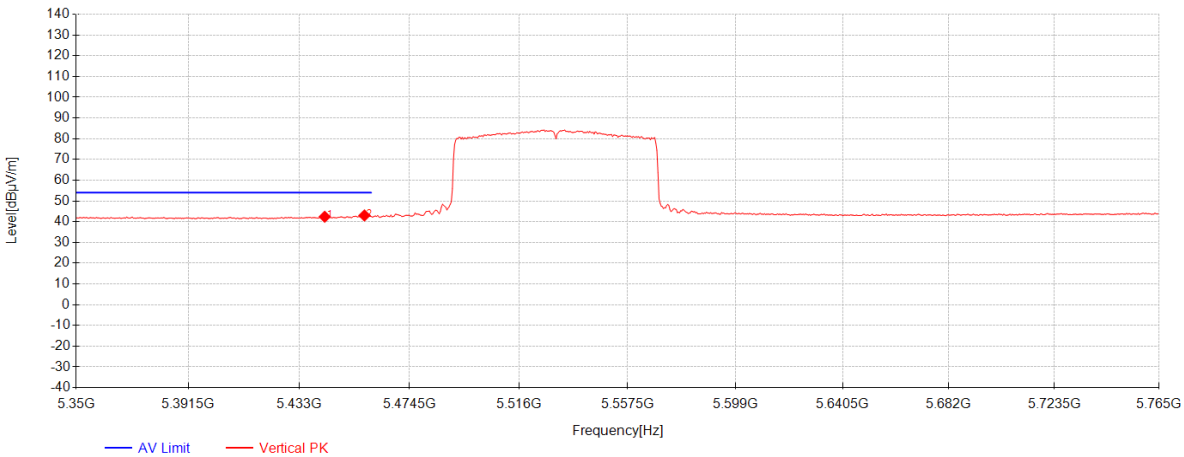
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5441.3	28.55	33.01	-17.70	43.87	54.00	10.13	Horizontal
2	5457.07	29.50	33.01	-17.65	44.86	54.00	9.14	Horizontal

11ac(VHT80)_TX_CH_106_Vertical_Peak



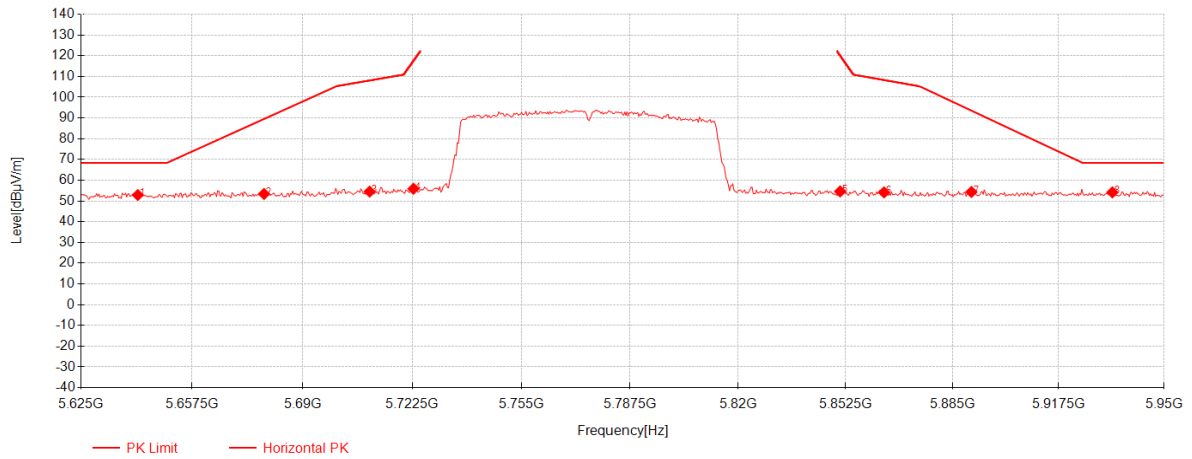
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5442.96	37.60	33.01	-17.69	52.92	74.00	21.08	Vertical
2	5464.54	40.01	33.01	-17.63	55.39	68.20	12.81	Vertical
3	5728.895	38.02	33.69	-17.24	54.47	68.20	13.73	Vertical

11ac(VHT80)_TX_CH_106_Vertical_Average



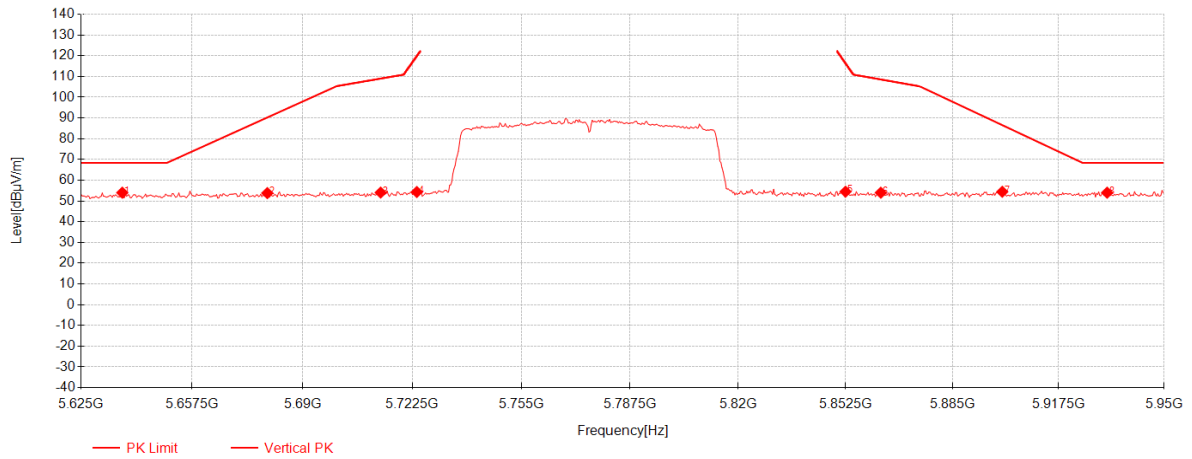
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5442.545	27.07	33.01	-17.69	42.39	54.00	11.61	Vertical
2	5457.485	27.66	33.01	-17.65	43.02	54.00	10.98	Vertical

11ac(VHT80)_TX_CH_155_Horizontal_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.575	36.73	33.42	-17.27	52.88	68.30	15.42	Horizontal
2	5678.625	37.17	33.54	-17.31	53.40	89.52	36.12	Horizontal
3	5709.825	38.18	33.63	-17.30	54.51	108.05	53.54	Horizontal
4	5722.825	39.47	33.67	-17.26	55.88	117.34	61.46	Horizontal
5	5850.875	37.45	34.05	-16.91	54.59	120.30	65.71	Horizontal
6	5864.2	36.92	34.09	-16.89	54.13	108.32	54.19	Horizontal
7	5890.85	37.02	34.17	-16.83	54.36	93.54	39.18	Horizontal
8	5934.075	36.75	34.30	-16.92	54.14	68.30	14.16	Horizontal

11ac(VHT80)_TX_CH_155_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5637.025	37.87	33.41	-17.27	54.01	68.30	14.29	Vertical
2	5679.6	37.55	33.54	-17.31	53.78	90.24	36.46	Vertical
3	5713.075	37.69	33.64	-17.29	54.04	108.96	54.92	Vertical
4	5723.8	37.91	33.67	-17.26	54.33	119.56	65.23	Vertical
5	5852.5	37.33	34.06	-16.91	54.48	116.60	62.12	Vertical
6	5863.225	36.78	34.09	-16.89	53.98	108.59	54.61	Vertical
7	5900.275	37.05	34.20	-16.81	54.44	86.56	32.12	Vertical
8	5932.45	36.60	34.30	-16.91	53.99	68.30	14.31	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: 23 °C

Humidity: 56 % RH

Atmospheric Pressure: 1024 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.5.3 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: 23 °C

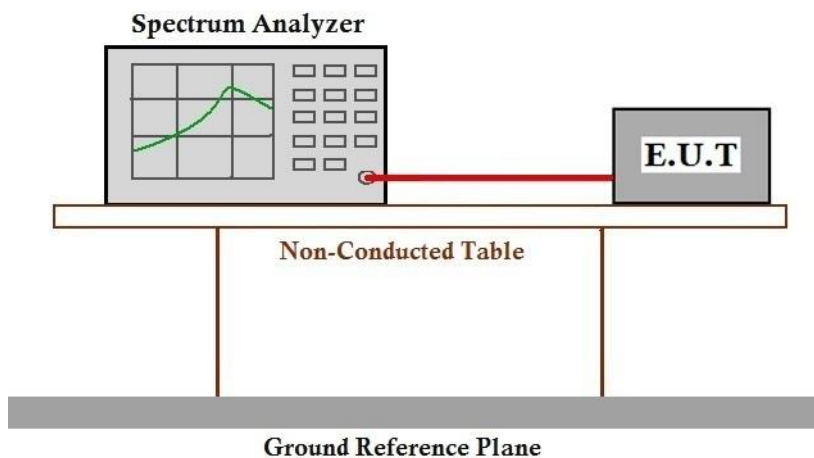
Humidity: 56 % RH

Atmospheric Pressure: 1024 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, 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

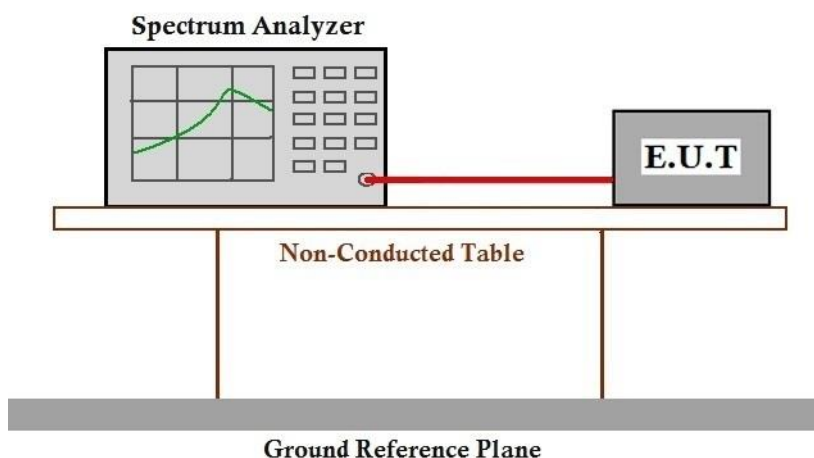
7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 23 °C Humidity: 56 % RH Atmospheric Pressure: 1024 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, 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: 23 °C Humidity: 56 % RH Atmospheric Pressure: 1024 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.8.3 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	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
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

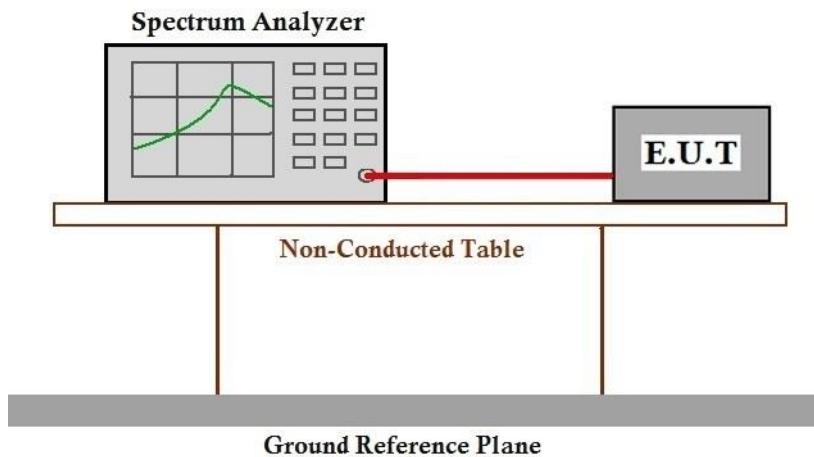
Operating Environment:

Temperature: 23 °C Humidity: 56 % RH Atmospheric Pressure: 1024 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, 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: 23 °C

Humidity: 56 % RH

Atmospheric Pressure: 1024 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.10.3 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: 23 °C

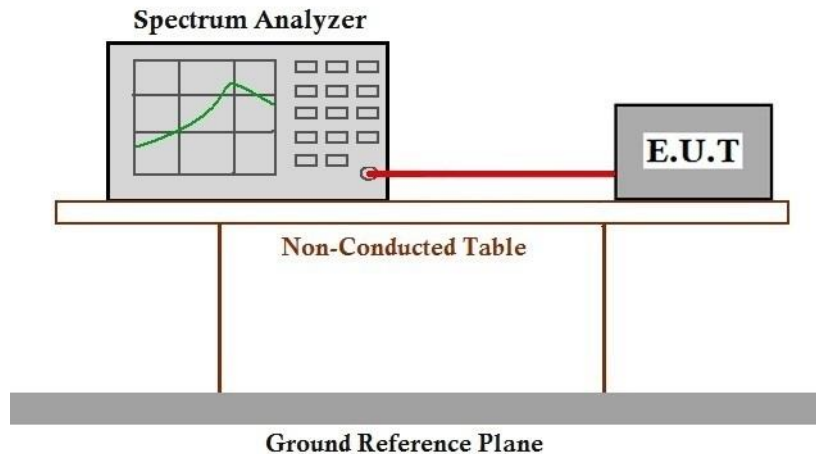
Humidity: 56 % RH

Atmospheric Pressure: 1024 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	06	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	07	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	08	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, 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: 23 °C

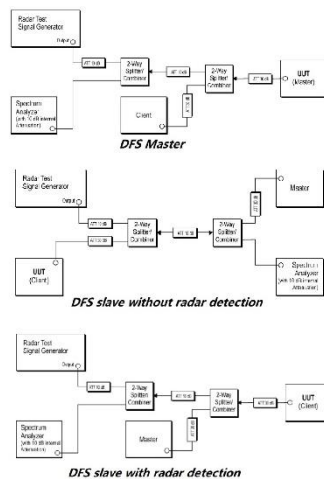
Humidity: 56 % RH

Atmospheric Pressure: 1024 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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: $C (ms) = N \times Dwell (0.3ms)$; 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

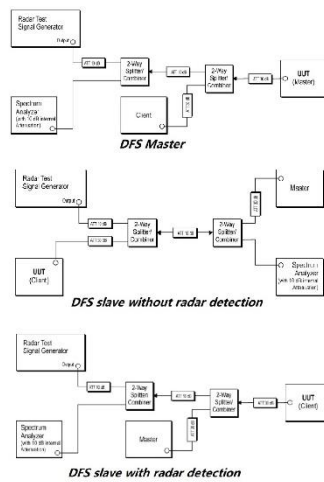
Operating Environment:

Temperature: 23 °C Humidity: 56 % RH Atmospheric Pressure: 1024 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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: $C (ms) = N \times Dwell (0.3ms)$; 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