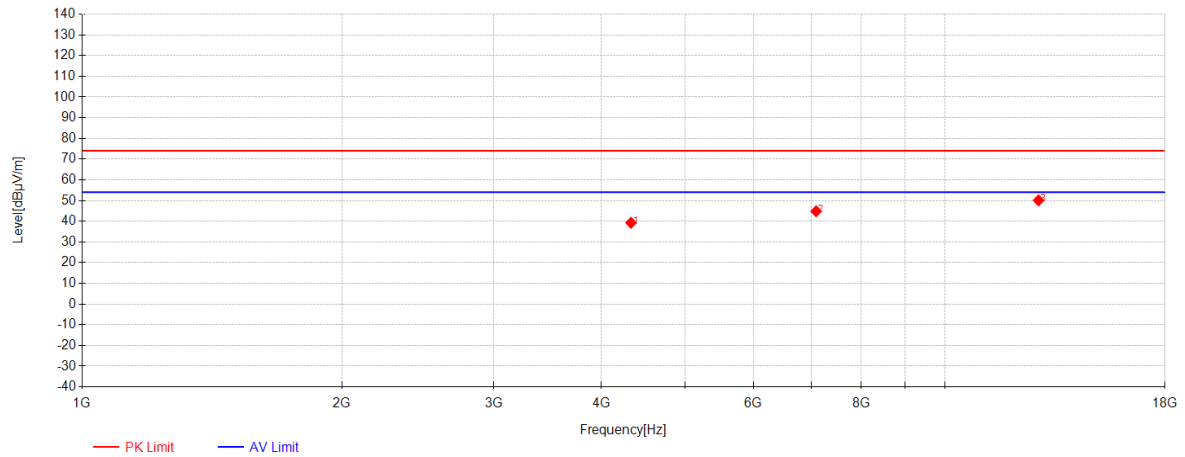
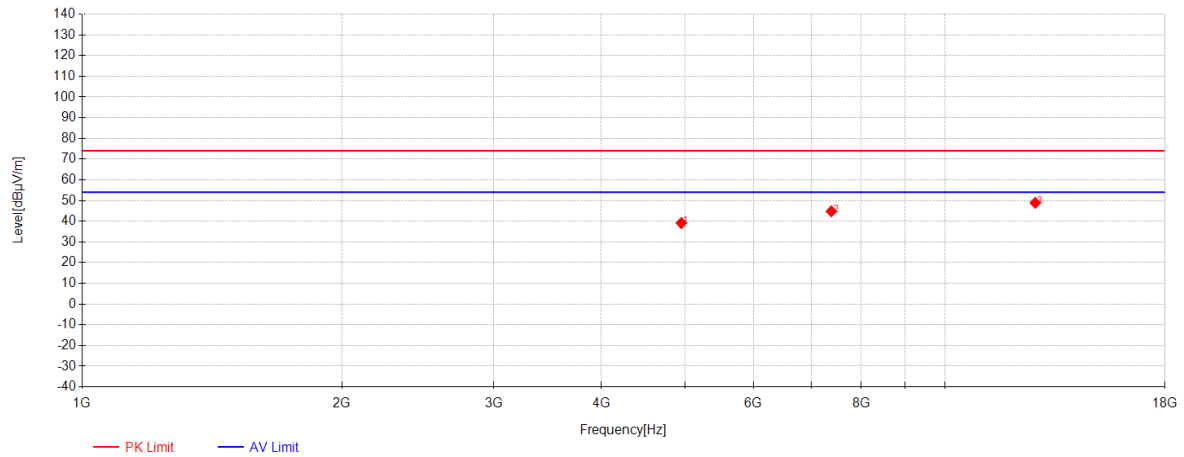


BLE_4M_TX_CH_19_Vertical



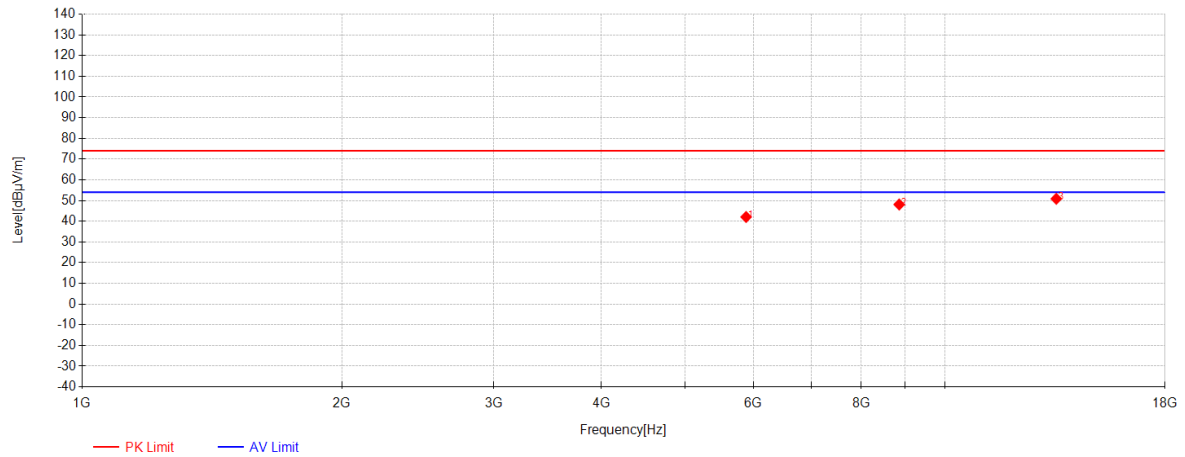
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4327.5	49.50	31.82	-42.06	39.26	74.00	34.74	Vertical
2	7092.375	46.86	36.11	-38.14	44.83	74.00	29.17	Vertical
3	12840.75	40.56	39.41	-29.89	50.08	74.00	23.92	Vertical

BLE_4M_TX_CH_37_Horizontal



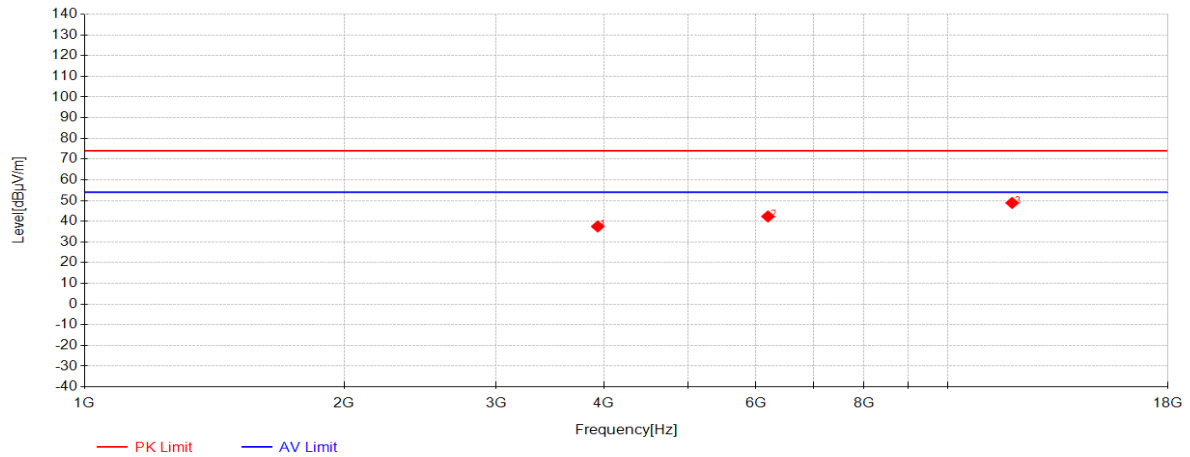
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4950	47.38	33.09	-41.34	39.13	74.00	34.87	Horizontal
2	7386.375	46.15	36.46	-37.82	44.80	74.00	29.20	Horizontal
3	12729.375	39.38	39.28	-29.77	48.88	74.00	25.12	Horizontal

BLE_4M_TX_CH_37_Vertical



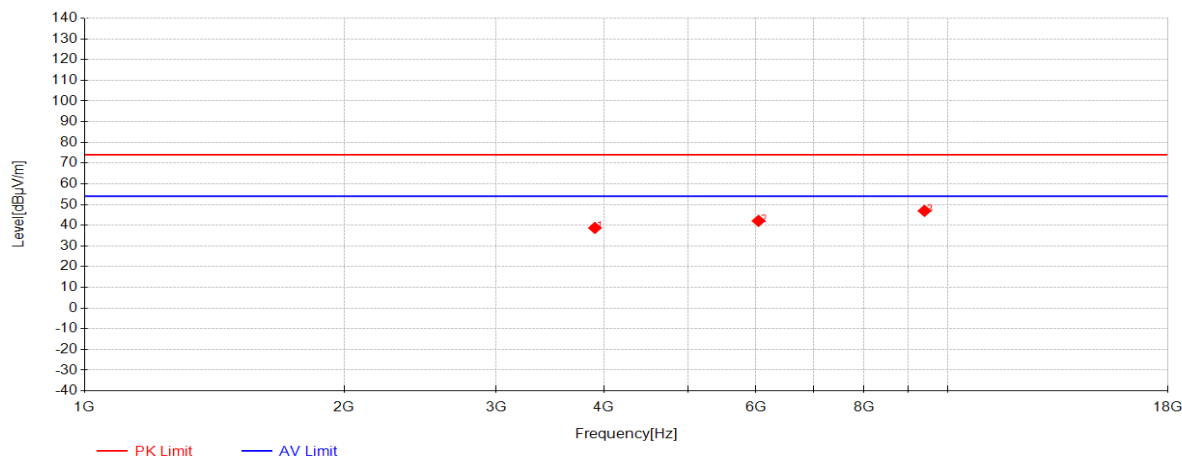
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5883.75	47.84	34.40	-40.19	42.05	74.00	31.95	Vertical
2	8853	45.51	37.53	-34.96	48.08	74.00	25.92	Vertical
3	13464	39.84	39.92	-28.92	50.84	74.00	23.16	Vertical

EDR4M_TX_CH_02_Horizontal



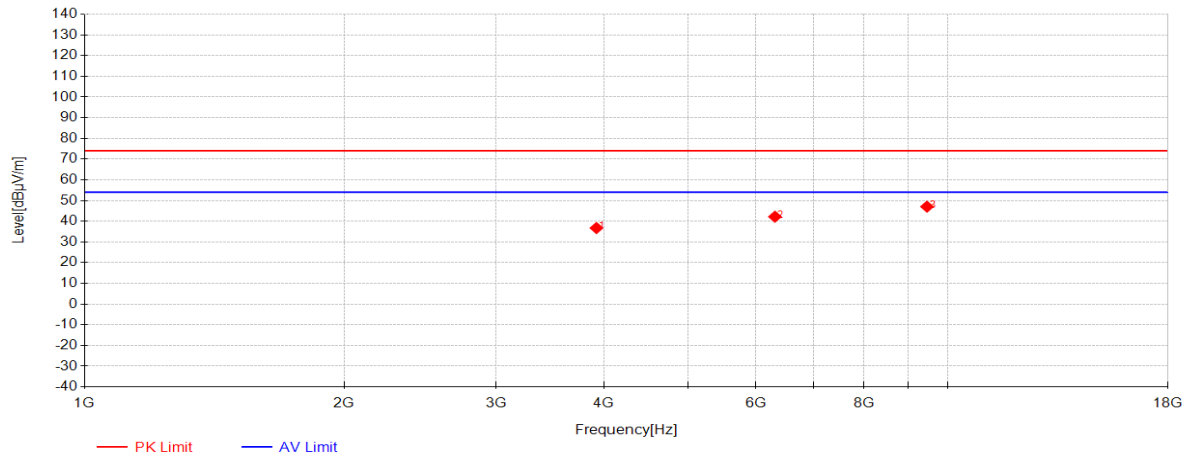
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3933.5	49.21	31.07	-42.80	37.49	74.00	36.51	Horizontal
2	6194	46.78	35.19	-39.62	42.35	74.00	31.65	Horizontal
3	11878	40.14	38.40	-29.68	48.86	74.00	25.14	Horizontal

EDR4M_TX_CH_02_Vertical



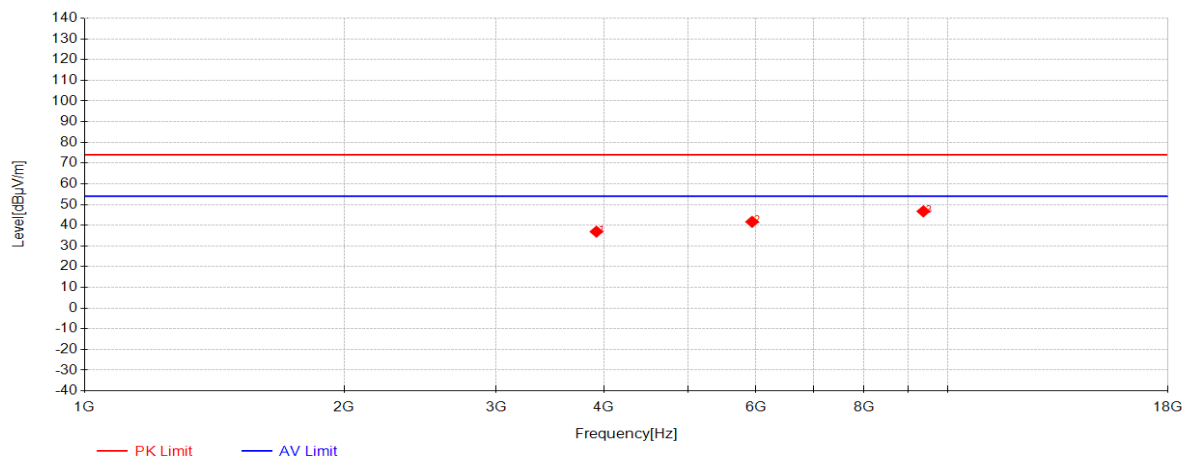
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3903.5	50.57	30.97	-42.82	38.72	74.00	35.28	Vertical
2	6039.5	47.38	34.88	-40.14	42.12	74.00	31.88	Vertical
3	9402.5	42.98	37.72	-33.75	46.95	74.00	27.05	Vertical

EDR4M_TX_CH_38_Horizontal



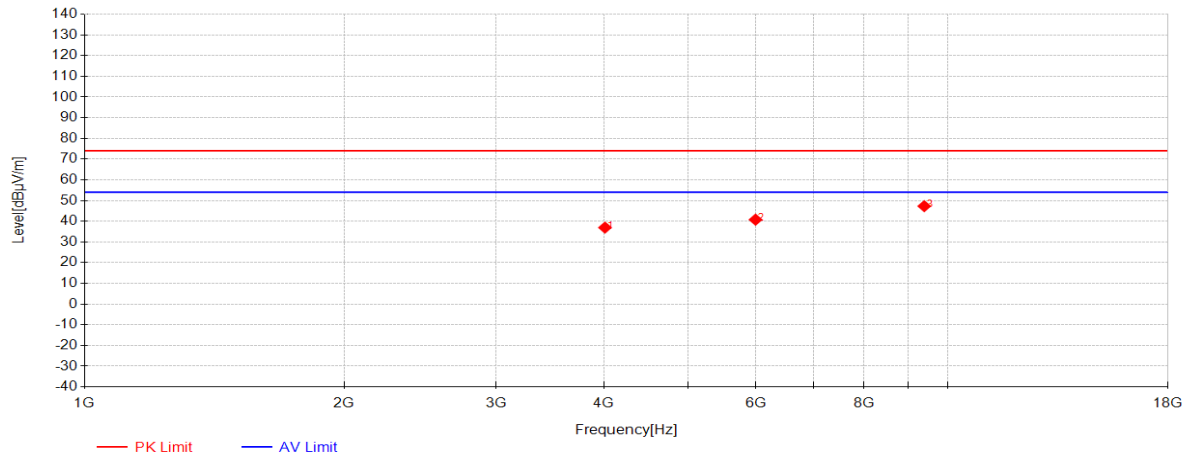
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3920	48.51	31.03	-42.81	36.73	74.00	37.27	Horizontal
2	6310.5	46.29	35.42	-39.51	42.20	74.00	31.80	Horizontal
3	9465.5	43.14	37.74	-33.84	47.04	74.00	26.96	Horizontal

EDR4M_TX_CH_38_Vertical



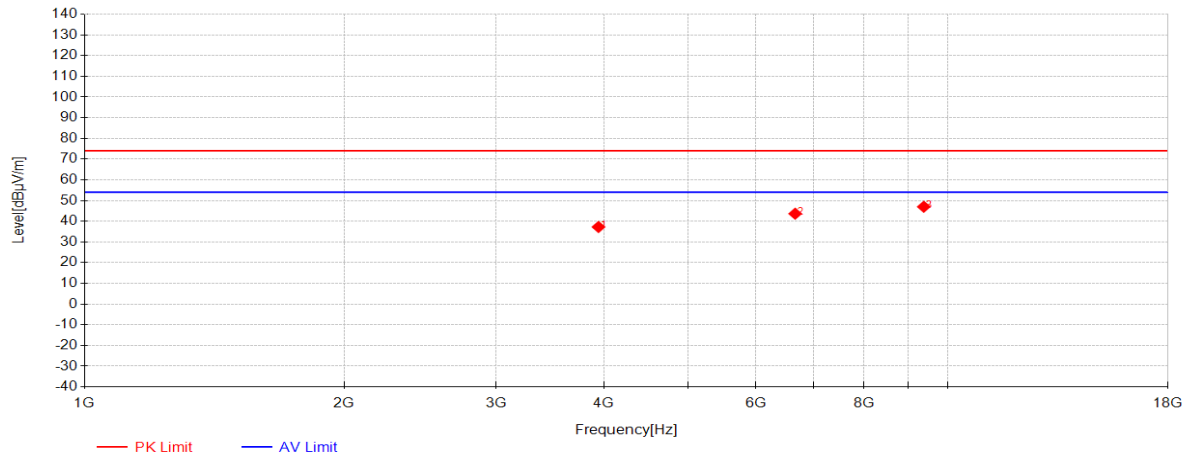
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3920	48.69	31.03	-42.81	36.91	74.00	37.09	Vertical
2	5937.5	47.29	34.59	-40.22	41.66	74.00	32.34	Vertical
3	9375	42.86	37.71	-33.85	46.72	74.00	27.28	Vertical

EDR4M_TX_CH_74_Horizontal



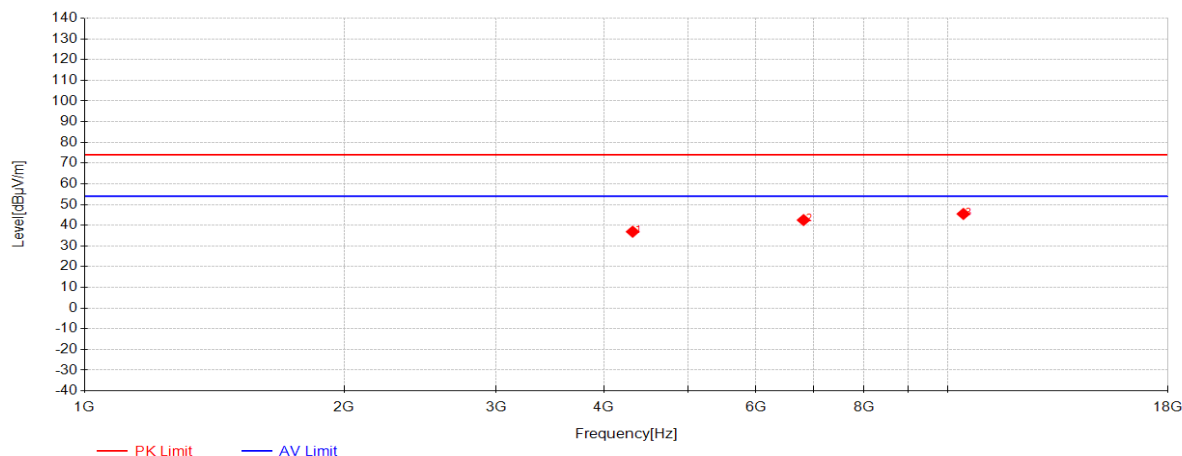
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4010.5	48.35	31.32	-42.72	36.95	74.00	37.05	Horizontal
2	5992	46.27	34.77	-40.27	40.77	74.00	33.23	Horizontal
3	9396.5	43.35	37.72	-33.76	47.30	74.00	26.70	Horizontal

EDR4M_TX_CH_74_Vertical



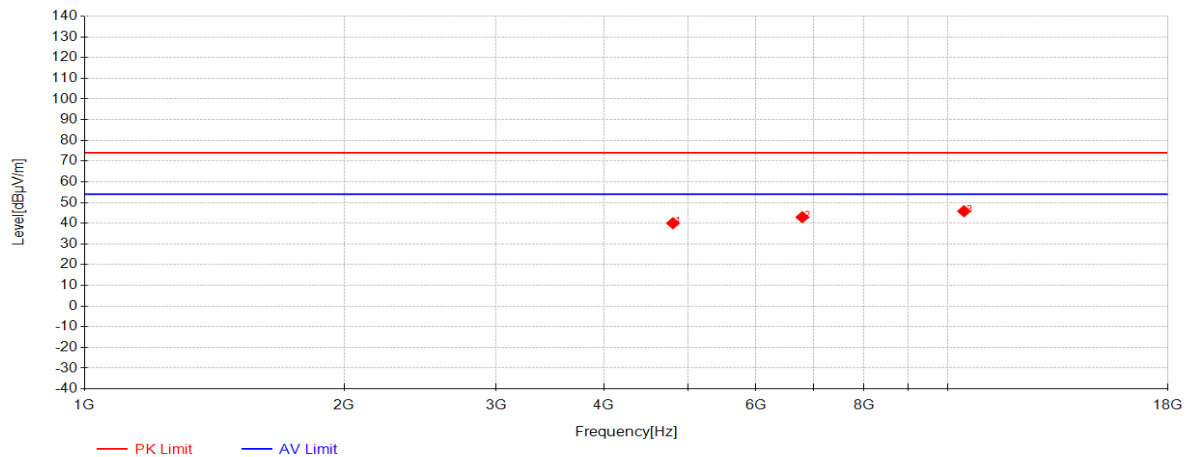
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3941.5	48.93	31.10	-42.79	37.24	74.00	36.76	Vertical
2	6660	46.64	35.86	-38.86	43.65	74.00	30.35	Vertical
3	9385	43.09	37.72	-33.81	46.99	74.00	27.01	Vertical

EDR6M_TX_CH_02_Horizontal



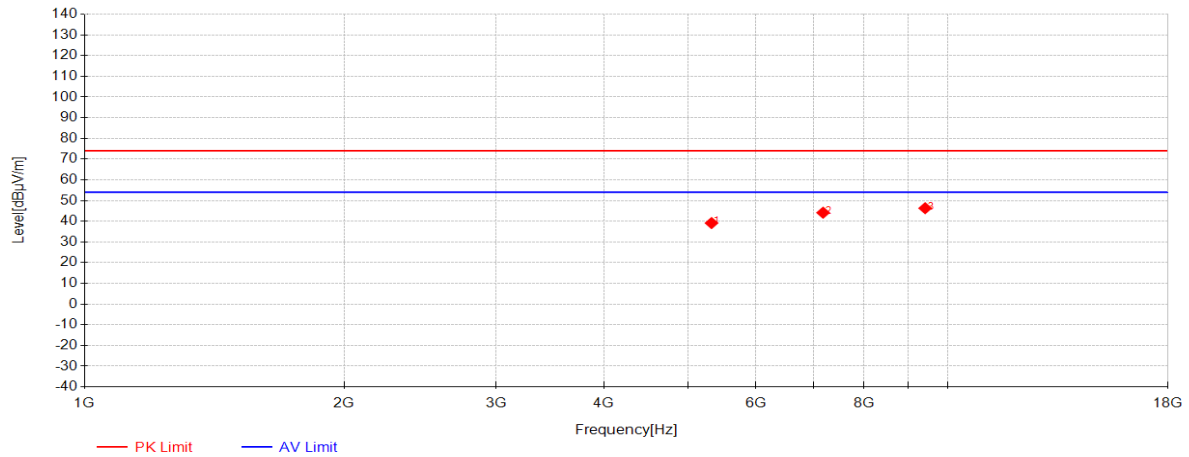
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4317.5	47.11	31.81	-42.05	36.87	74.00	37.13	Horizontal
2	6810	45.02	35.92	-38.45	42.50	74.00	31.50	Horizontal
3	10430.5	38.71	38.12	-31.36	45.46	74.00	28.54	Horizontal

EDR6M_TX_CH_02_Vertical



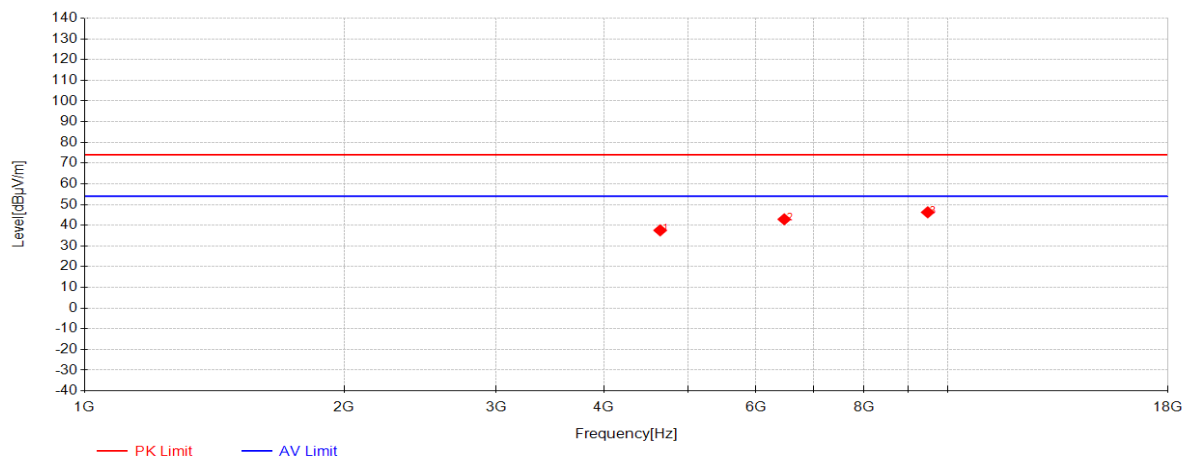
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4807	48.73	32.78	-41.48	40.03	74.00	33.97	Vertical
2	6788.5	45.50	35.92	-38.50	42.92	74.00	31.08	Vertical
3	10447	38.98	38.12	-31.32	45.79	74.00	28.21	Vertical

EDR6M_TX_CH_38_Horizontal



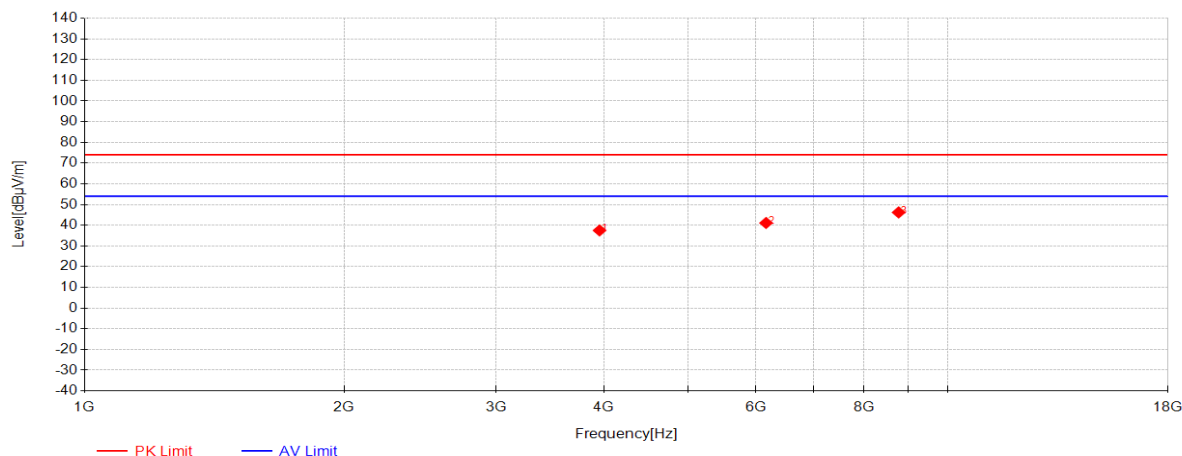
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5328.5	46.90	33.13	-40.91	39.13	74.00	34.87	Horizontal
2	7174.5	46.00	36.21	-38.08	44.13	74.00	29.87	Horizontal
3	9419	42.34	37.73	-33.77	46.29	74.00	27.71	Horizontal

EDR6M_TX_CH_38_Vertical



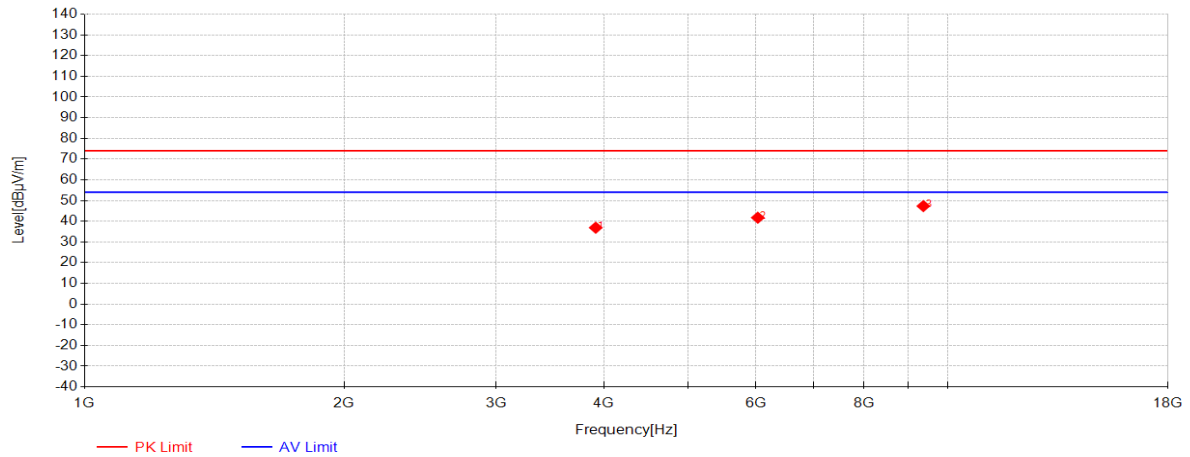
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4646	46.68	32.42	-41.56	37.54	74.00	36.46	Vertical
2	6469	46.35	35.74	-39.21	42.88	74.00	31.12	Vertical
3	9483.5	42.36	37.75	-33.86	46.25	74.00	27.75	Vertical

EDR6M_TX_CH_74_Horizontal



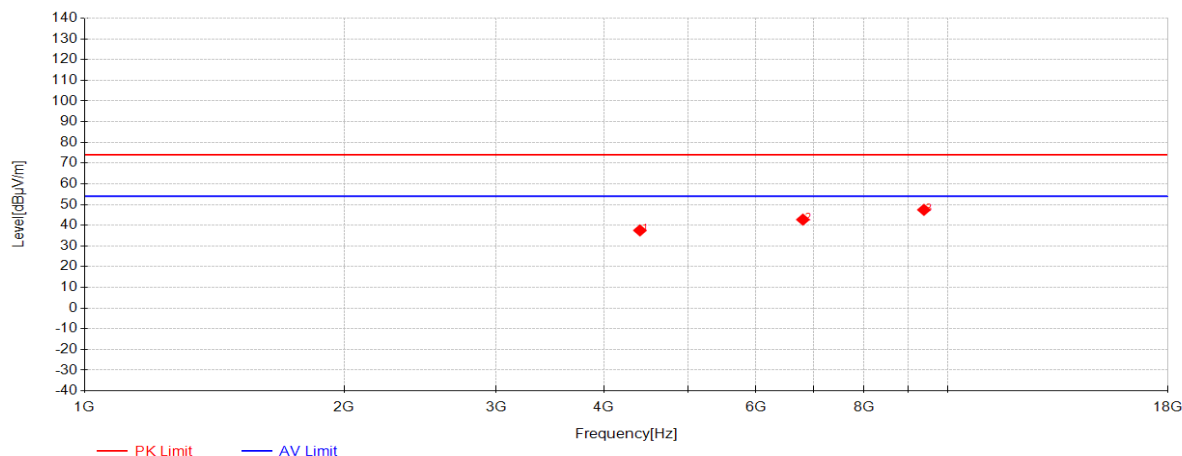
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3952.5	49.14	31.14	-42.78	37.50	74.00	36.50	Horizontal
2	6162.5	45.71	35.13	-39.72	41.11	74.00	32.89	Horizontal
3	8777	43.73	37.49	-35.02	46.20	74.00	27.80	Horizontal

EDR6M_TX_CH_74_Vertical



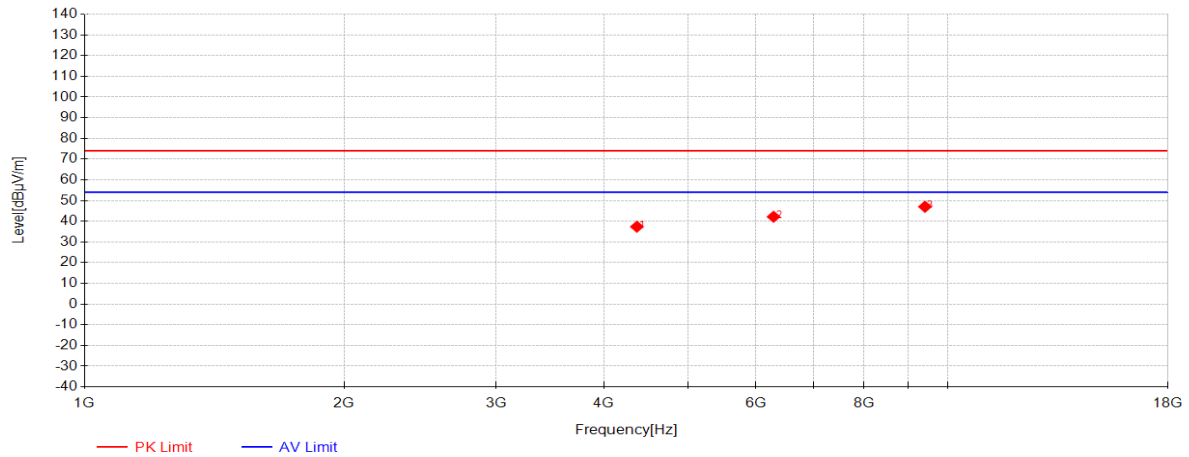
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3912.5	48.70	31.00	-42.81	36.89	74.00	37.11	Vertical
2	6028	47.03	34.86	-40.18	41.71	74.00	32.29	Vertical
3	9374.5	43.46	37.71	-33.85	47.32	74.00	26.68	Vertical

EDR8M_TX_CH_02_Horizontal



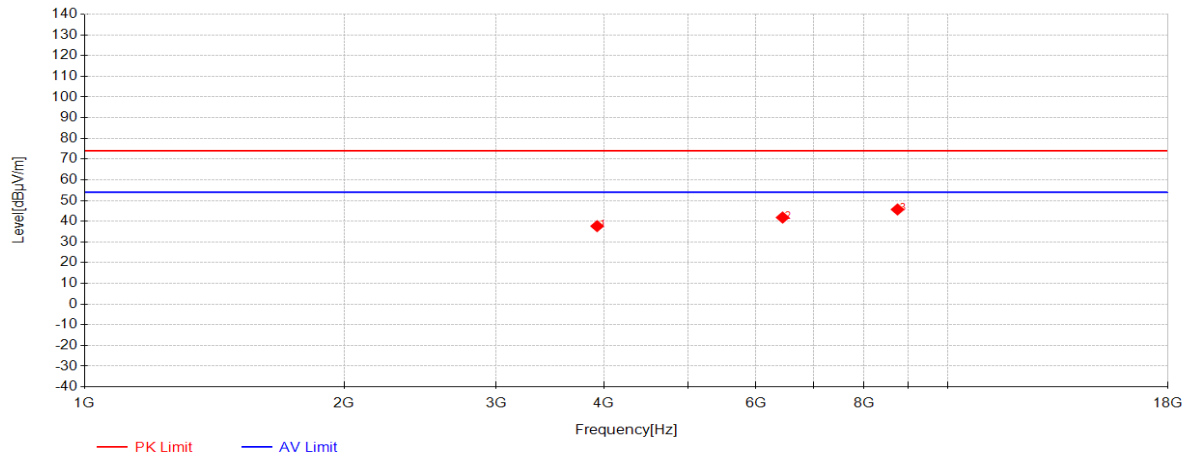
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4402	47.70	31.94	-42.15	37.50	74.00	36.50	Horizontal
2	6798.5	45.28	35.92	-38.46	42.73	74.00	31.27	Horizontal
3	9389	43.51	37.72	-33.80	47.43	74.00	26.57	Horizontal

EDR8M_TX_CH_02_Vertical



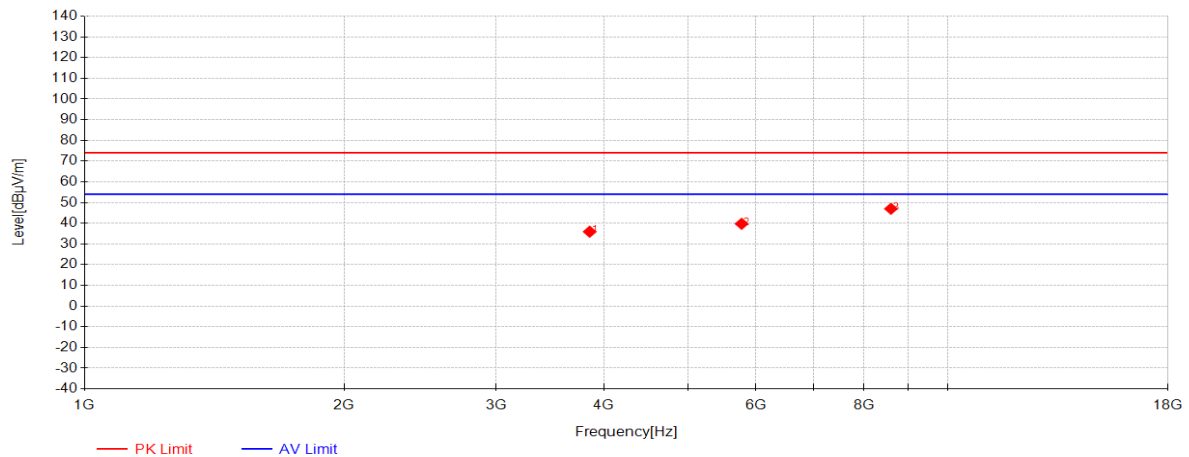
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4366.5	47.60	31.89	-42.11	37.38	74.00	36.62	Vertical
2	6287	46.36	35.37	-39.56	42.18	74.00	31.82	Vertical
3	9414.5	43.06	37.72	-33.77	47.02	74.00	26.98	Vertical

EDR8M_TX_CH_38_Horizontal



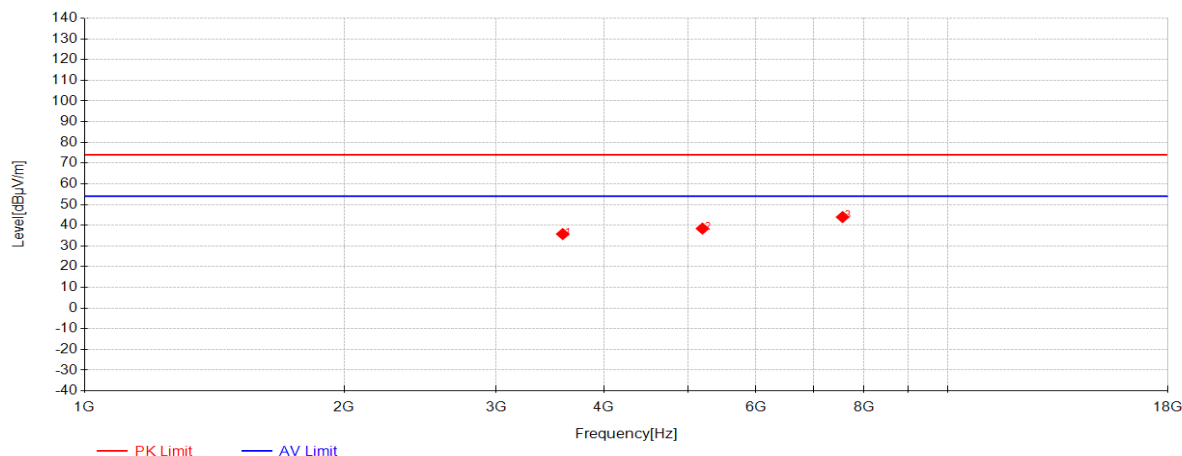
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3927	49.40	31.05	-42.80	37.65	74.00	36.35	Horizontal
2	6440.5	45.30	35.68	-39.19	41.79	74.00	32.21	Horizontal
3	8750	43.38	37.48	-35.17	45.69	74.00	28.31	Horizontal

EDR8M_TX_CH_38_Vertical



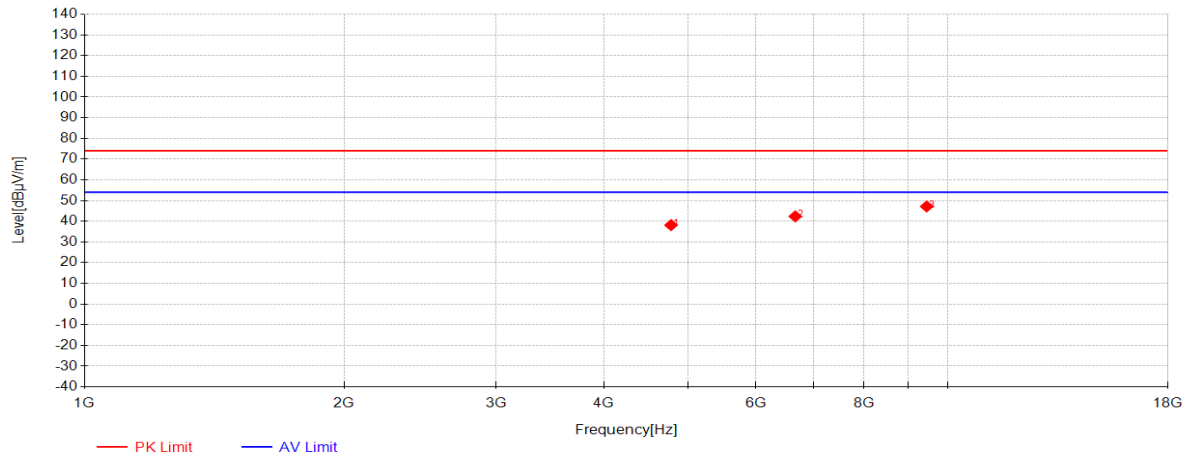
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3850	47.98	30.79	-42.86	35.91	74.00	38.09	Vertical
2	5773	46.03	34.03	-40.33	39.73	74.00	34.27	Vertical
3	8598	44.76	37.40	-35.17	46.99	74.00	27.01	Vertical

EDR8M_TX_CH_74_Horizontal



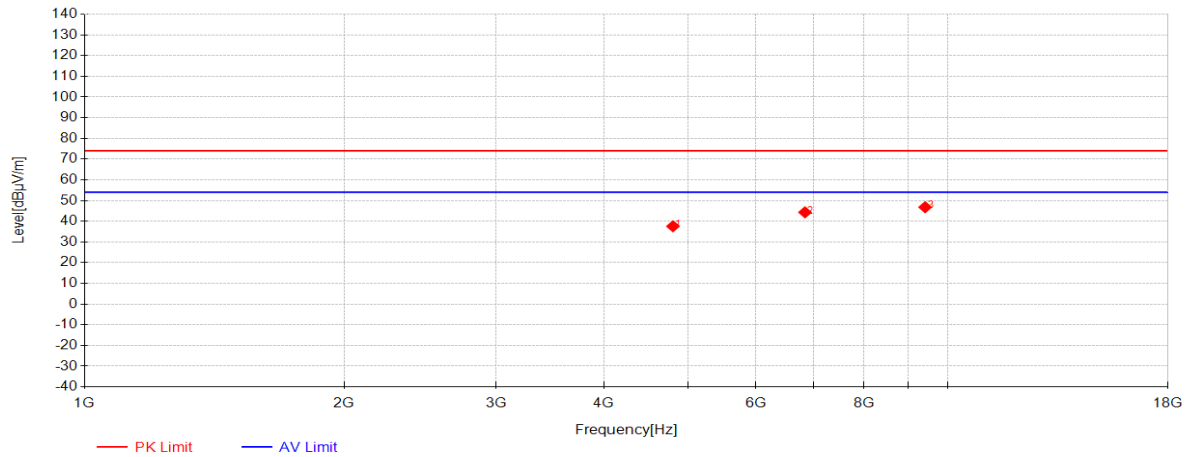
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3583	48.68	29.88	-42.81	35.75	74.00	38.25	Horizontal
2	5201	46.06	33.16	-40.81	38.41	74.00	35.59	Horizontal
3	7557.5	45.05	36.66	-37.75	43.96	74.00	30.04	Horizontal

EDR8M_TX_CH_74_Vertical



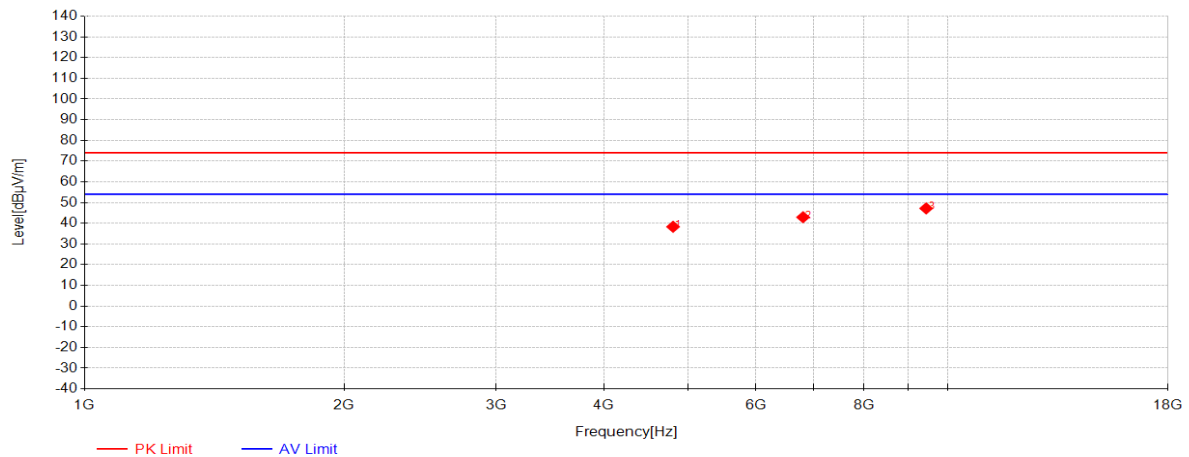
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4783	46.91	32.72	-41.50	38.13	74.00	35.87	Vertical
2	6662	45.34	35.86	-38.85	42.35	74.00	31.65	Vertical
3	9457	43.23	37.74	-33.82	47.14	74.00	26.86	Vertical

EDR12M_TX_CH_02_Horizontal



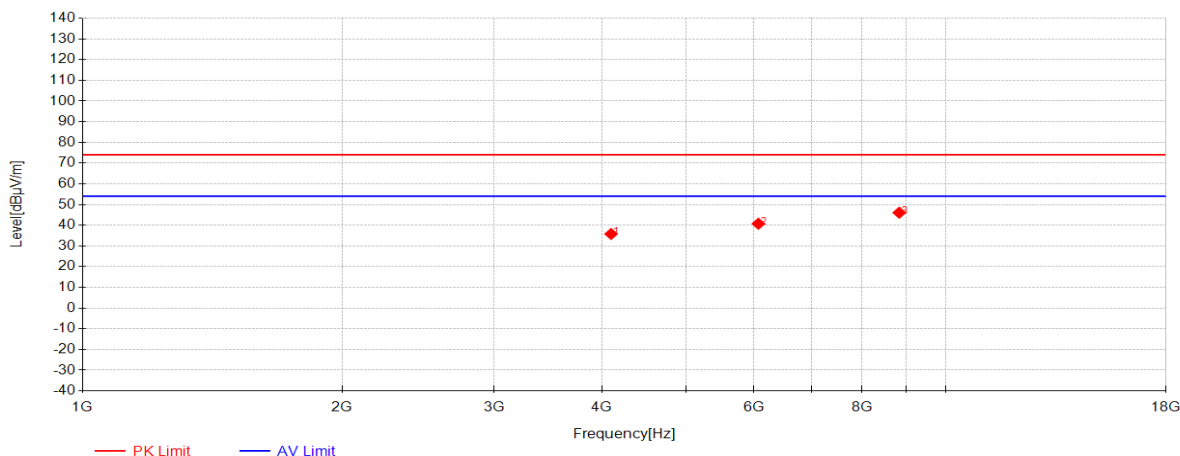
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4807.5	46.28	32.78	-41.48	37.58	74.00	36.42	Horizontal
2	6836.5	46.78	35.93	-38.41	44.30	74.00	29.70	Horizontal
3	9419	42.83	37.73	-33.77	46.78	74.00	27.22	Horizontal

EDR12M_TX_CH_02_Vertical



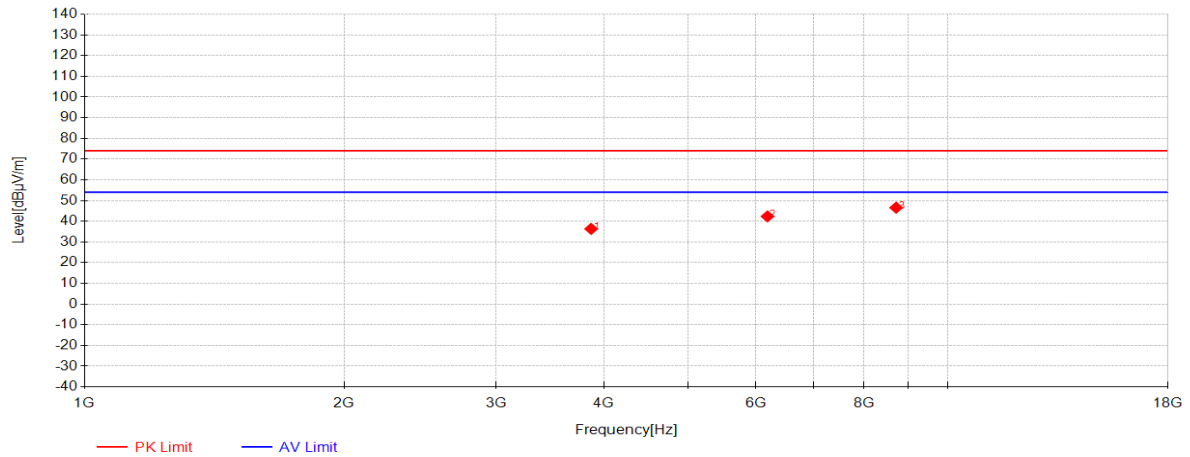
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4808.5	47.00	32.78	-41.47	38.30	74.00	35.70	Vertical
2	6801.5	45.45	35.92	-38.46	42.91	74.00	31.09	Vertical
3	9444.5	43.23	37.73	-33.81	47.16	74.00	26.84	Vertical

EDR12M_TX_CH_38_Horizontal



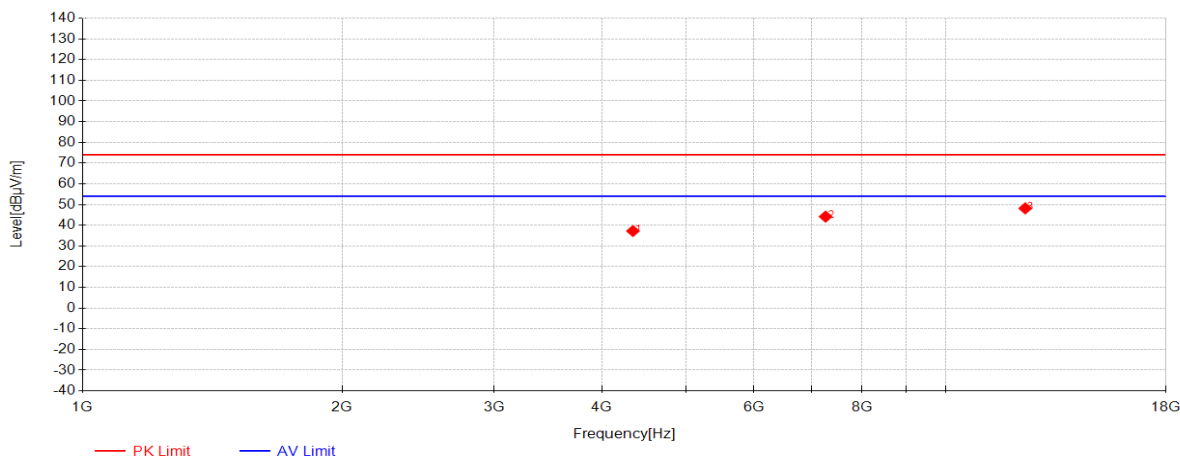
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4098	46.77	31.46	-42.44	35.79	74.00	38.21	Horizontal
2	6070	45.81	34.94	-40.03	40.72	74.00	33.28	Horizontal
3	8837.5	43.48	37.52	-34.94	46.06	74.00	27.94	Horizontal

EDR12M_TX_CH_38_Vertical



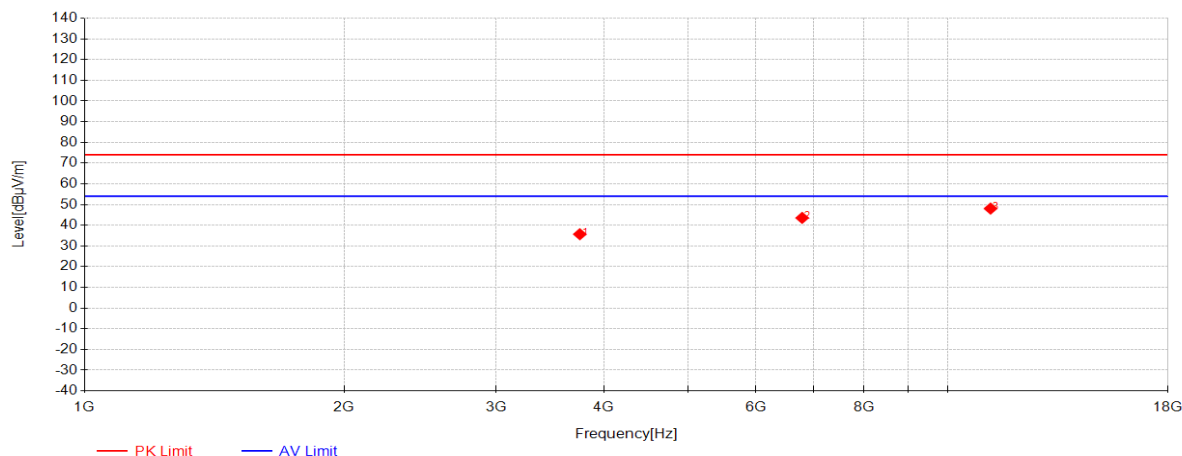
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3865	48.33	30.84	-42.85	36.32	74.00	37.68	Vertical
2	6185.5	46.83	35.17	-39.65	42.35	74.00	31.65	Vertical
3	8717.5	44.44	37.46	-35.34	46.56	74.00	27.44	Vertical

EDR12M_TX_CH_74_Horizontal



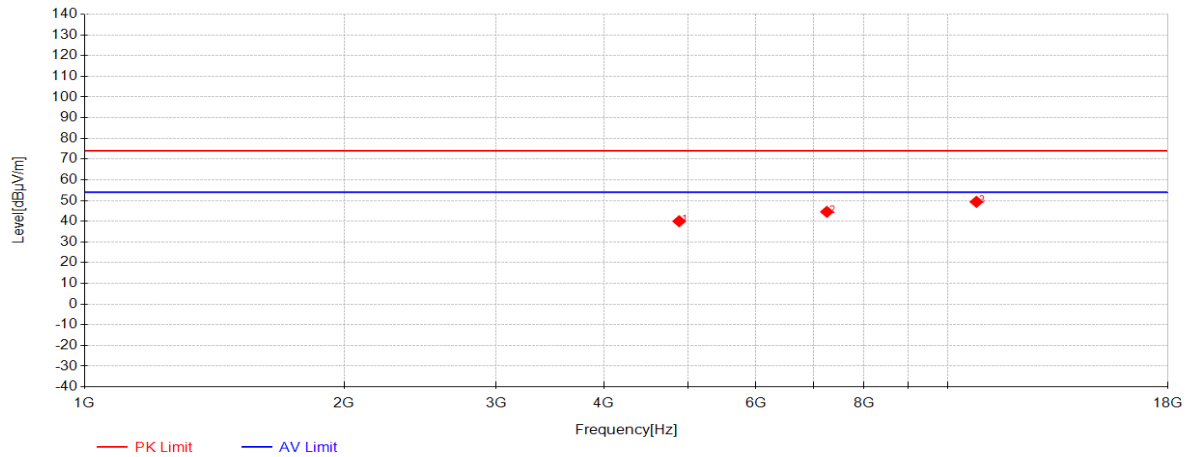
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4344	47.44	31.85	-42.08	37.21	74.00	36.79	Horizontal
2	7261.5	45.49	36.31	-37.63	44.17	74.00	29.83	Horizontal
3	12368	38.94	38.84	-29.63	48.15	74.00	25.85	Horizontal

EDR12M_TX_CH_74_Vertical



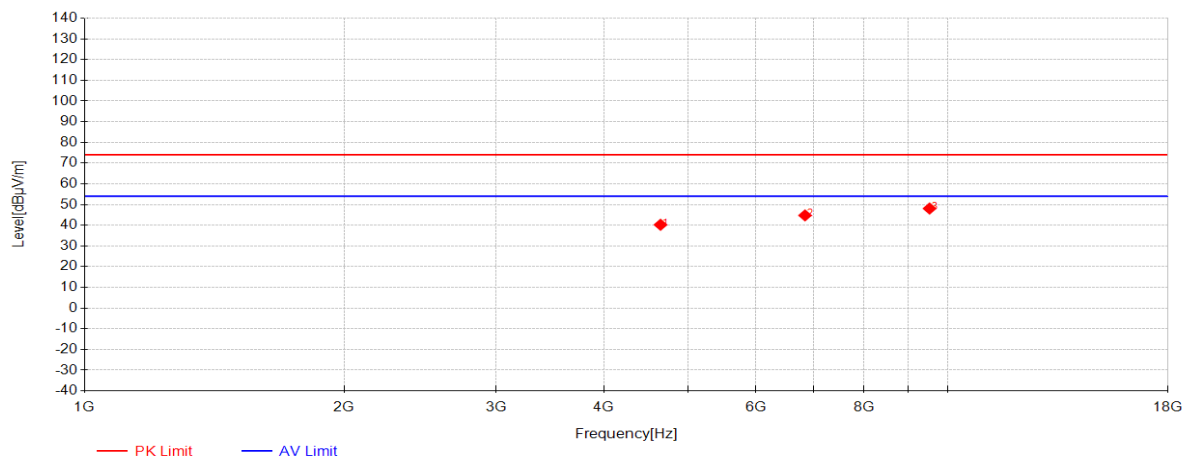
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	3750	48.19	30.45	-42.96	35.68	74.00	38.32	Vertical
2	6785	46.14	35.91	-38.51	43.55	74.00	30.45	Vertical
3	11213.5	39.86	38.40	-30.21	48.05	74.00	25.95	Vertical

mHDT4_TX_CH_02_Horizontal



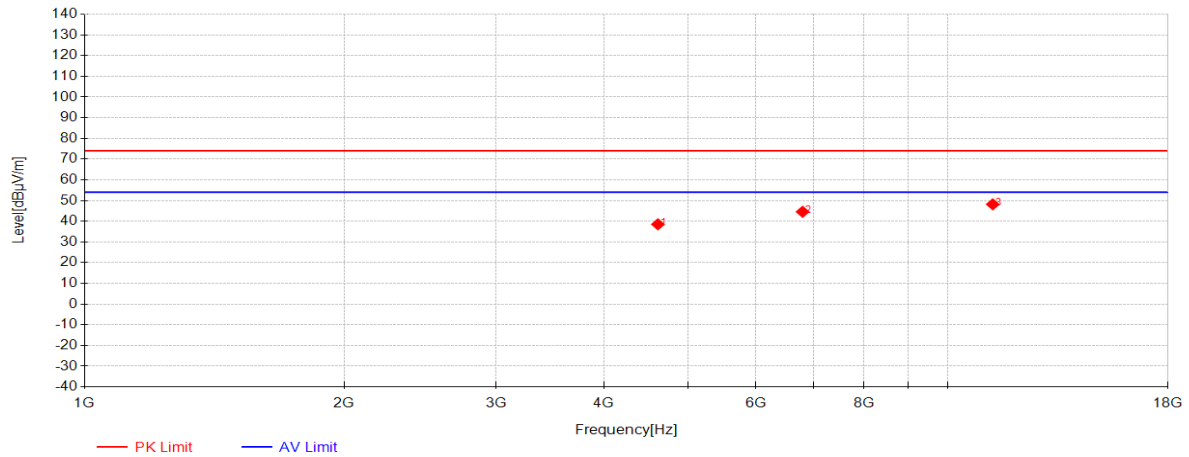
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4887.375	48.30	32.95	-41.24	40.01	74.00	33.99	Horizontal
2	7247.625	45.96	36.30	-37.73	44.53	74.00	29.47	Horizontal
3	10799.25	41.70	38.30	-30.63	49.37	74.00	24.63	Horizontal

mHDT4_TX_CH_02_Vertical



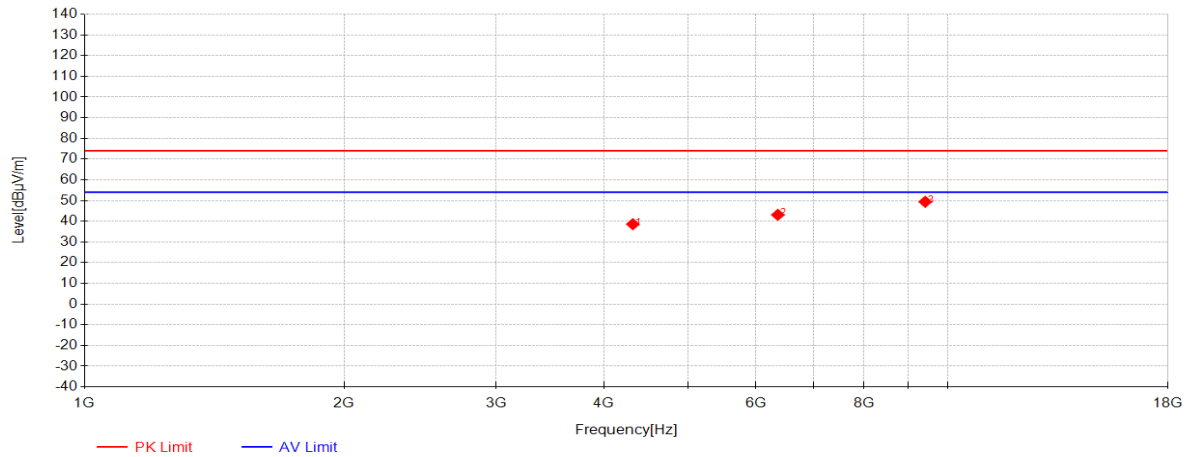
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4650.375	49.36	32.43	-41.56	40.23	74.00	33.77	Vertical
2	6837.375	47.23	35.93	-38.41	44.75	74.00	29.25	Vertical
3	9530.625	44.08	37.76	-33.76	48.08	74.00	25.92	Vertical

mHDT4_TX_CH_19_Horizontal



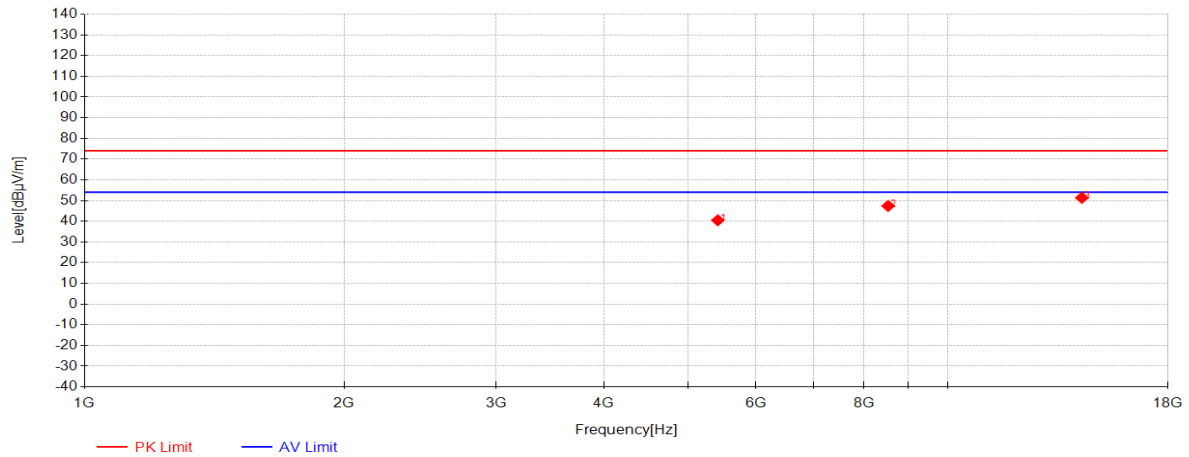
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4618.125	47.74	32.36	-41.59	38.51	74.00	35.49	Horizontal
2	6793.125	47.14	35.92	-38.48	44.58	74.00	29.42	Horizontal
3	11280	39.85	38.40	-30.09	48.16	74.00	25.84	Horizontal

mHDT4_TX_CH_19_Vertical



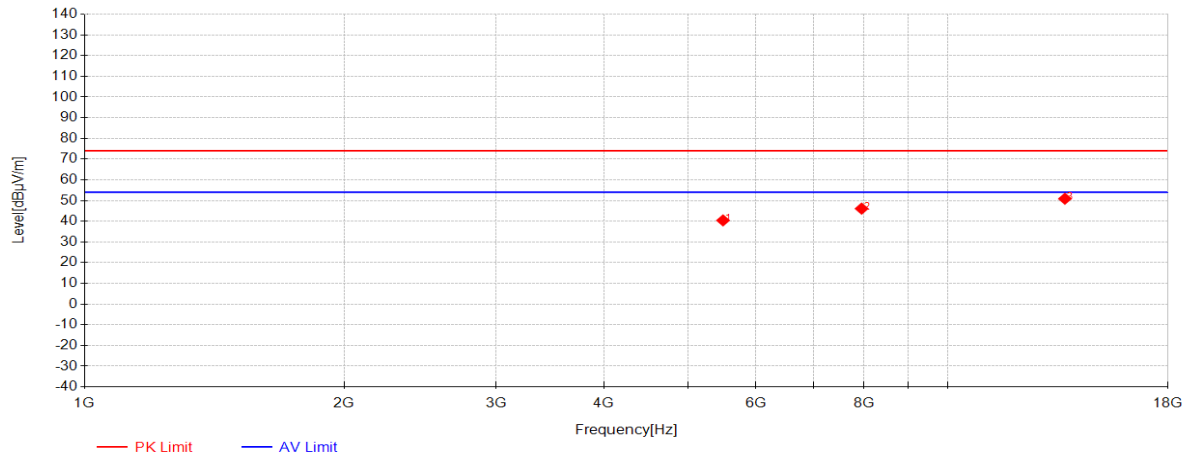
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4319.625	48.83	31.81	-42.05	38.59	74.00	35.41	Vertical
2	6358.875	46.92	35.52	-39.32	43.12	74.00	30.88	Vertical
3	9421.125	45.45	37.73	-33.78	49.40	74.00	24.60	Vertical

mHDT4_TX_CH_37_Horizontal



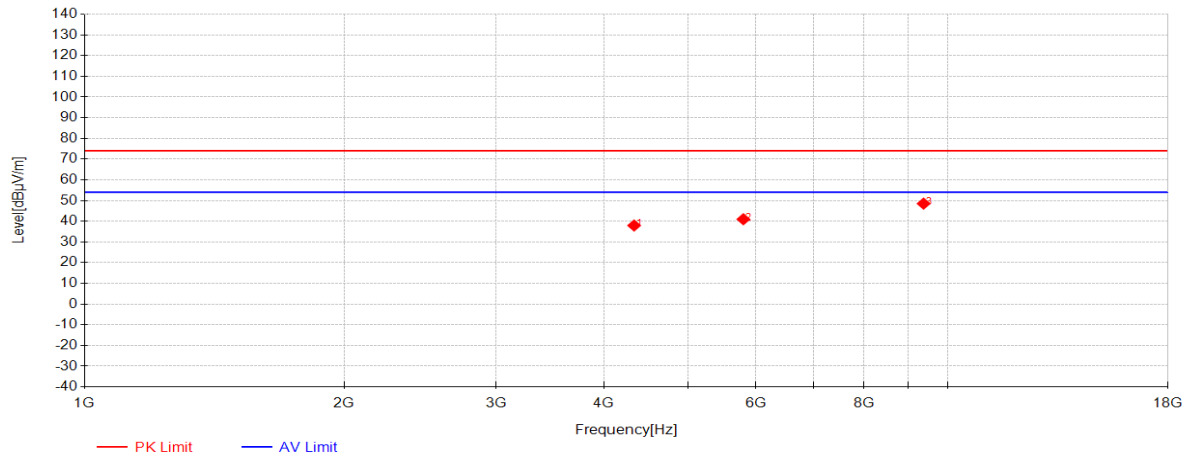
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5418.75	48.20	33.12	-40.85	40.47	74.00	33.53	Horizontal
2	8532.375	45.47	37.37	-35.44	47.39	74.00	26.61	Horizontal
3	14304.75	39.67	40.24	-28.59	51.32	74.00	22.68	Horizontal

mHDT4_TX_CH_37_Vertical



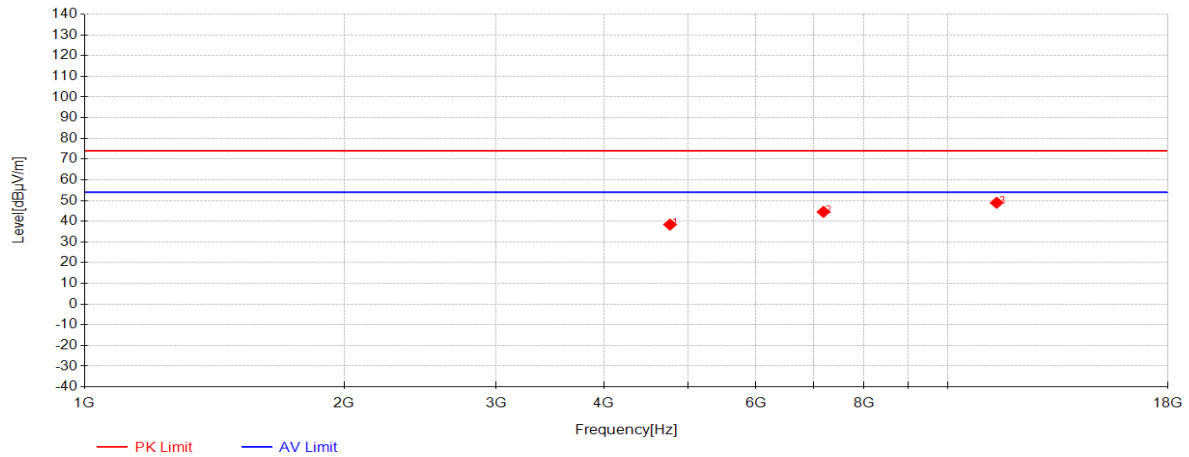
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5494.125	47.95	33.10	-40.63	40.42	74.00	33.58	Vertical
2	7951.125	45.64	37.05	-36.60	46.09	74.00	27.91	Vertical
3	13673.625	39.84	40.07	-29.03	50.88	74.00	23.12	Vertical

mHDT8_TX_CH_02_Horizontal



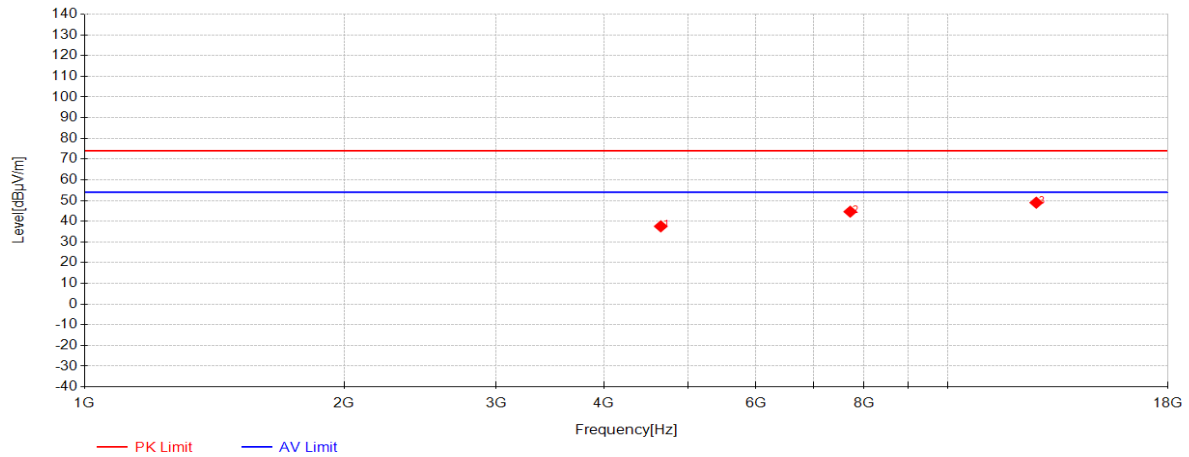
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4333.875	48.19	31.83	-42.07	37.95	74.00	36.05	Horizontal
2	5800.125	47.12	34.12	-40.27	40.97	74.00	33.03	Horizontal
3	9379.5	44.62	37.71	-33.83	48.50	74.00	25.50	Horizontal

mHDT8_TX_CH_02_Vertical



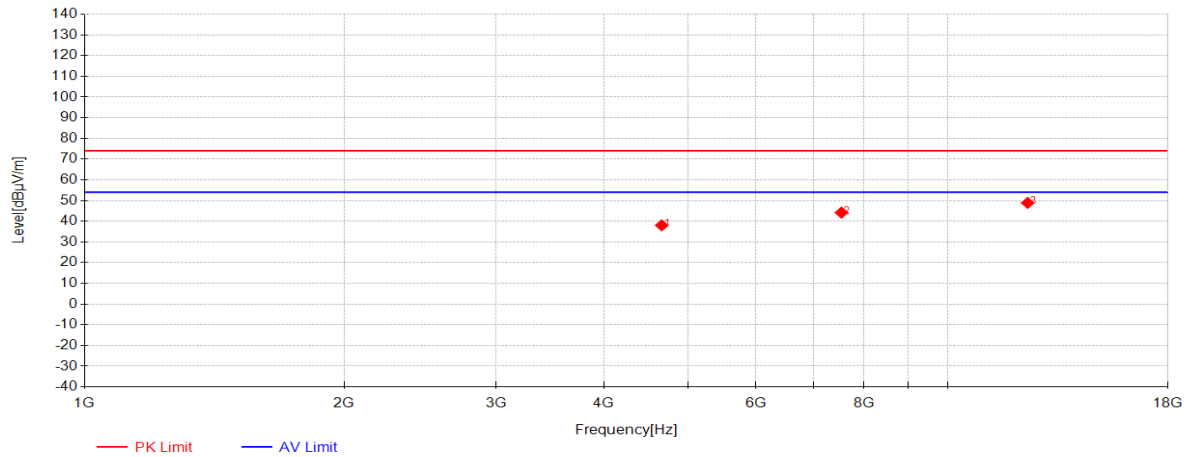
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4769.25	47.19	32.69	-41.50	38.38	74.00	35.62	Vertical
2	7182	46.39	36.22	-38.07	44.54	74.00	29.46	Vertical
3	11398.5	40.88	38.40	-30.36	48.92	74.00	25.08	Vertical

mHDT8_TX_CH_19_Horizontal



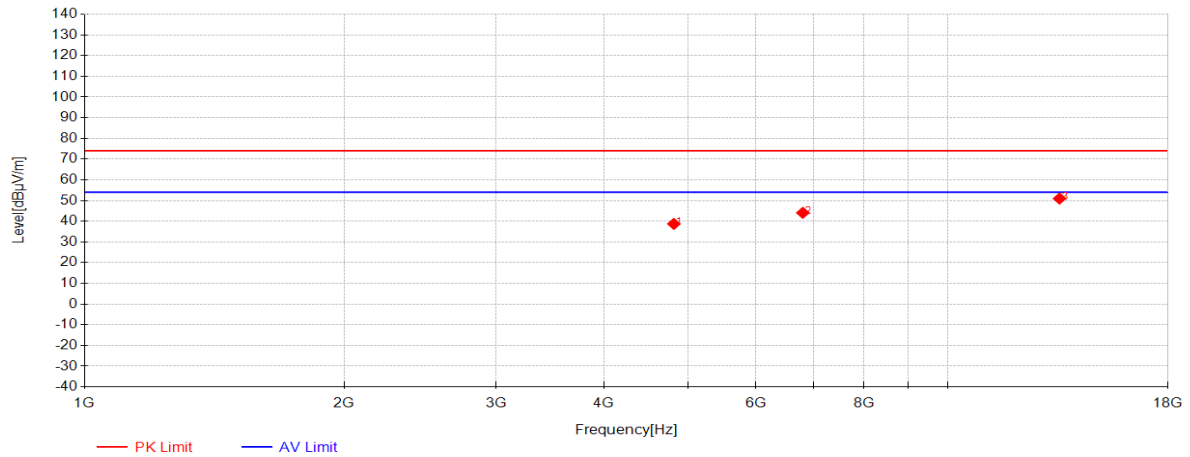
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4654.125	46.66	32.44	-41.56	37.54	74.00	36.46	Horizontal
2	7713	45.08	36.81	-37.27	44.63	74.00	29.37	Horizontal
3	12668.625	39.44	39.20	-29.68	48.96	74.00	25.04	Horizontal

mHDT8_TX_CH_19_Veritical



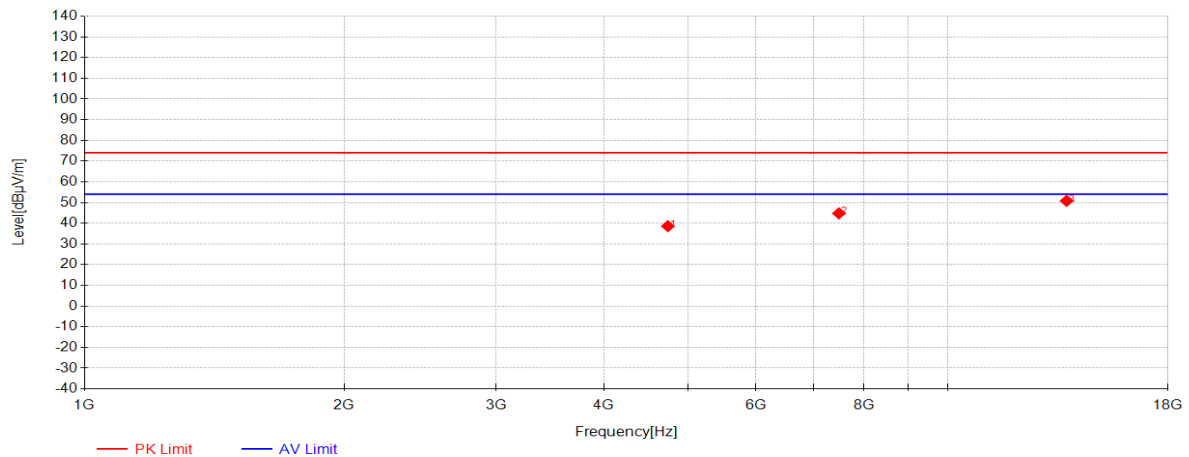
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4665.375	47.11	32.46	-41.54	38.03	74.00	35.97	Vertical
2	7534.125	45.31	36.63	-37.76	44.18	74.00	29.82	Vertical
3	12381	39.58	38.86	-29.57	48.87	74.00	25.13	Vertical

mHDT8_TX_CH_37_Horizontal



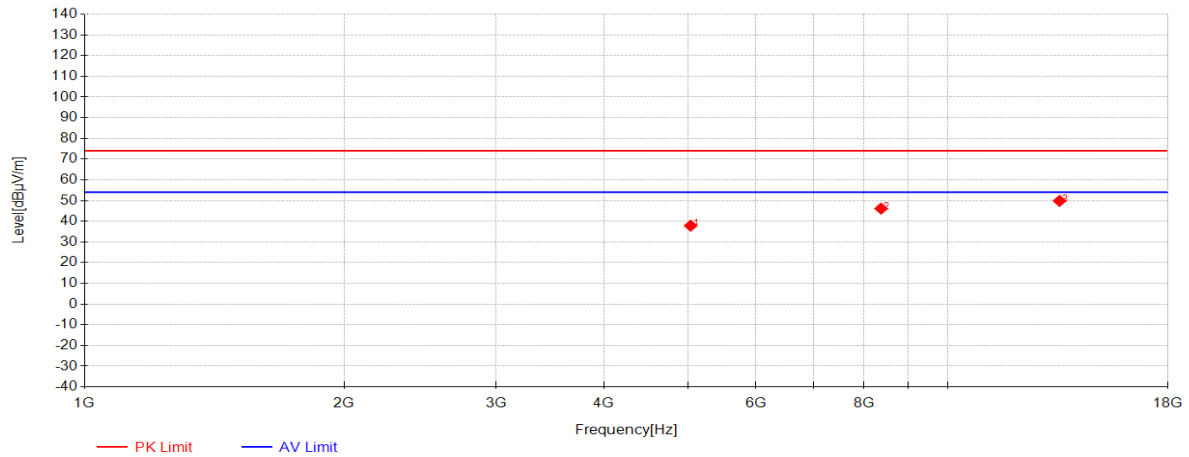
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4818.375	47.36	32.80	-41.44	38.72	74.00	35.28	Horizontal
2	6796.875	46.62	35.92	-38.47	44.07	74.00	29.93	Horizontal
3	13479.75	39.73	39.94	-28.72	50.95	74.00	23.05	Horizontal

mHDT8_TX_CH_37_Veritical



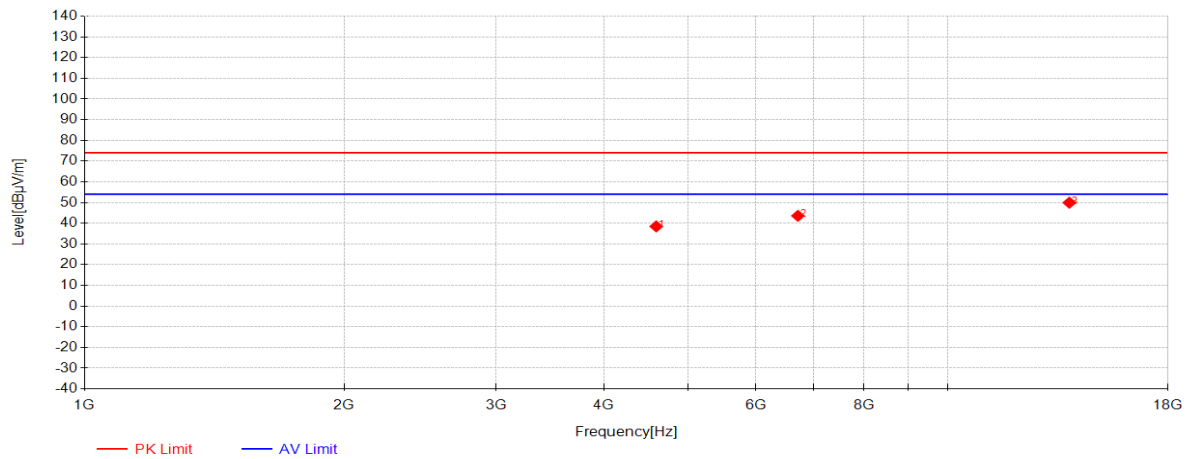
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4742.625	47.46	32.63	-41.51	38.59	74.00	35.41	Vertical
2	7484.25	45.99	36.58	-37.80	44.77	74.00	29.23	Vertical
3	13734	39.73	40.11	-29.05	50.79	74.00	23.21	Vertical

mHDT12_TX_CH_02_Horizontal



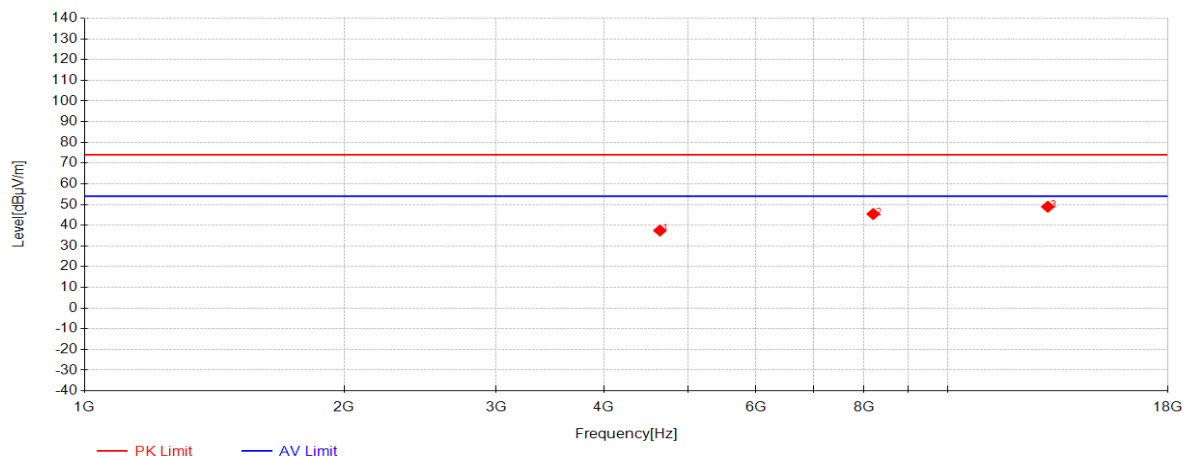
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5039.625	46.06	33.19	-41.39	37.86	74.00	36.14	Horizontal
2	8374.5	44.50	37.29	-35.68	46.11	74.00	27.89	Horizontal
3	13480.125	38.63	39.94	-28.71	49.85	74.00	24.15	Horizontal

mHDT12_TX_CH_02_Vertical



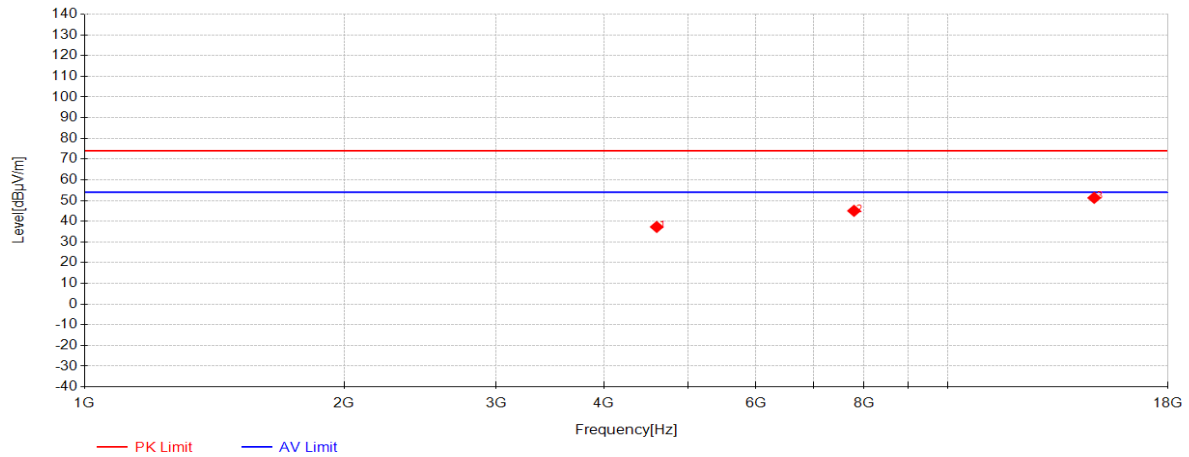
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4597.5	47.77	32.31	-41.62	38.46	74.00	35.54	Vertical
2	6708.75	46.44	35.88	-38.74	43.58	74.00	30.42	Vertical
3	13836.375	39.06	40.19	-29.31	49.94	74.00	24.06	Vertical

mHDT12_TX_CH_19_Horizontal



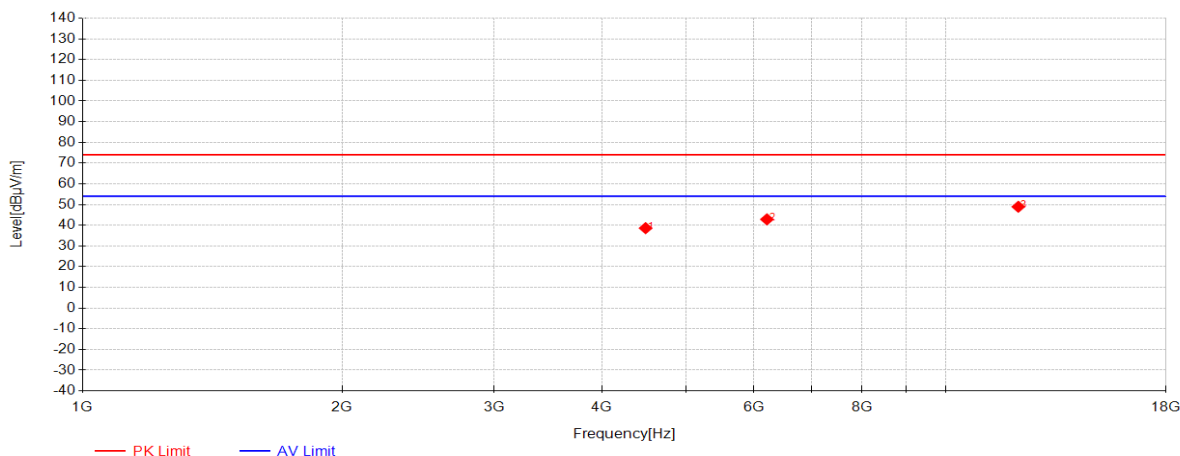
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4643.625	46.60	32.42	-41.57	37.45	74.00	36.55	Horizontal
2	8201.25	44.21	37.20	-35.98	45.43	74.00	28.57	Horizontal
3	13065.375	38.74	39.65	-29.44	48.94	74.00	25.06	Horizontal

mHDT12_TX_CH_37_Horizontal



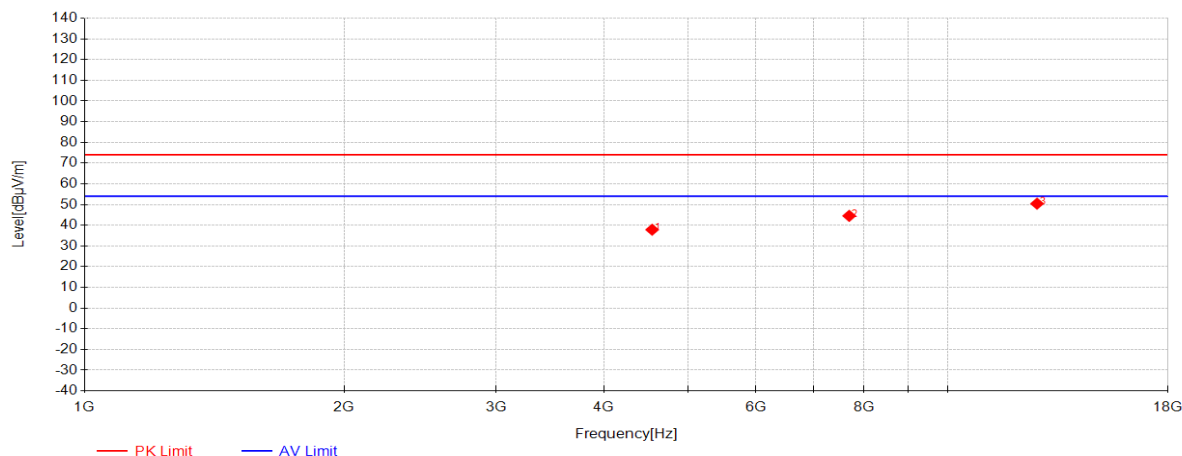
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4603.125	46.52	32.33	-41.61	37.24	74.00	36.76	Horizontal
2	7791	44.96	36.89	-36.82	45.03	74.00	28.97	Horizontal
3	14785.125	38.57	40.14	-27.40	51.31	74.00	22.69	Horizontal

mHDT12_TX_CH_19_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4492.875	48.56	32.09	-42.05	38.60	74.00	35.40	Vertical
2	6210	47.22	35.22	-39.60	42.84	74.00	31.16	Vertical
3	12141	39.80	38.57	-29.45	48.92	74.00	25.08	Vertical

mHDT12_TX_CH_37_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4547.625	47.47	32.20	-41.84	37.84	74.00	36.16	Vertical
2	7692	45.11	36.79	-37.37	44.53	74.00	29.47	Vertical
3	12694.125	40.94	39.23	-29.75	50.43	74.00	23.57	Vertical

7.5 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2020) Section 11.9.1

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

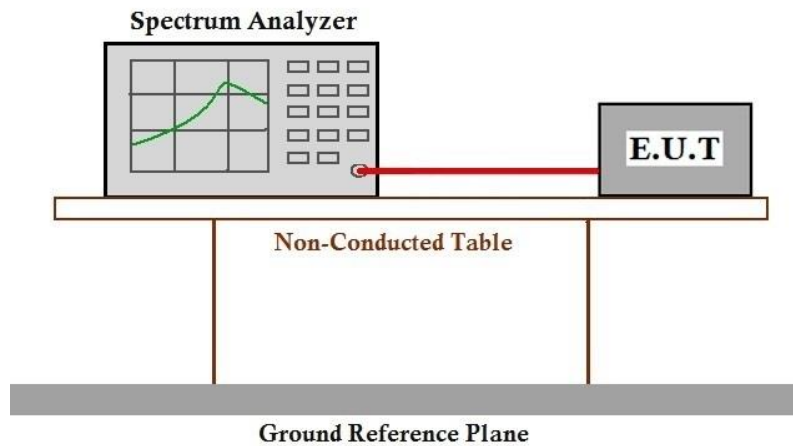
Humidity: 58 % RH

Atmospheric Pressure: 101 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	04	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	21	TX mode(BLE 4M)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	22	TX mode(mHDT)_Keep the EUT in continuously transmitting mode with all modulation.
Final test	23	TX mode(EDR 4M/6M/8M/12M)_Keep the EUT in continuously transmitting mode with all modulation.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details

7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)

Test Method: ANSI C63.10 (2020) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

Humidity: 56 % RH

Atmospheric Pressure: 101 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	04	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	21	TX mode(BLE 4M)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	22	TX mode(mHDT)_Keep the EUT in continuously transmitting mode with all modulation.
Final test	23	TX mode(EDR 4M/6M/8M/12M)_Keep the EUT in continuously transmitting mode with all modulation.

7.6.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)

Test Method: ANSI C63.10 (2020) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

Humidity: 56 % RH

Atmospheric Pressure: 101 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	04	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	21	TX mode(BLE 4M)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	22	TX mode(mHDT)_Keep the EUT in continuously transmitting mode with all modulation.
Final test	23	TX mode(EDR 4M/6M/8M/12M)_Keep the EUT in continuously transmitting mode with all modulation.

7.7.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 6.10.4

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

Humidity: 56 % RH

Atmospheric Pressure: 101 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	04	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	21	TX mode(BLE 4M)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	22	TX mode(mHDT)_Keep the EUT in continuously transmitting mode with all modulation.
Final test	23	TX mode(EDR 4M/6M/8M/12M)_Keep the EUT in continuously transmitting mode with all modulation.

7.8.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 56 % RH

Atmospheric Pressure: 101 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	04	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	21	TX mode(BLE 4M)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	22	TX mode(mHDT)_Keep the EUT in continuously transmitting mode with all modulation.
Final test	23	TX mode(EDR 4M/6M/8M/12M)_Keep the EUT in continuously transmitting mode with all modulation.

7.9.3 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2507000669WM

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2507000669WM

10 Appendix

BLE 1M&2M:

1. Duty Cycle

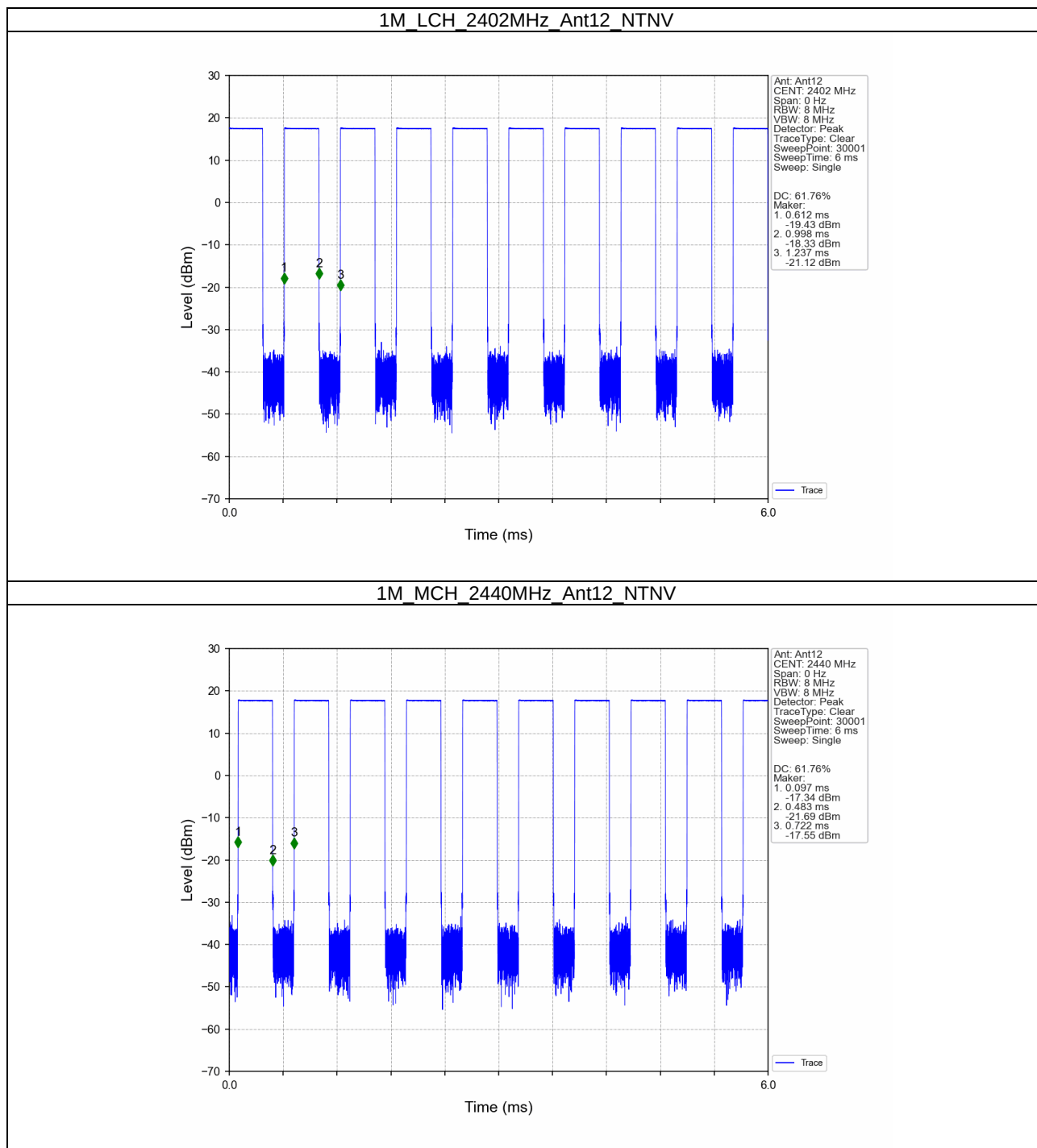
1.1 Test Result

1.1.1 Ant12

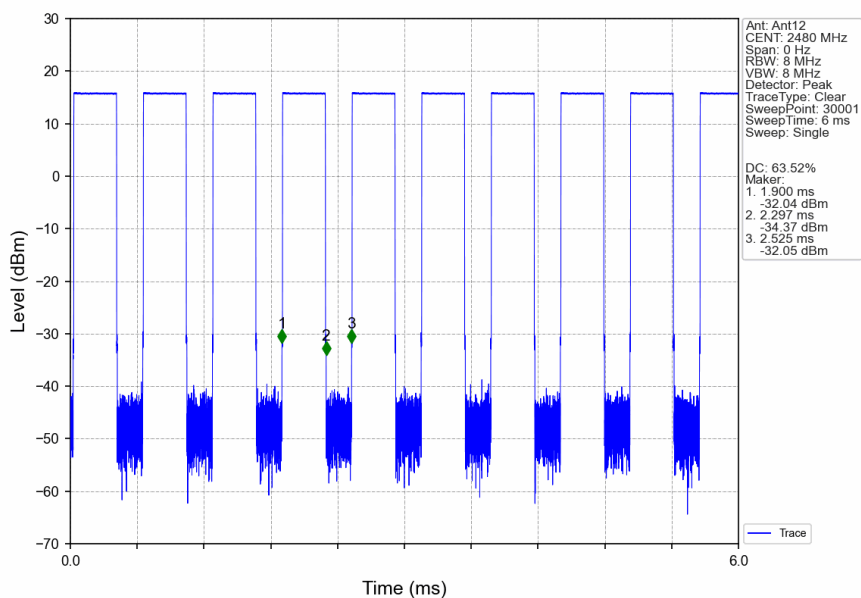
Ant12							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	MIMO	2402	0.386	0.625	61.76	2.09	0.00
		2440	0.386	0.625	61.76	2.09	0.00
		2480	0.397	0.625	63.52	1.97	0.03
2M	MIMO	2404	0.202	0.625	32.32	4.91	0.00
		2440	0.202	0.625	32.32	4.91	0.00
		2478	0.215	0.625	34.40	4.63	0.02

1.2 Test Graph

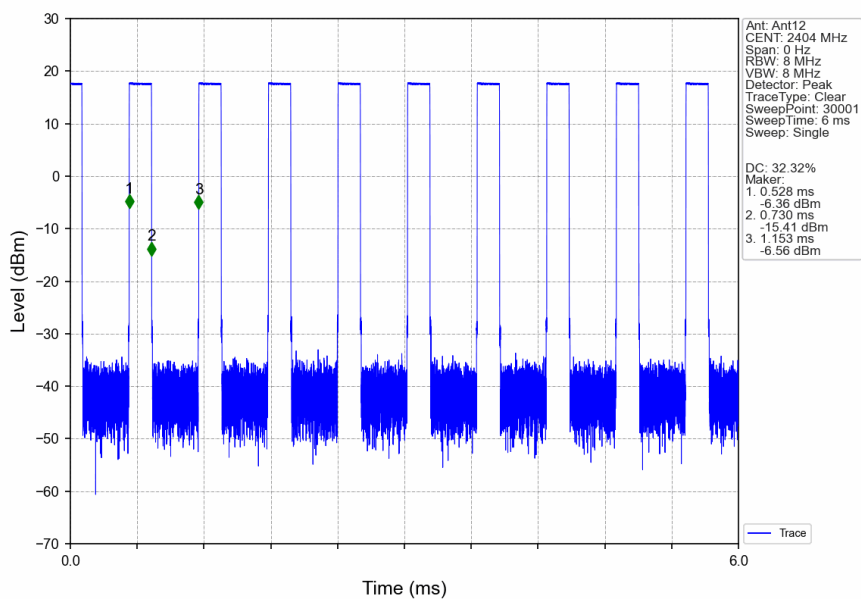
1.2.1 Ant12



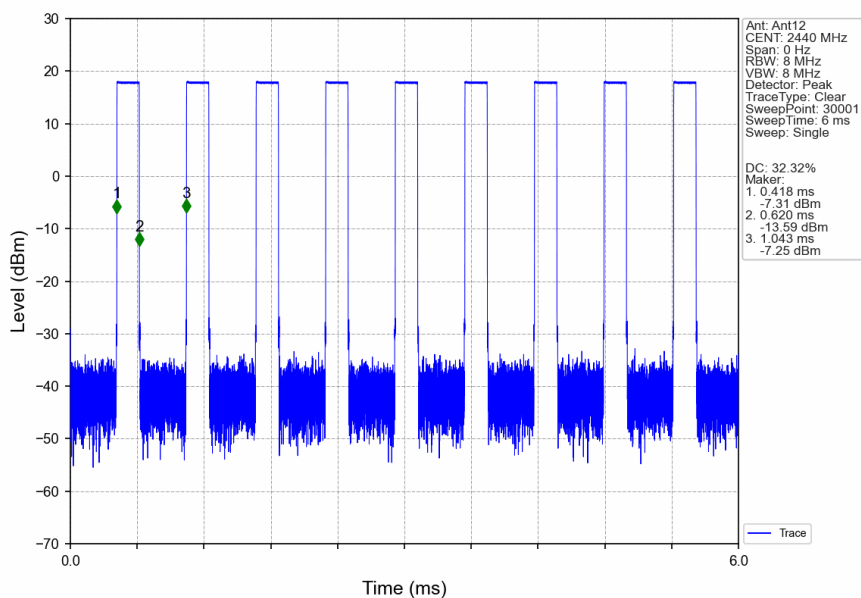
1M_HCH_2480MHz_Ant12_NTNV



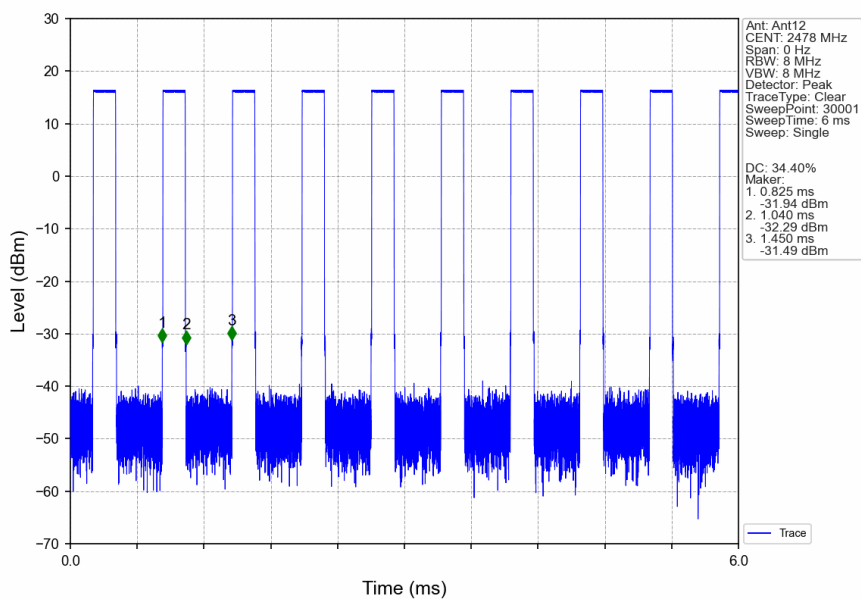
2M_LCH_2404MHz_Ant12_NTNV



2M_MCH_2440MHz_Ant12_NTNV



2M_HCH_2478MHz_Ant12_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

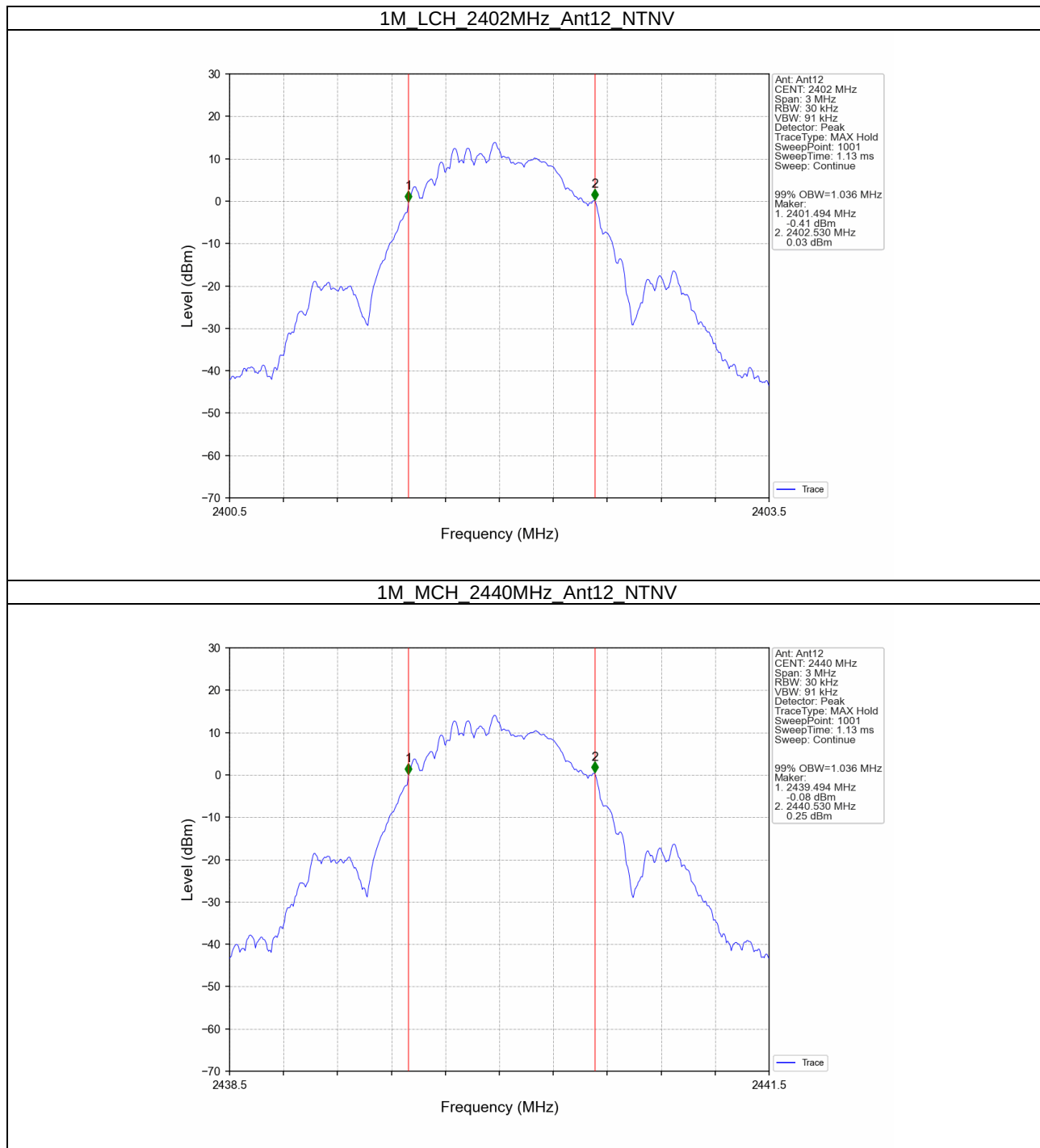
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	MIMO	2402	12	1.036	/	Pass
		2440	12	1.036	/	Pass
		2480	12	1.035	/	Pass
2M	MIMO	2404	12	2.070	/	Pass
		2440	12	2.070	/	Pass
		2478	12	2.067	/	Pass

2.1.2 6dB BW

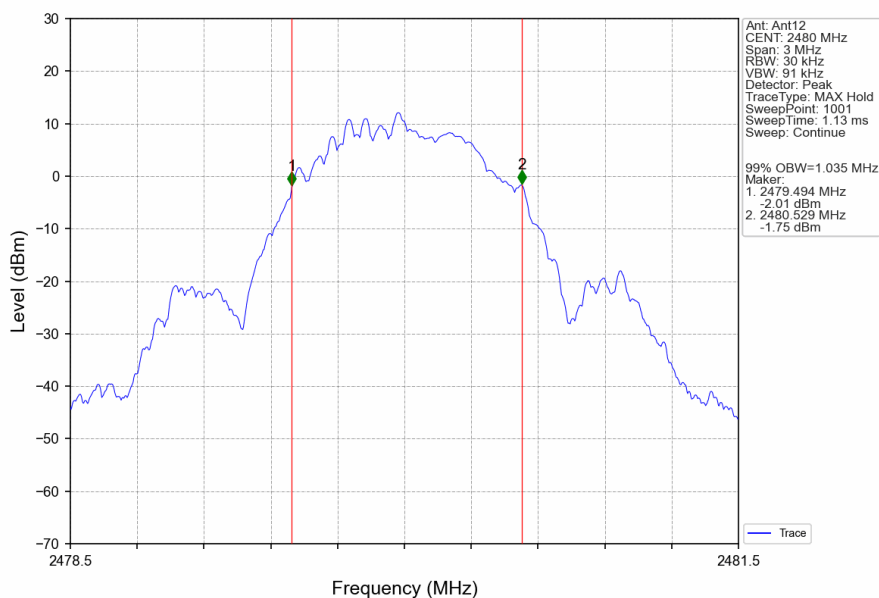
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	MIMO	2402	12	0.717	≥ 0.5	Pass
		2440	12	0.718	≥ 0.5	Pass
		2480	12	0.726	≥ 0.5	Pass
2M	MIMO	2404	12	1.181	≥ 0.5	Pass
		2440	12	1.176	≥ 0.5	Pass
		2478	12	1.183	≥ 0.5	Pass

2.2 Test Graph

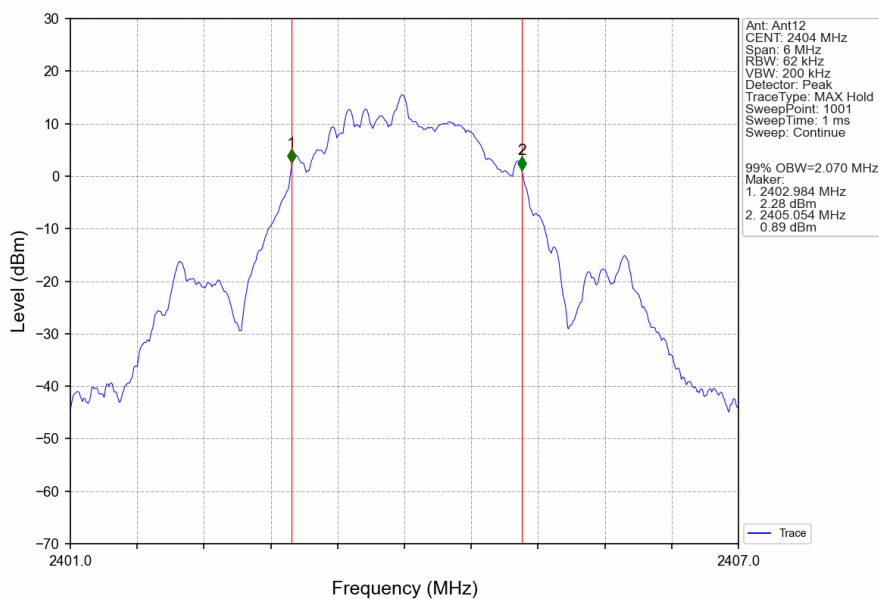
2.2.1 OBW



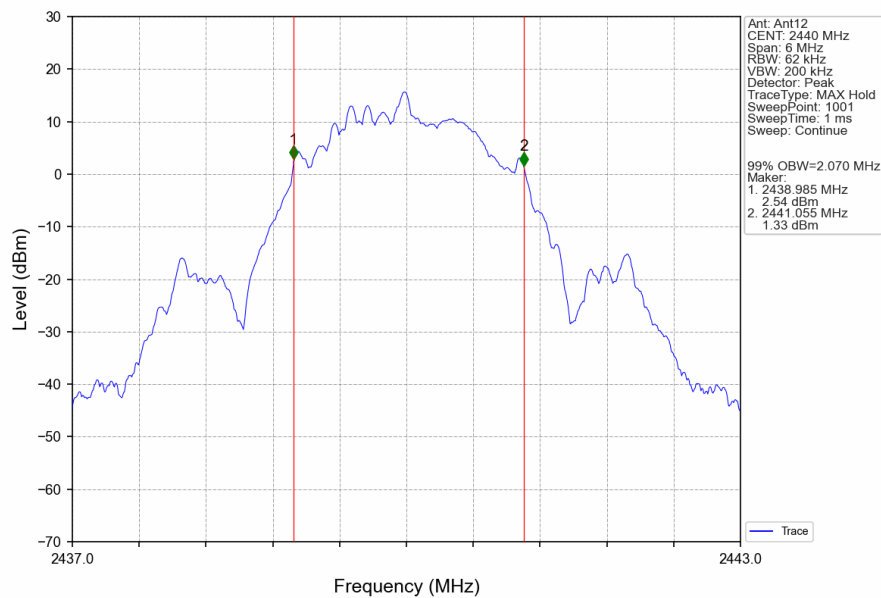
1M_HCH_2480MHz_Ant12_NTNV



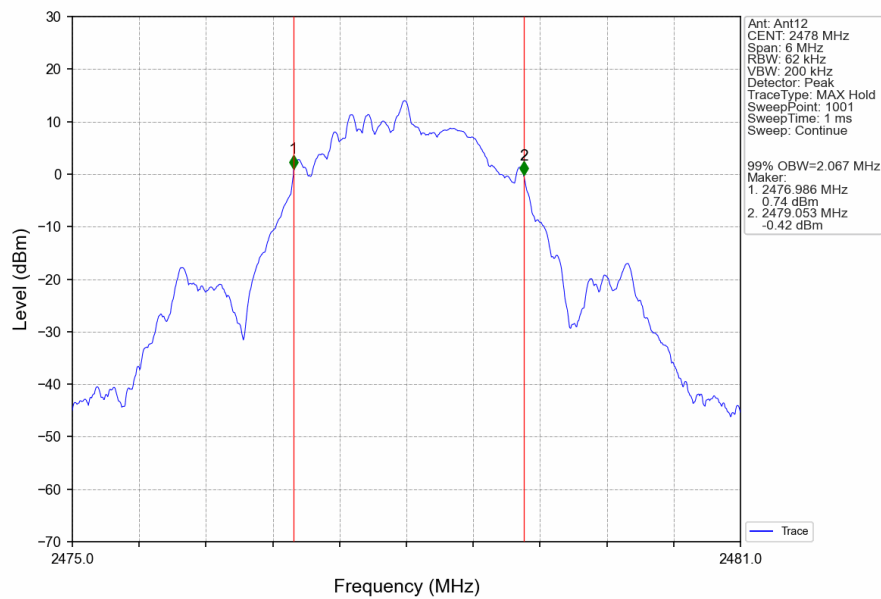
2M_LCH_2404MHz_Ant12_NTNV



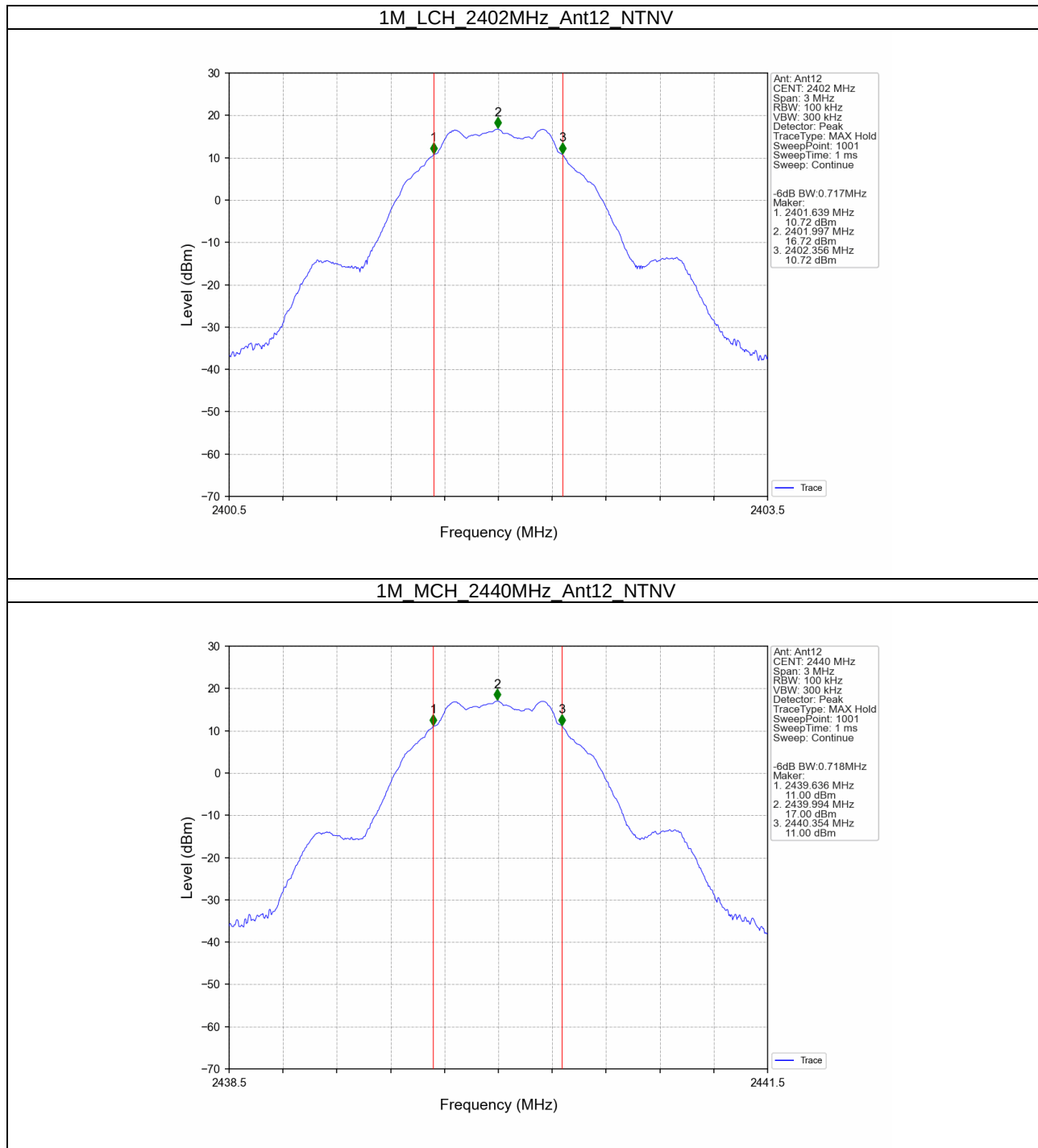
2M_MCH_2440MHz_Ant12_NTNV



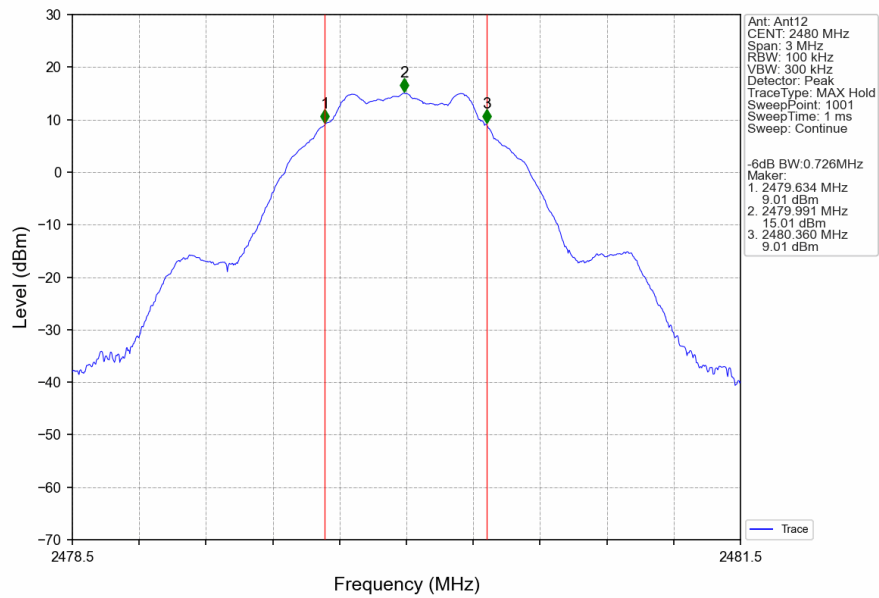
2M_HCH_2478MHz_Ant12_NTNV



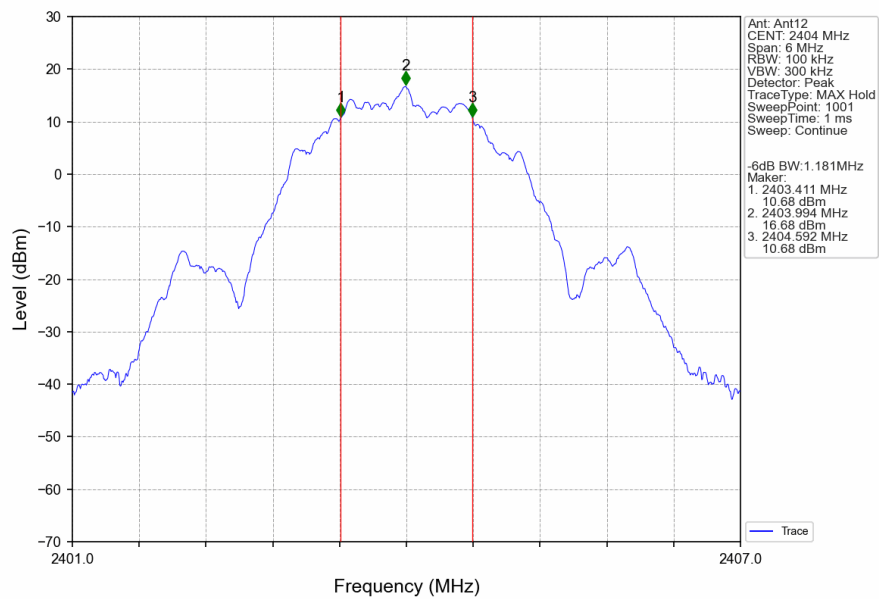
2.2.2 6dB BW



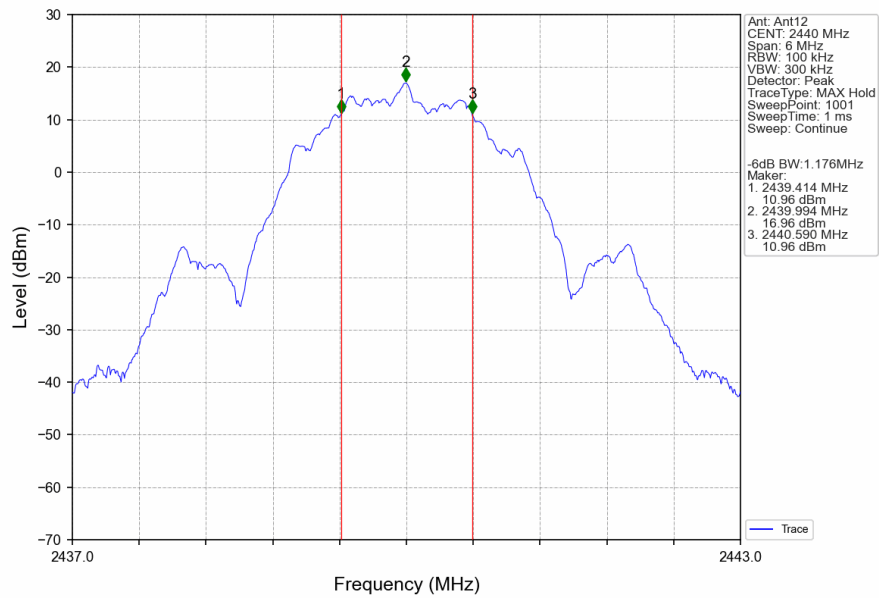
1M_HCH_2480MHz_Ant12_NTNV



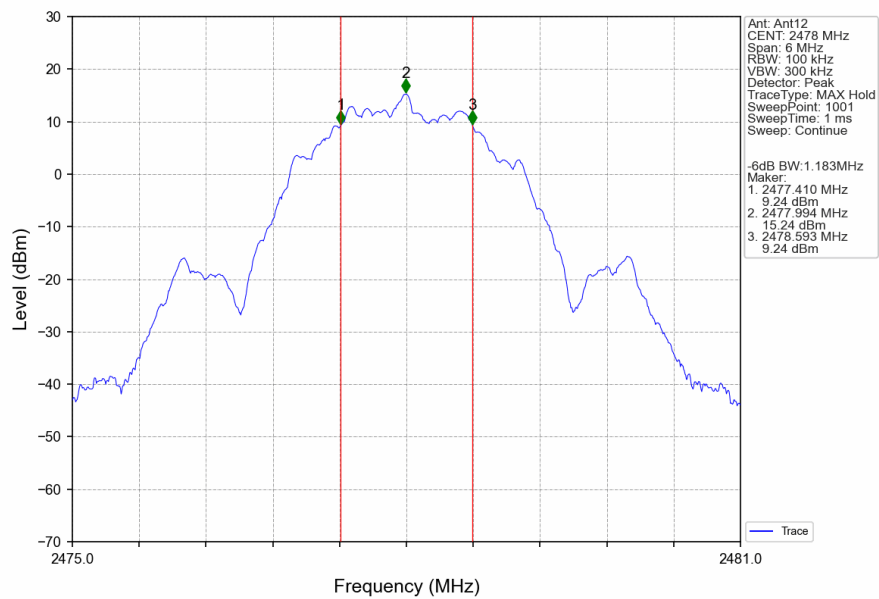
2M_LCH_2404MHz_Ant12_NTNV



2M_MCH_2440MHz_Ant12_NTNV



2M_HCH_2478MHz_Ant12_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT12	ANT7	MIMO	Limit	
1M	MIMO	2402	15.53	16.17	18.87	<=30	Pass
		2440	15.80	16.81	19.34	<=30	Pass
		2480	15.82	16.26	19.06	<=30	Pass
2M	MIMO	2404	15.72	16.17	18.96	<=30	Pass
		2440	15.86	16.92	19.43	<=30	Pass
		2478	15.73	16.37	19.07	<=30	Pass

Note1: Antenna Gain: Ant12: -2.00dBi; Ant7: -2.50dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4. Maximum Power Spectral Density

4.1 Test Result

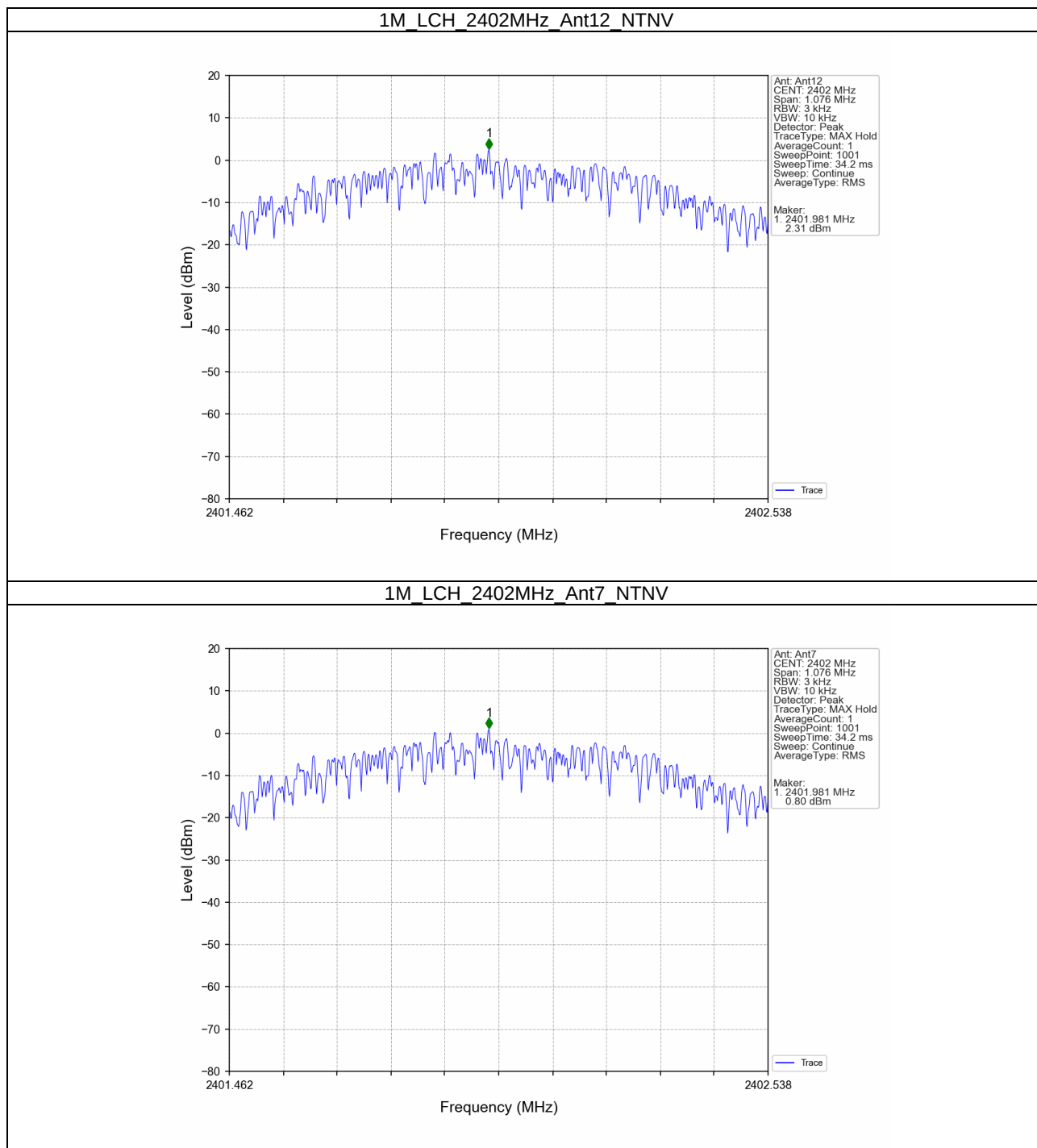
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT12	ANT7	MIMO	Limit	
1M	MIMO	2402	2.31	0.80	4.63	<=8	Pass
		2440	2.54	2.54	5.55	<=8	Pass
		2480	0.42	0.80	3.63	<=8	Pass
2M	MIMO	2404	0.31	-0.43	2.97	<=8	Pass
		2440	4.74	4.82	7.79	<=8	Pass
		2478	4.63	5.31	7.99	<=8	Pass

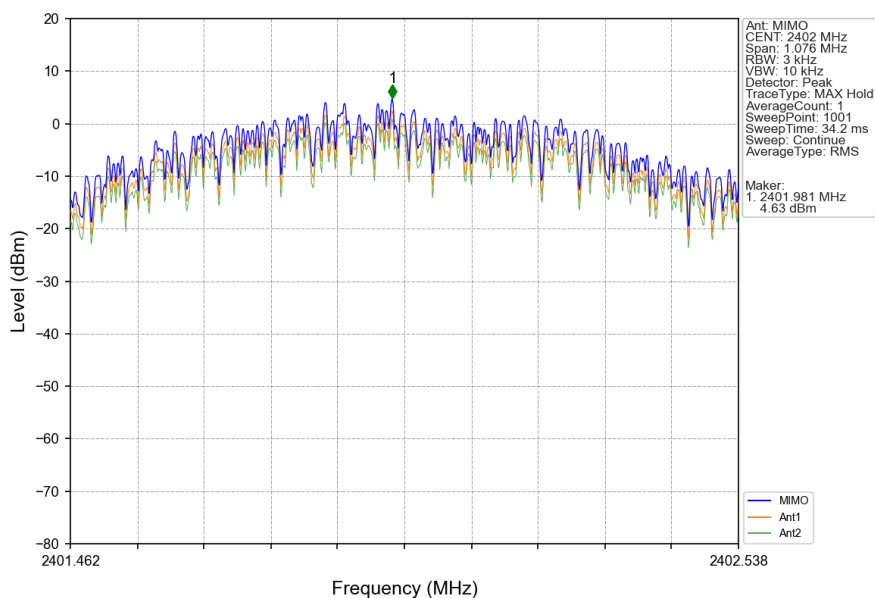
Note1: Antenna Gain: Ant12: -2.00dBi; Ant7: -2.50dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4.2 Test Graph

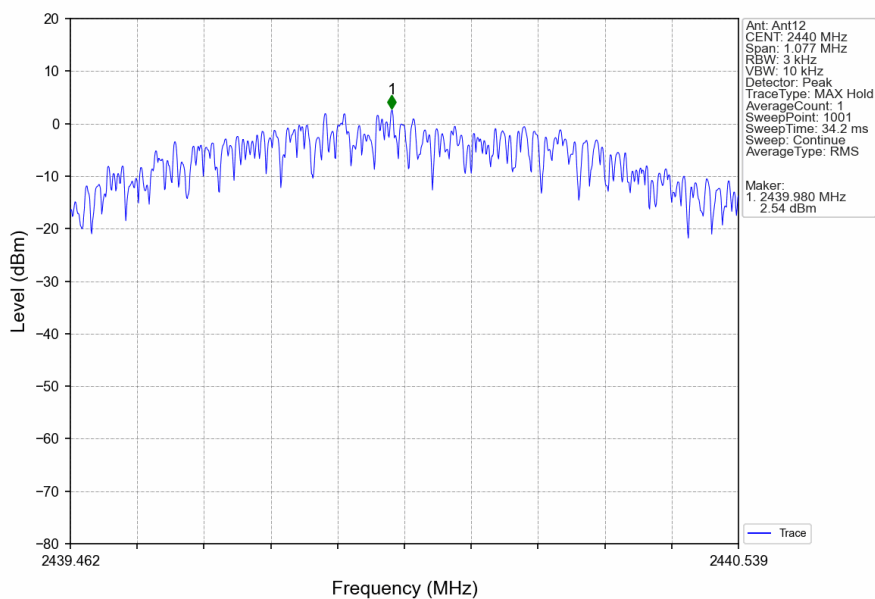
4.2.1 PSD



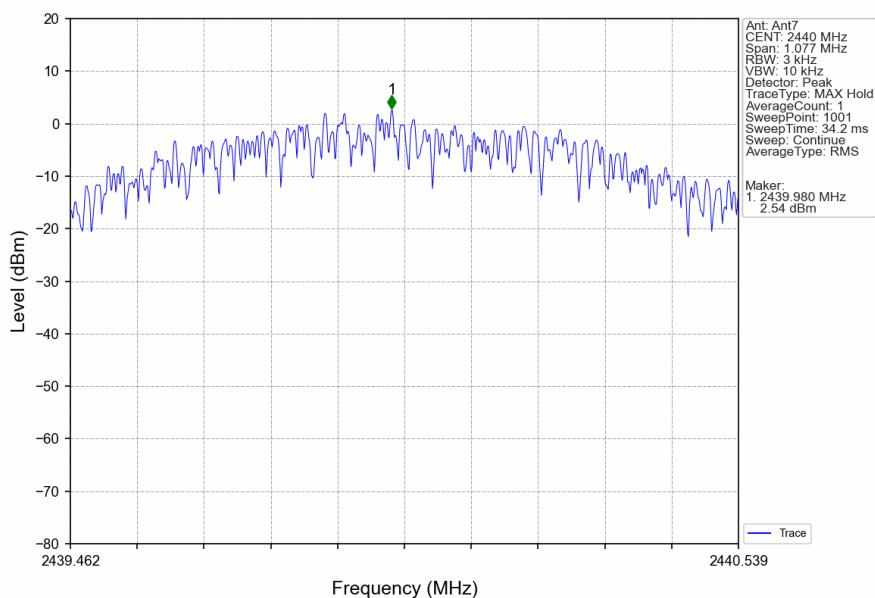
1M LCH 2402MHz MIMO NTN



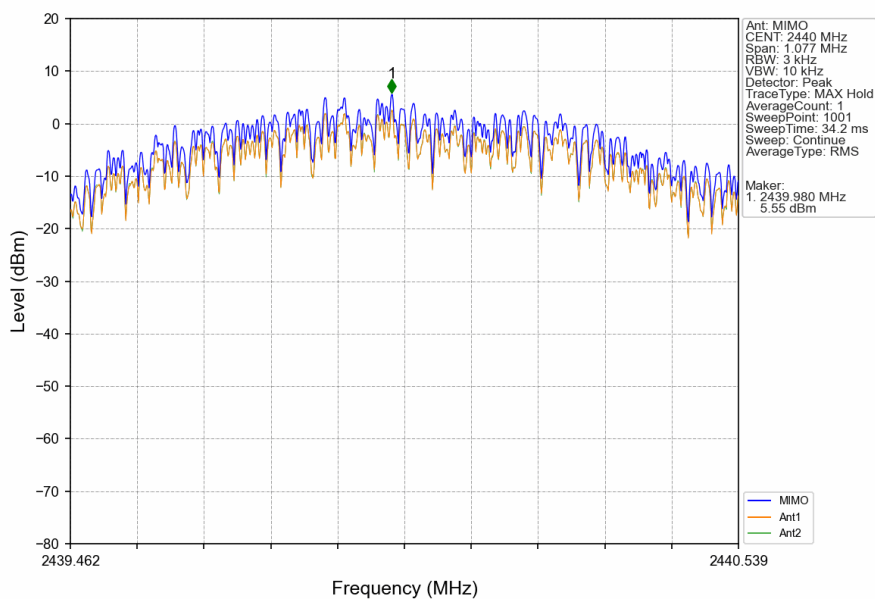
1M MCH 2440MHz Ant12 NTN



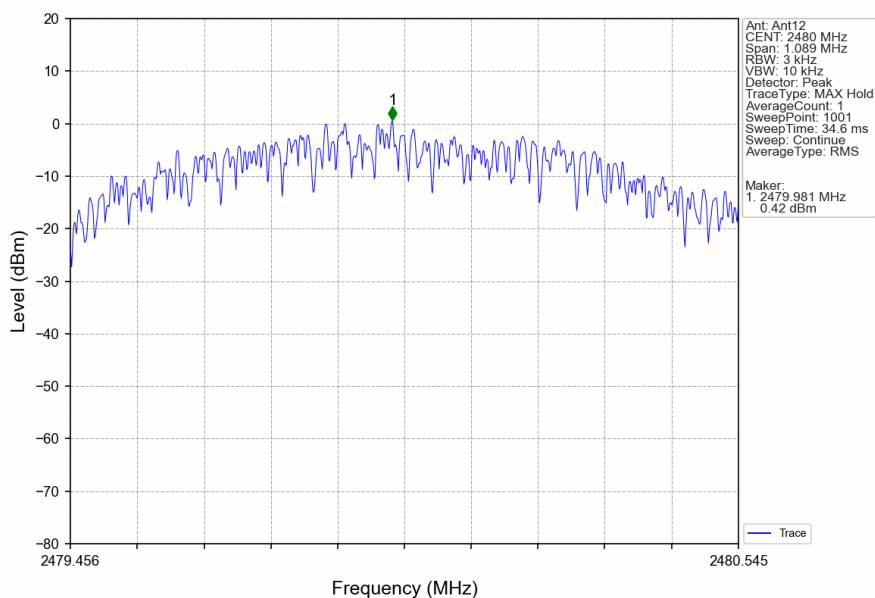
1M MCH 2440MHz Ant7 NTN



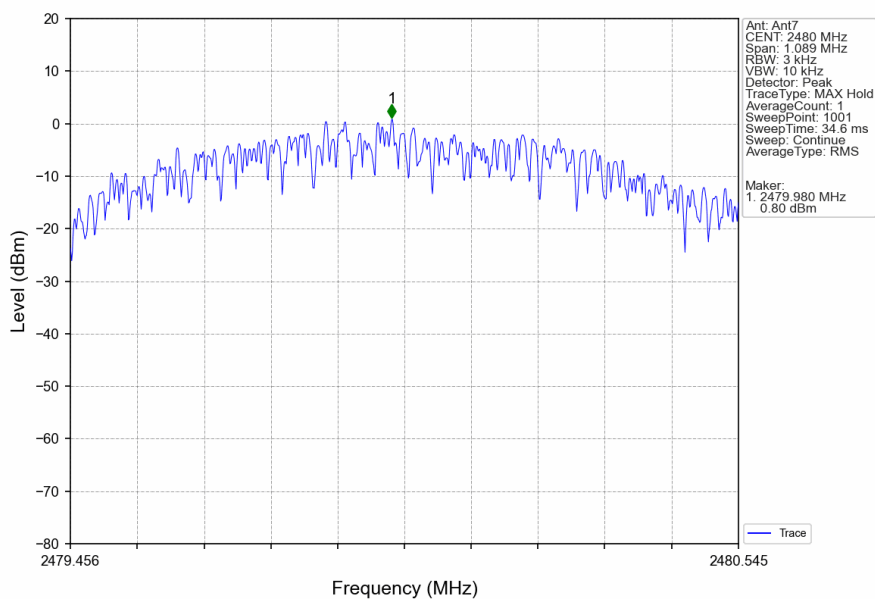
1M MCH 2440MHz MIMO NTN



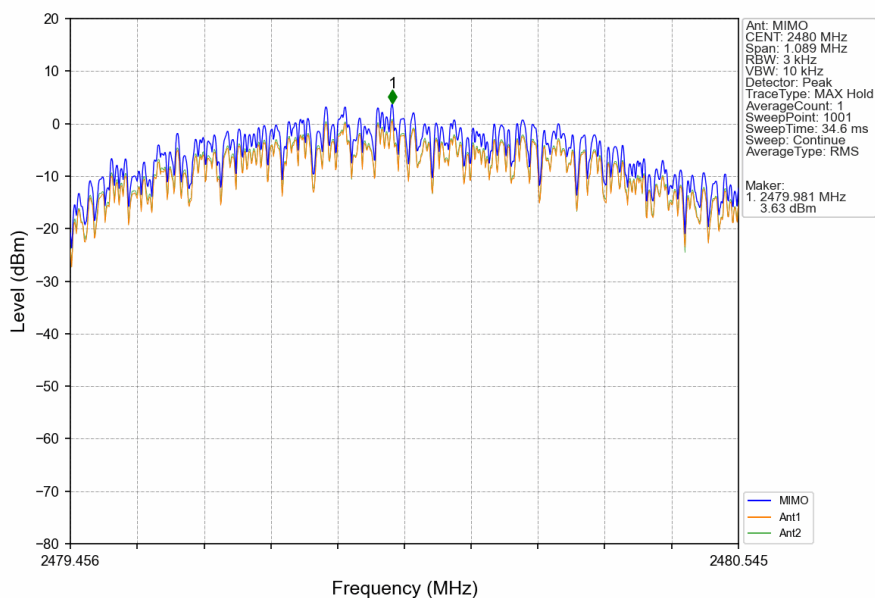
1M HCH 2480MHz Ant12 NTN



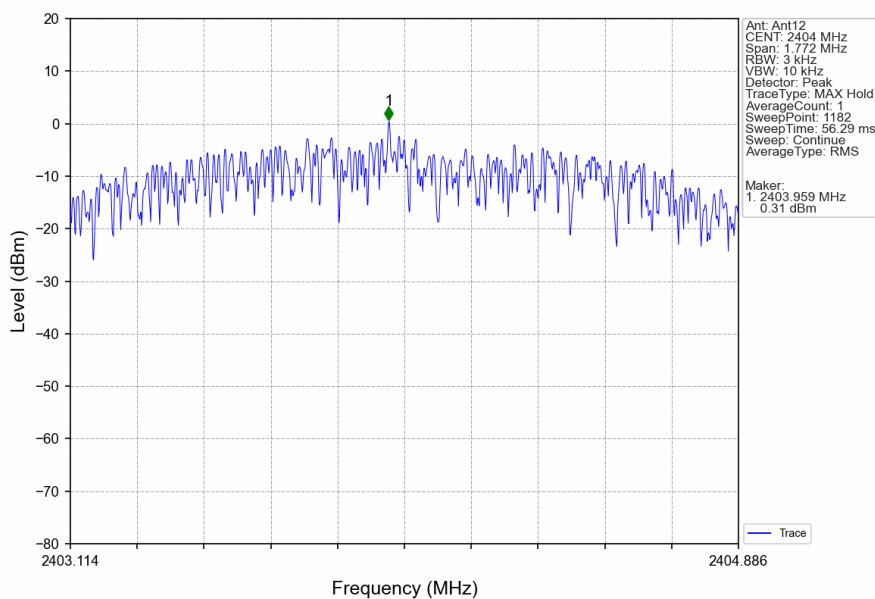
1M HCH 2480MHz Ant7 NTN



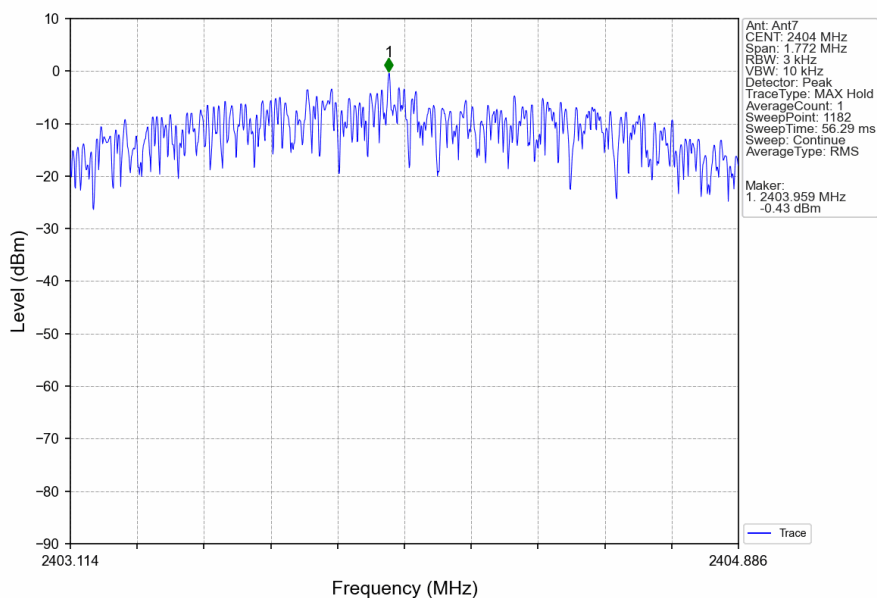
1M_HCH_2480MHz_MIMO_NTNV



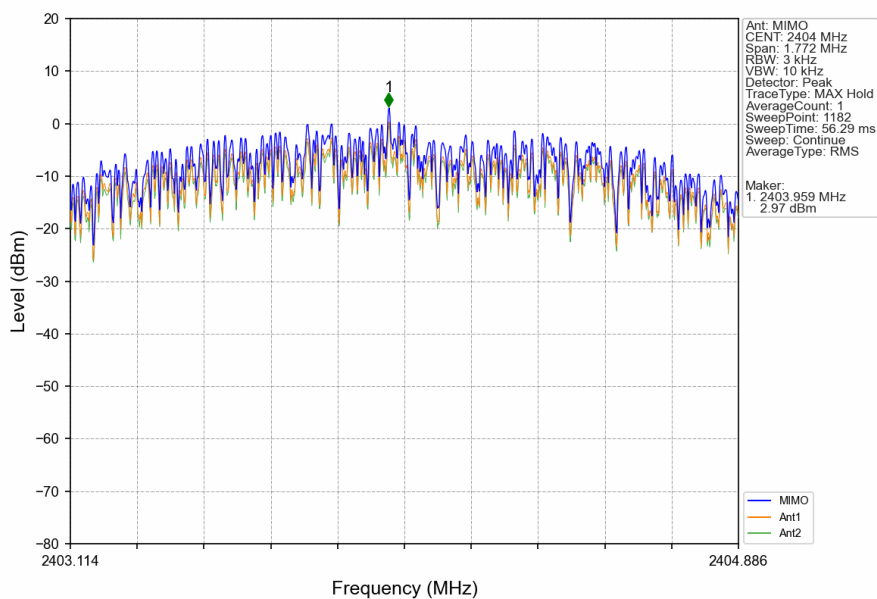
2M_LCH_2404MHz_Ant12_NTNV



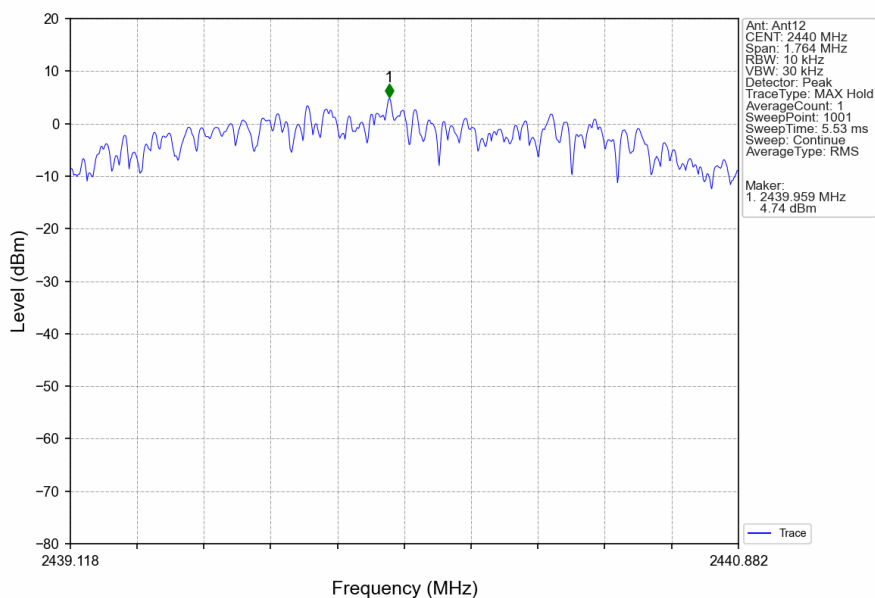
2M LCH 2404MHz Ant7 NTN



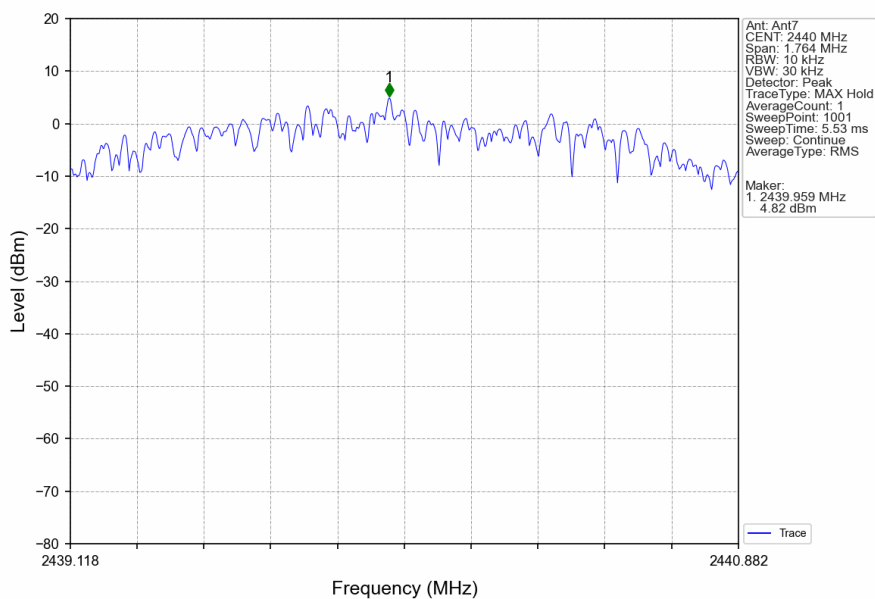
2M LCH 2404MHz MIMO NTN



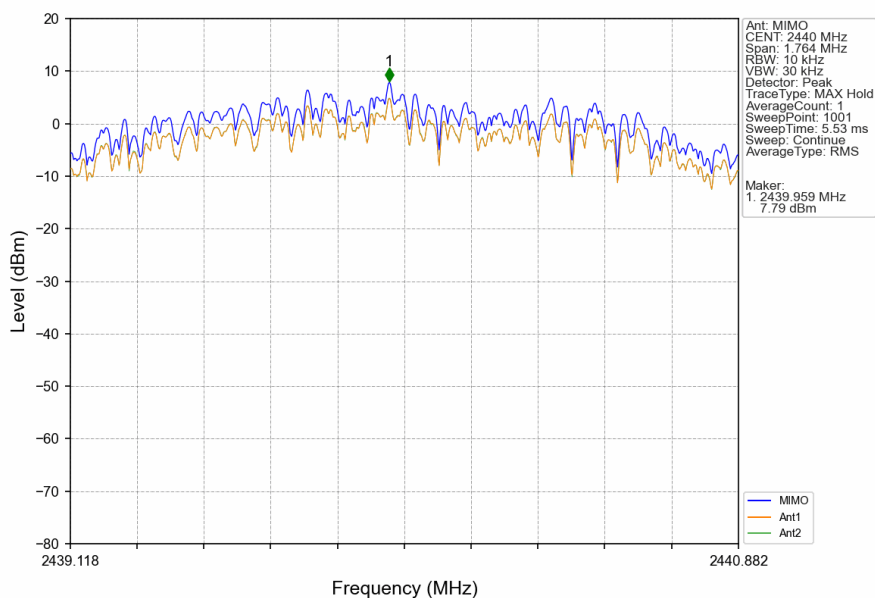
2M MCH 2440MHz Ant12 NTNV



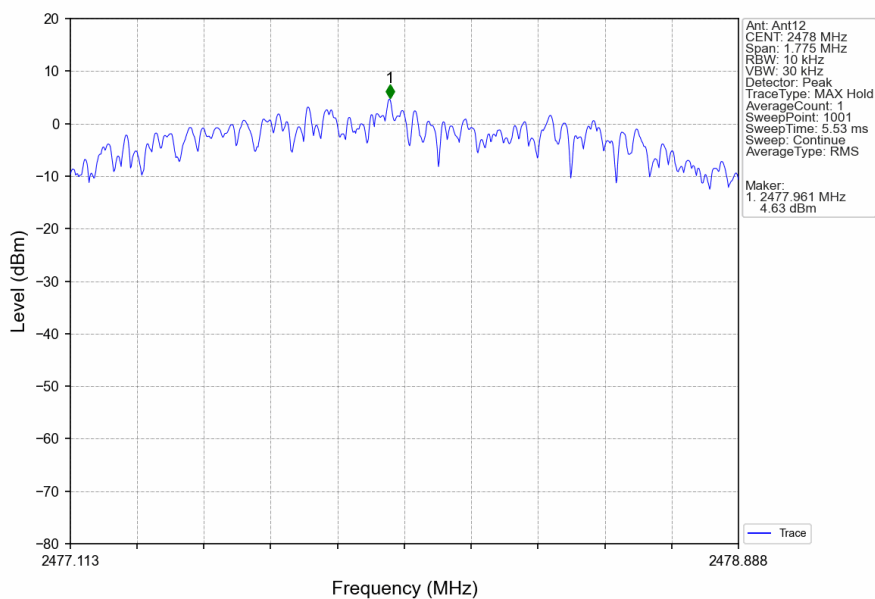
2M MCH 2440MHz Ant7 NTNV



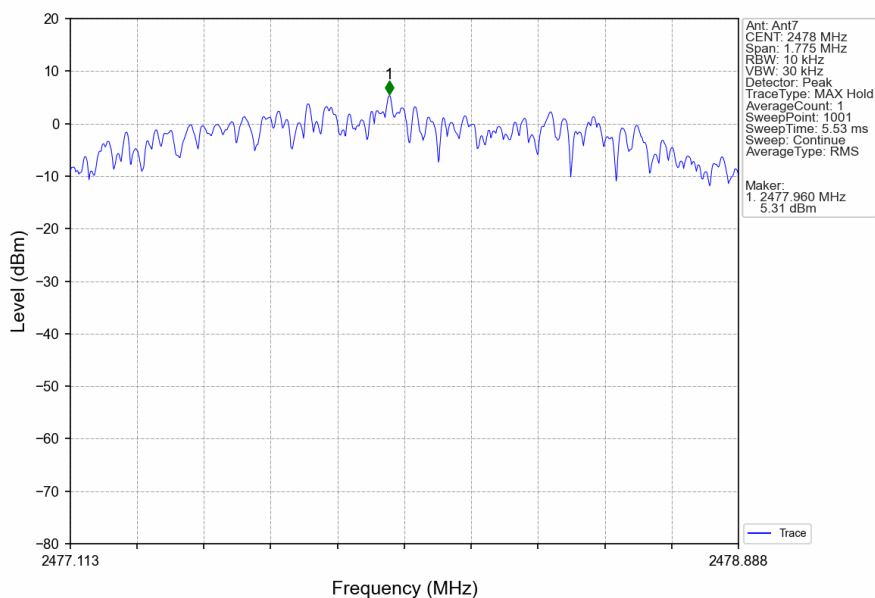
2M_MCH_2440MHz_MIMO_NTNV



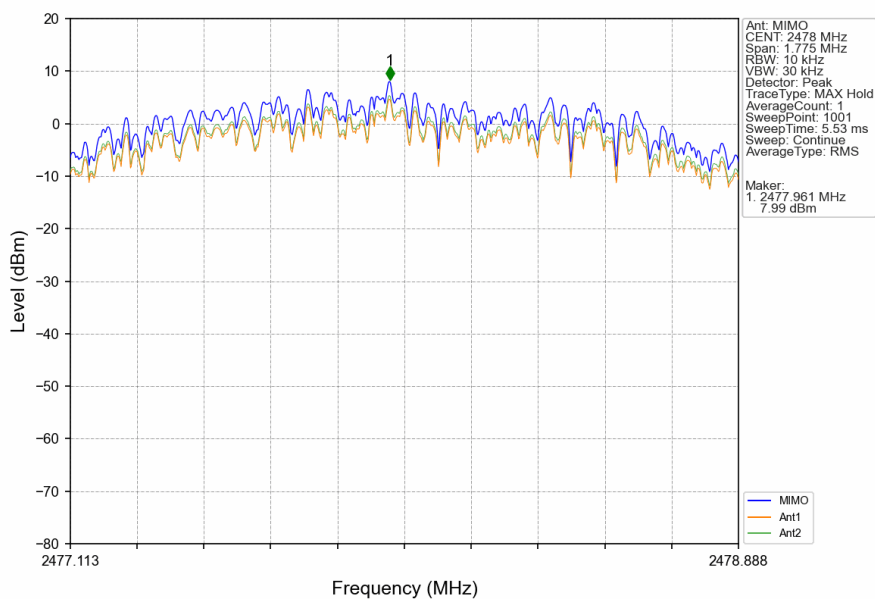
2M_HCH_2478MHz_Ant12_NTNV



2M HCH 2478MHz Ant7 NTN



2M HCH 2478MHz MIMO NTN



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	MIMO	2402	12	16.72
			7	15.31
		2440	12	17.00
			7	16.99
		2480	12	15.03
			7	15.39
2M	MIMO	2404	12	16.68
			7	16.09
		2440	12	17.00
			7	16.56
		2478	12	15.22
			7	15.78

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

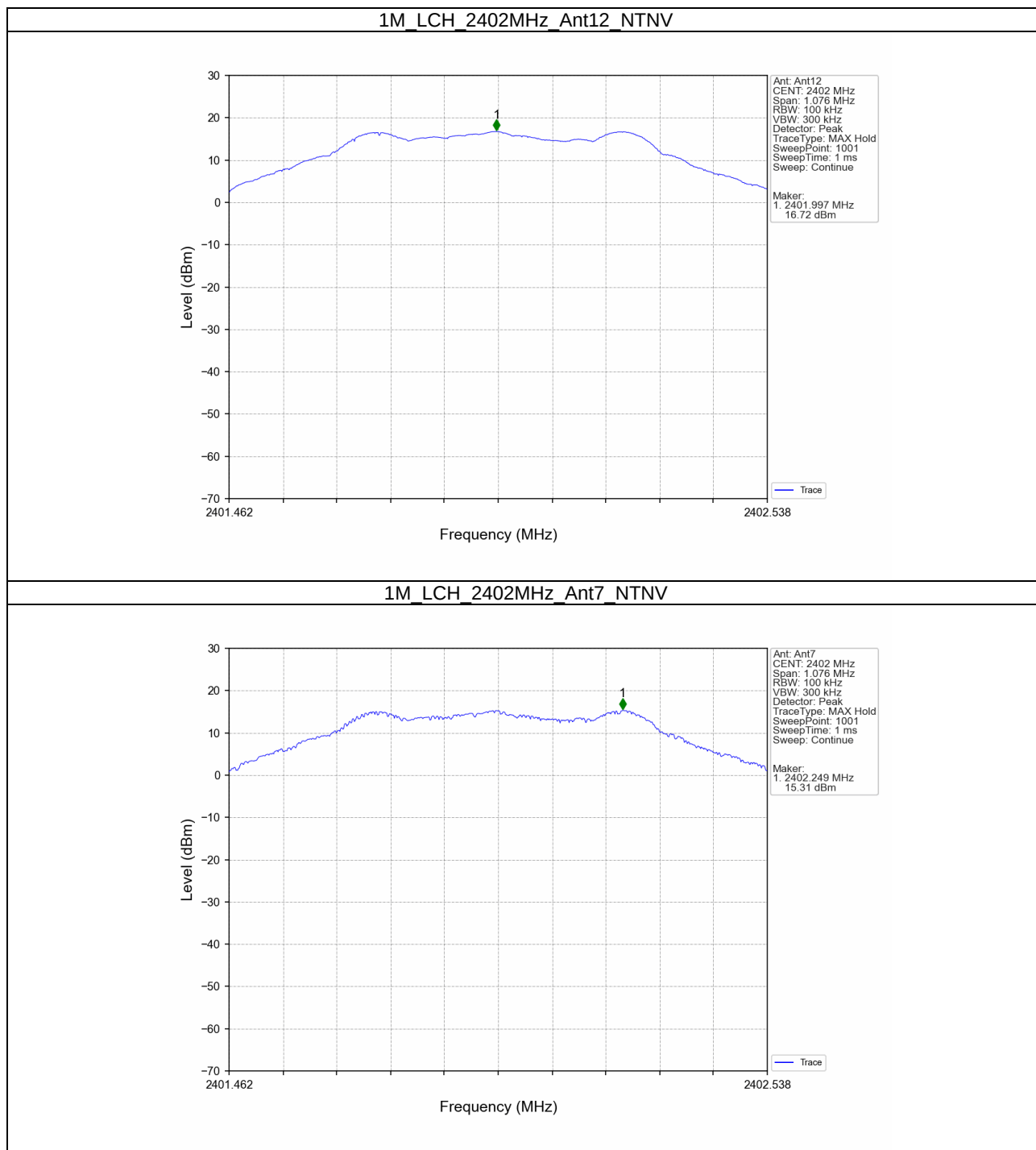
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	MIMO	2402	12	17.00	-3.00	Pass
			7	16.99	-3.01	Pass
		2440	12	17.00	-3.00	Pass
			7	16.99	-3.01	Pass
		2480	12	17.00	-3.00	Pass
			7	16.99	-3.01	Pass
2M	MIMO	2404	12	17.00	-3.00	Pass
			7	16.56	-3.44	Pass
		2440	12	17.00	-3.00	Pass
			7	16.56	-3.44	Pass
		2478	12	17.00	-3.00	Pass
			7	16.56	-3.44	Pass

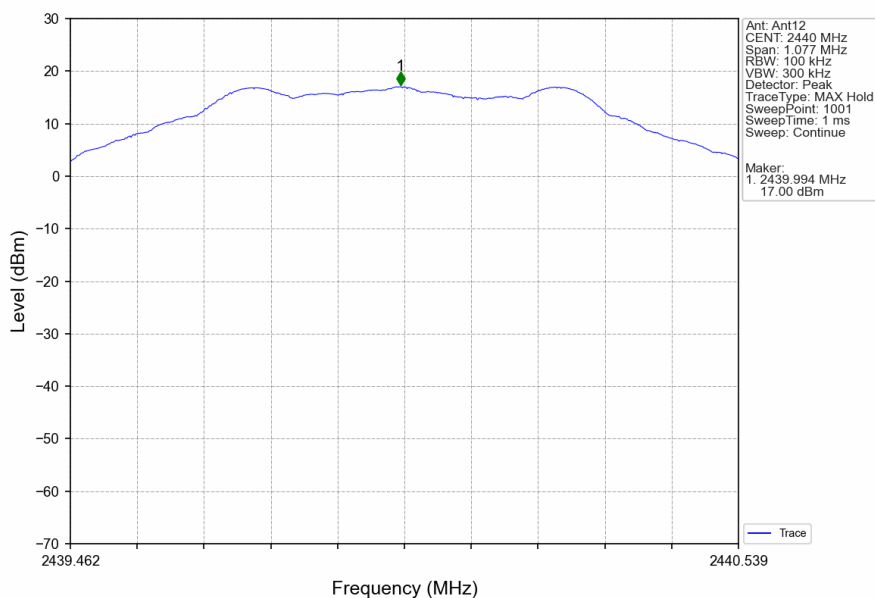
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

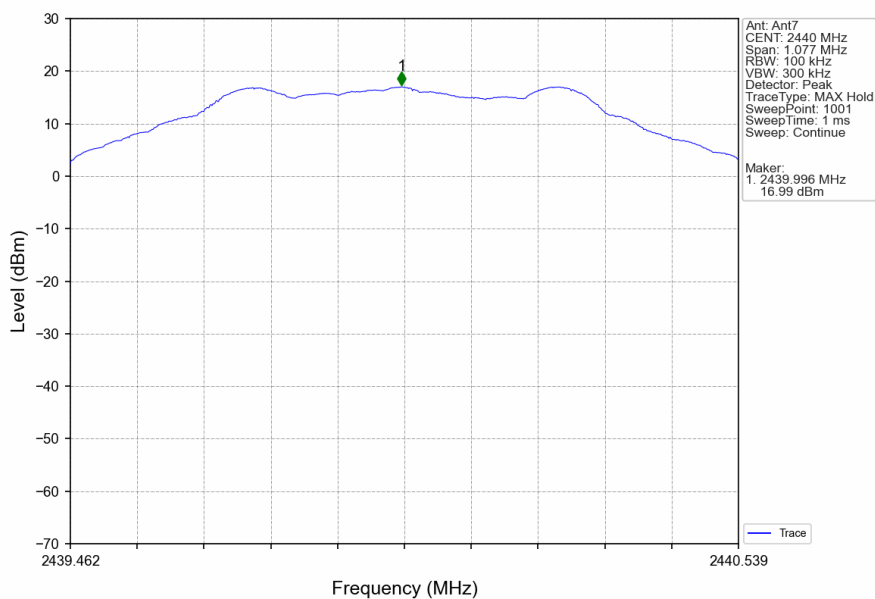
5.2.1 Ref



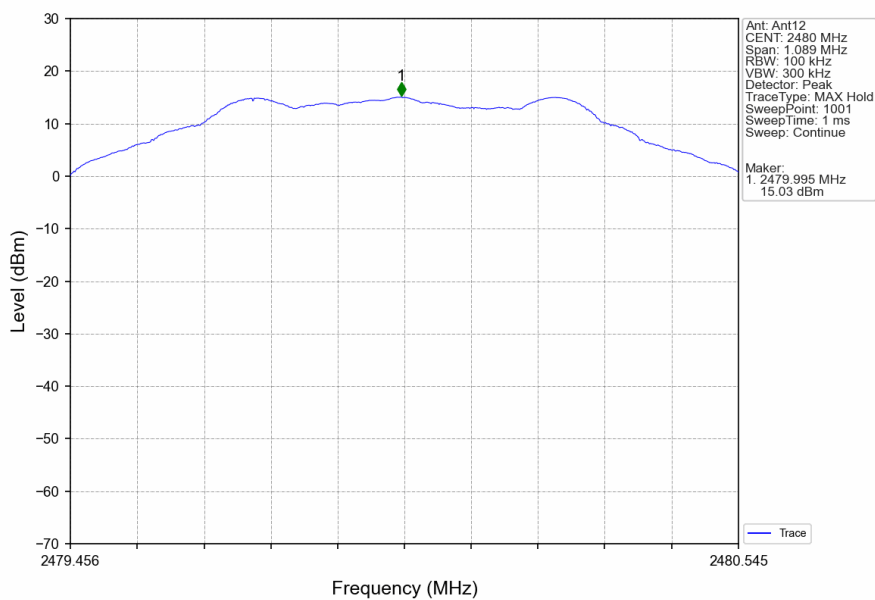
1M MCH 2440MHz Ant12 NTN



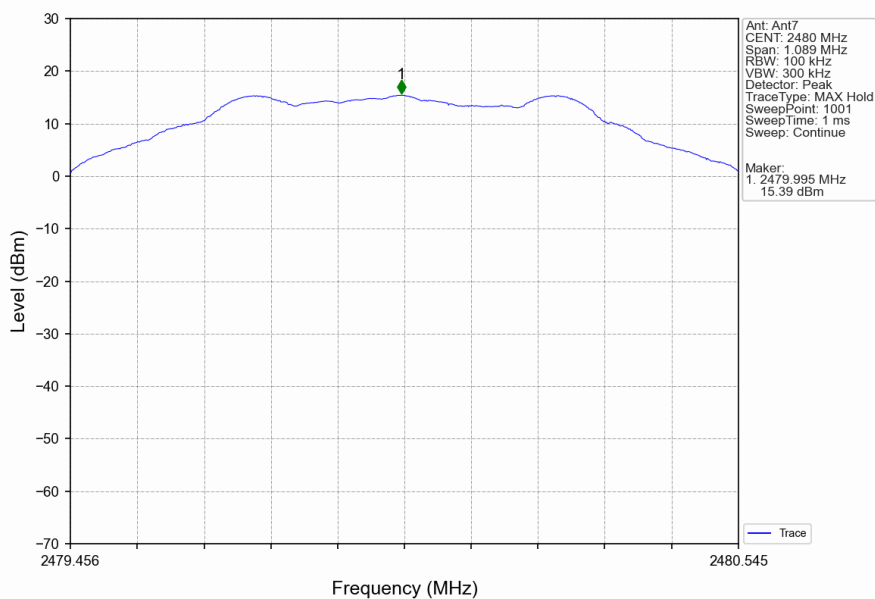
1M MCH 2440MHz Ant7 NTN



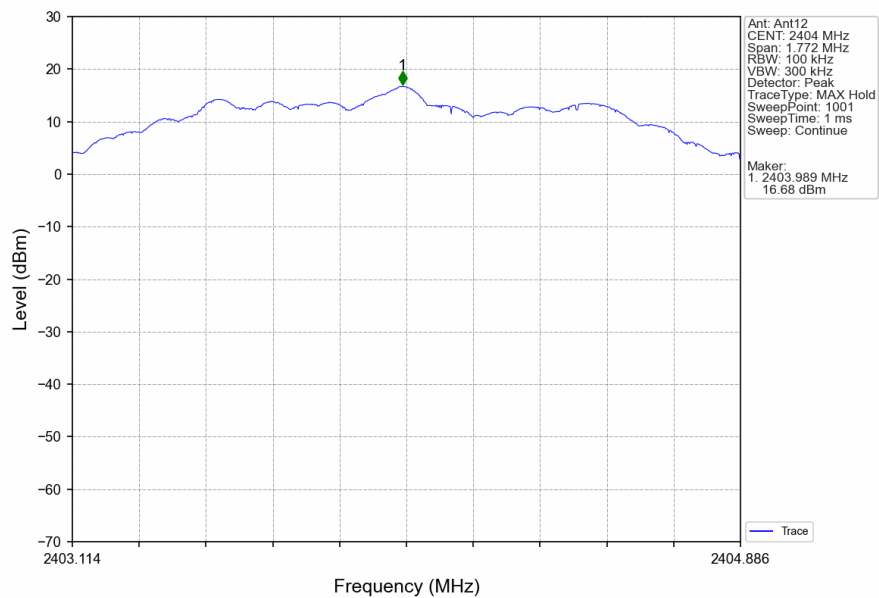
1M HCH 2480MHz Ant12 NTNV



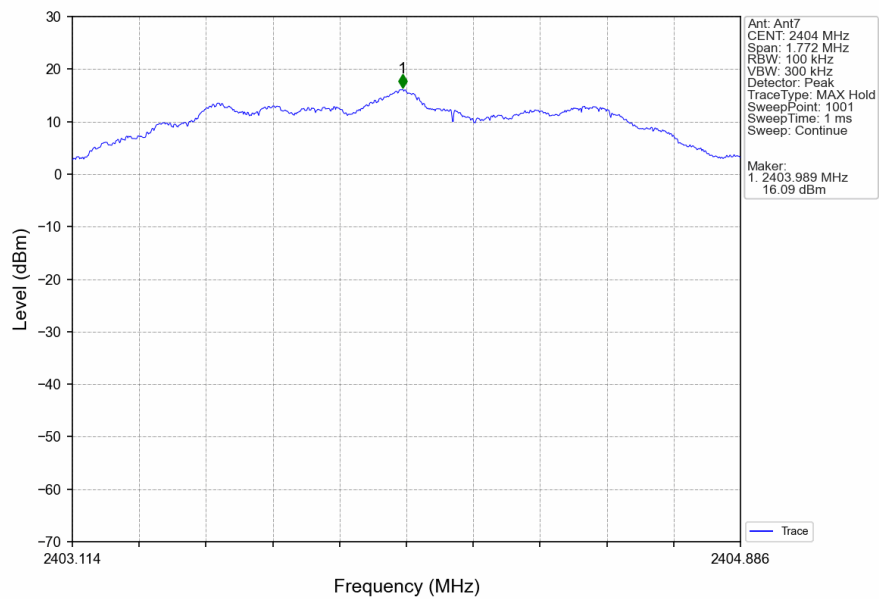
1M HCH 2480MHz Ant7 NTNV



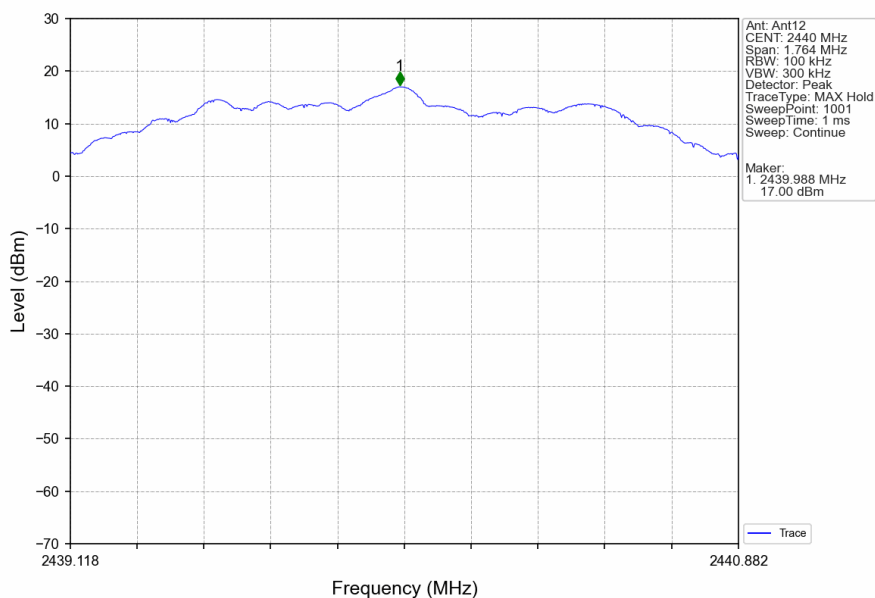
2M LCH 2404MHz Ant12 NTN



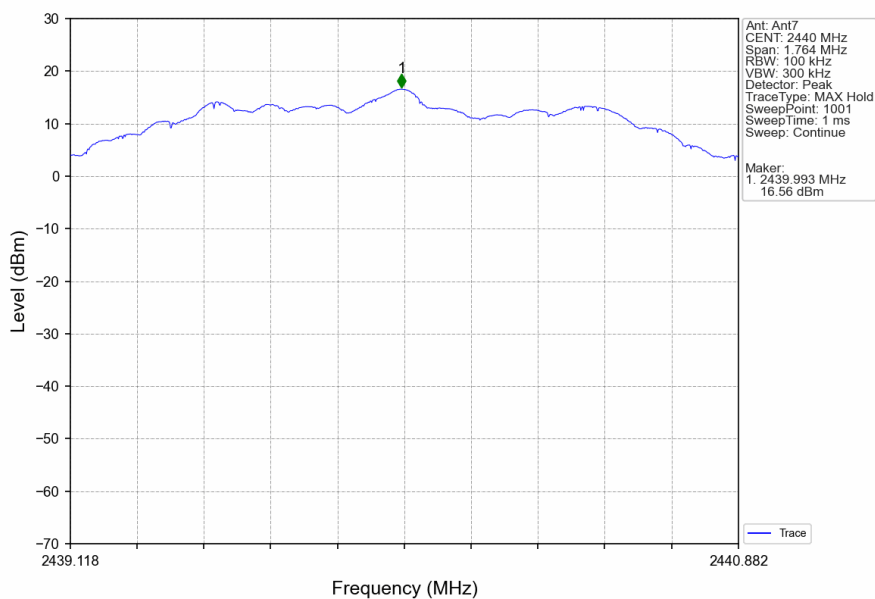
2M LCH 2404MHz Ant7 NTN



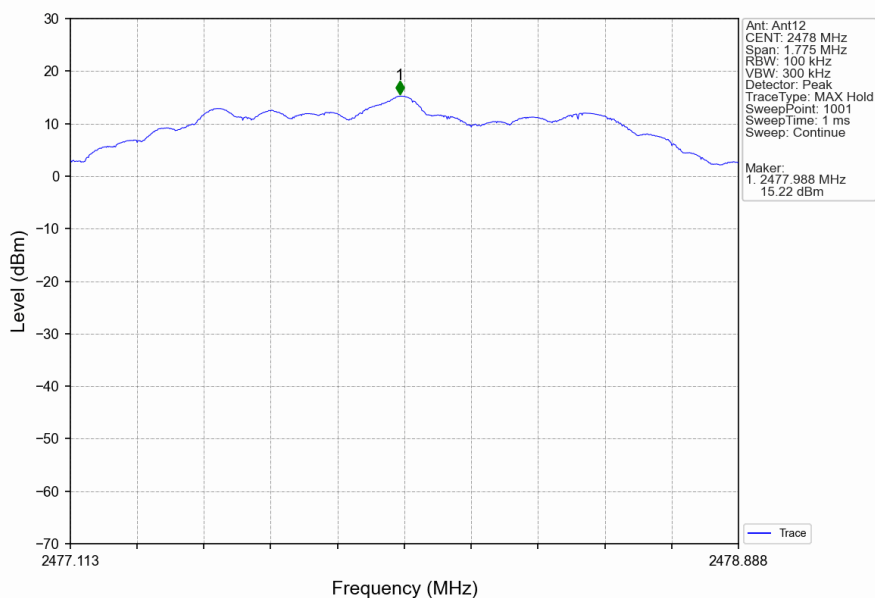
2M MCH 2440MHz Ant12 NTN



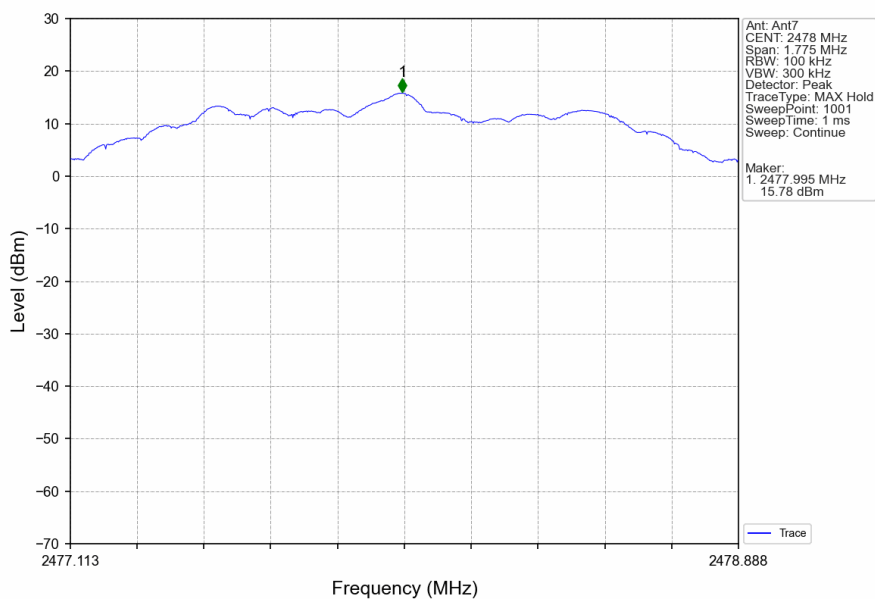
2M MCH 2440MHz Ant7 NTN



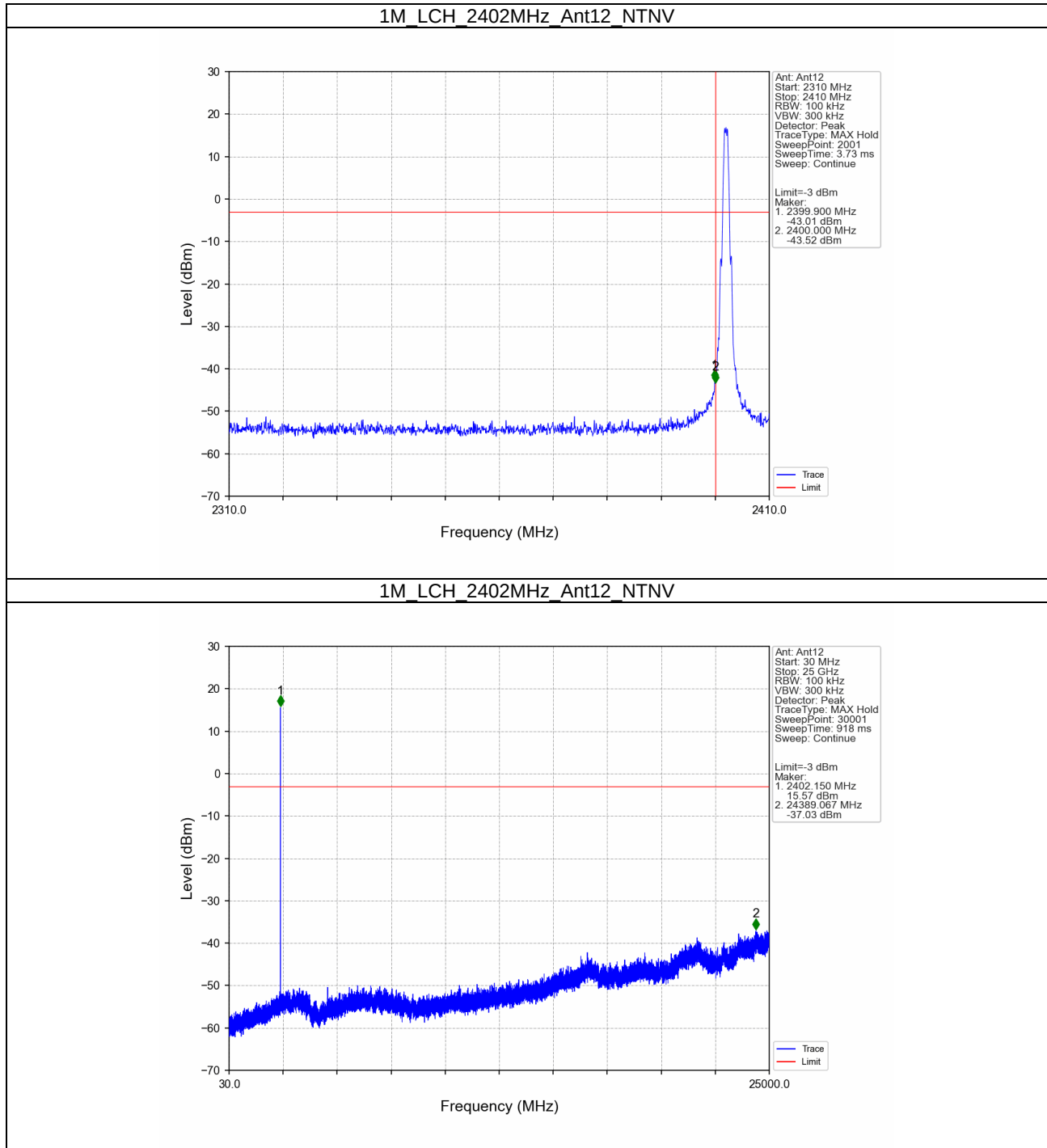
2M HCH 2478MHz Ant12 NTNV



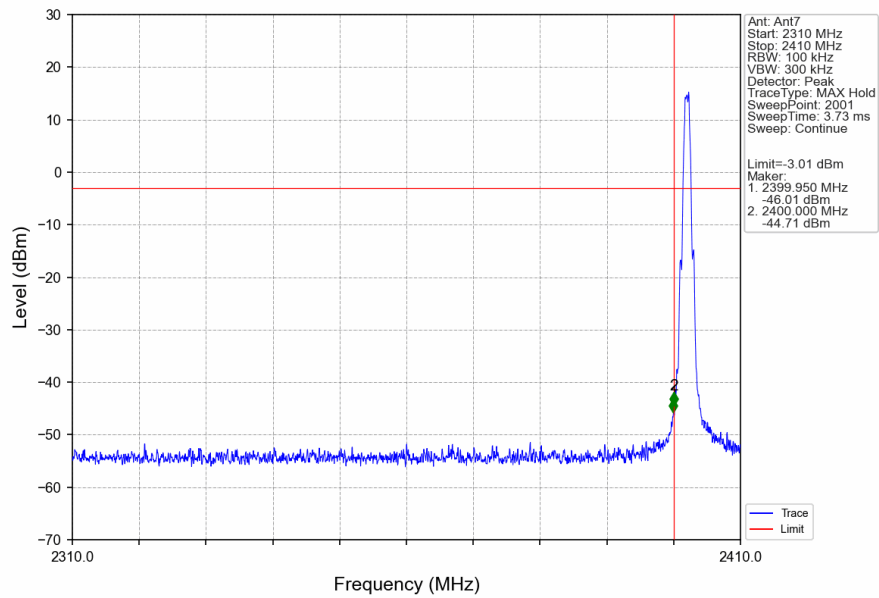
2M HCH 2478MHz Ant7 NTNV



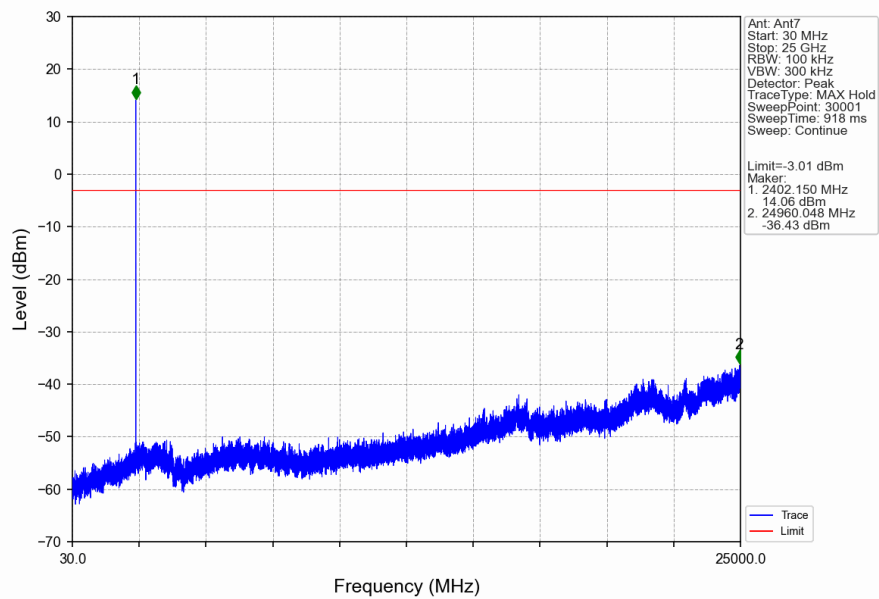
5.2.2 CSE



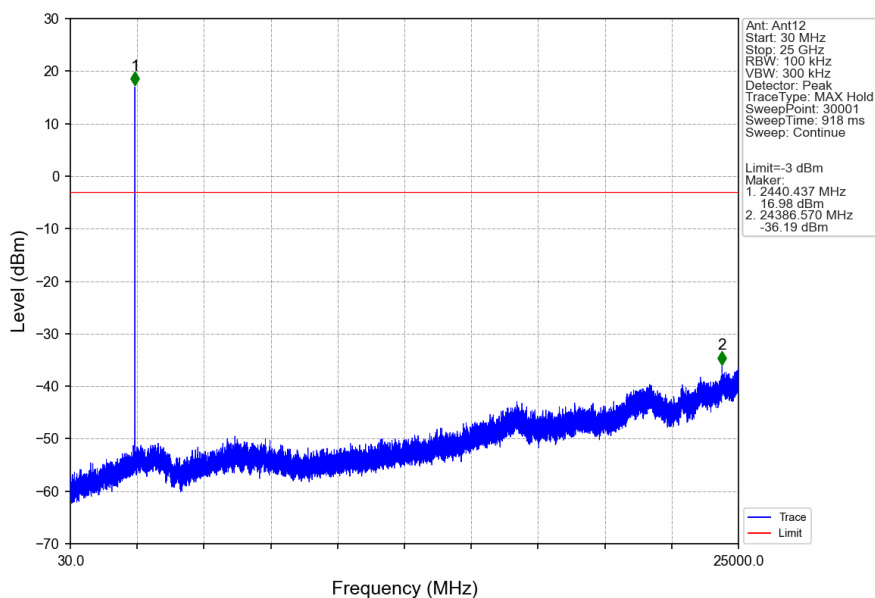
1M LCH 2402MHz Ant7 NTN



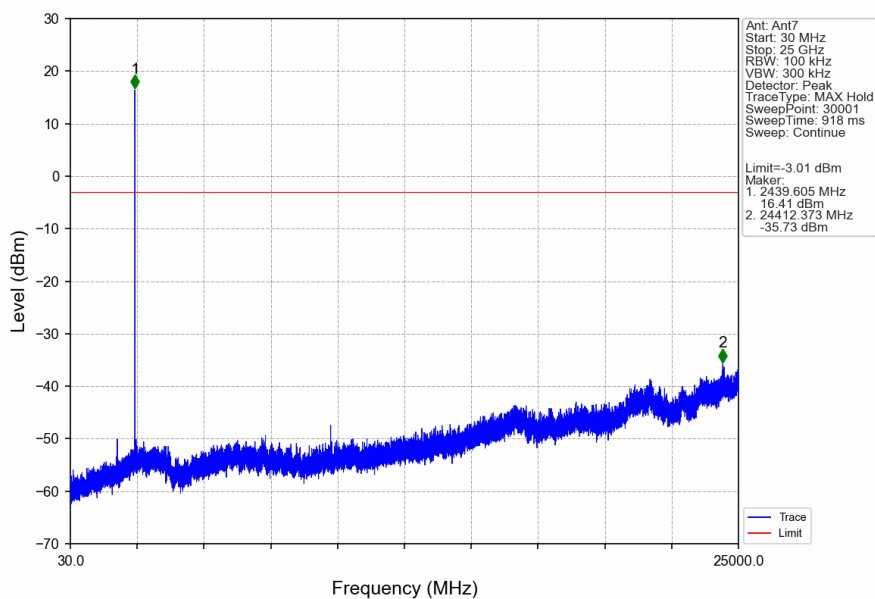
1M LCH 2402MHz Ant7 NTN



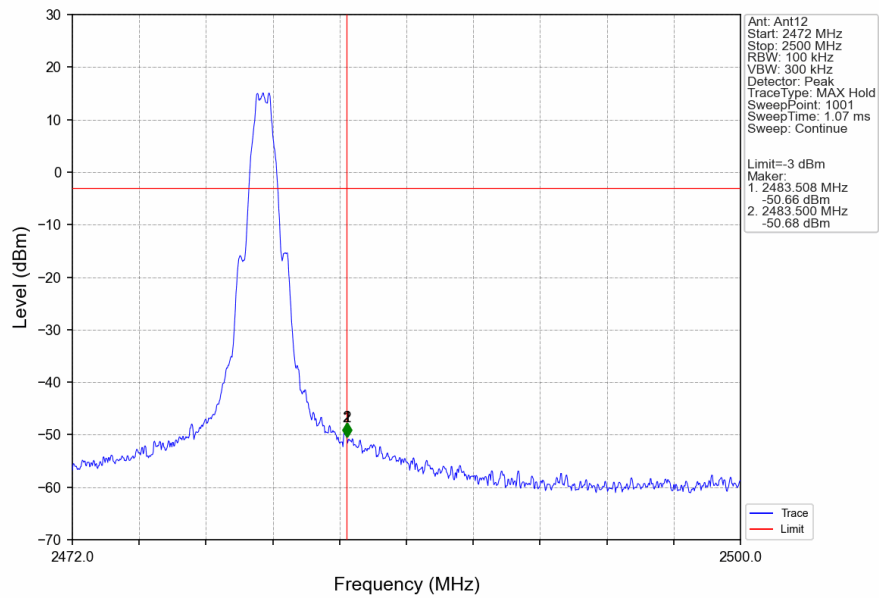
1M MCH 2440MHz Ant12 NTN



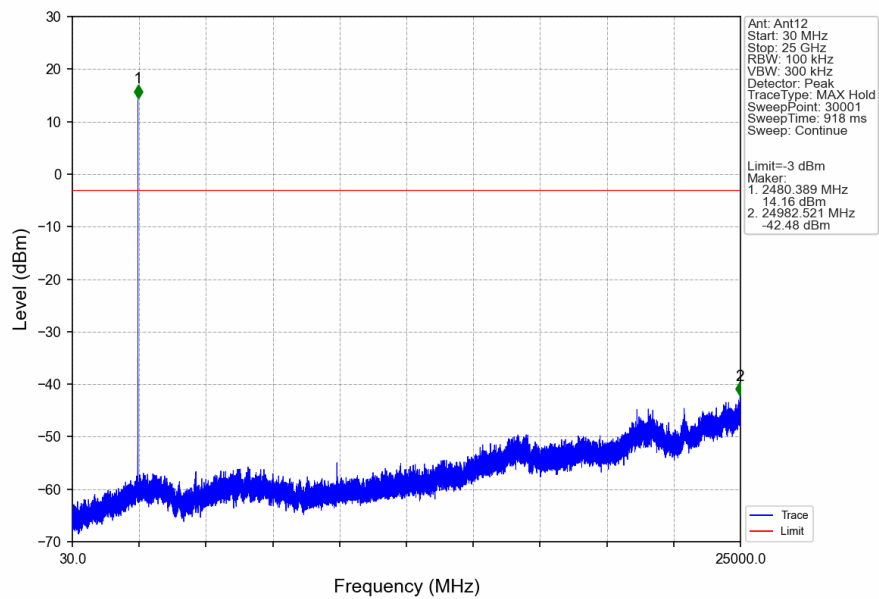
1M MCH 2440MHz Ant7 NTN



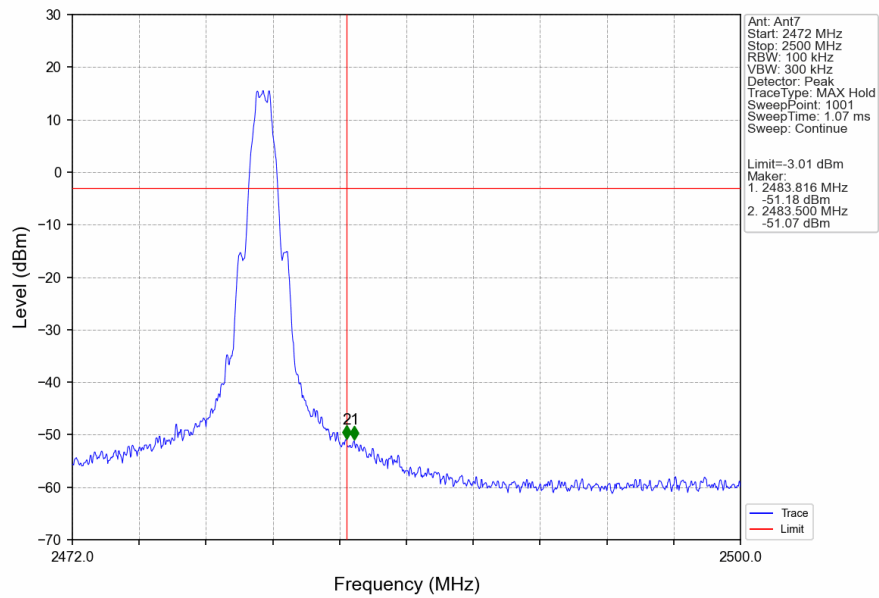
1M_HCH_2480MHz_Ant12_NTNV



1M_HCH_2480MHz_Ant12_NTNV



1M HCH 2480MHz Ant7 NTN



1M HCH 2480MHz Ant7 NTN

