

LTE Band 13 Test Data

FCC ID: 2BSYK-E10

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1. Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.35	0.19	21.39	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.34	0.19	20.38	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.63	0.19	20.67	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.34	0.19	21.38	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.16	0.19	20.20	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.49	0.19	21.53	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.37	0.19	21.41	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.18	0.19	21.22	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.03	0.19	20.07	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.11	0.19	20.15	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.45	0.19	20.49	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#6	21.93	0.19	19.97	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.62	0.19	20.66	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.94	0.19	20.98	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.31	0.19	20.35	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.09	0.19	20.13	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.43	0.19	20.47	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.36	0.19	20.40	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.39	0.19	20.43	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.14	0.19	20.18	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.28	0.19	20.32	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.46	0.19	20.50	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.28	0.19	20.32	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.79	0.19	20.83	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.22	0.19	20.26	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#6	23.26	0.19	21.30	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.10	0.19	20.14	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.49	0.19	20.53	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.27	0.19	21.31	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.46	0.19	20.50	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.54	0.19	20.58	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.00	0.19	20.04	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.47	0.19	20.51	34.77	PASS

Band13	5MHz	16QAM	23230	12RB#13	22.90	0.19	20.94	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.37	0.19	20.41	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.10	0.19	20.14	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.00	0.19	21.04	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.91	0.19	20.95	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.81	0.19	20.85	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.72	0.19	20.76	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.56	0.19	20.60	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.96	0.19	21.00	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.68	0.19	21.72	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.52	0.19	20.56	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.09	0.19	20.13	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.42	0.19	20.46	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.55	0.19	20.59	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.25	0.19	20.29	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.90	0.19	20.94	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.34	0.19	21.38	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.00	0.19	21.04	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.51	0.19	21.55	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#0	23.09	0.19	21.13	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.62	0.19	20.66	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#25	23.36	0.19	21.40	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.81	0.19	20.85	34.77	PASS

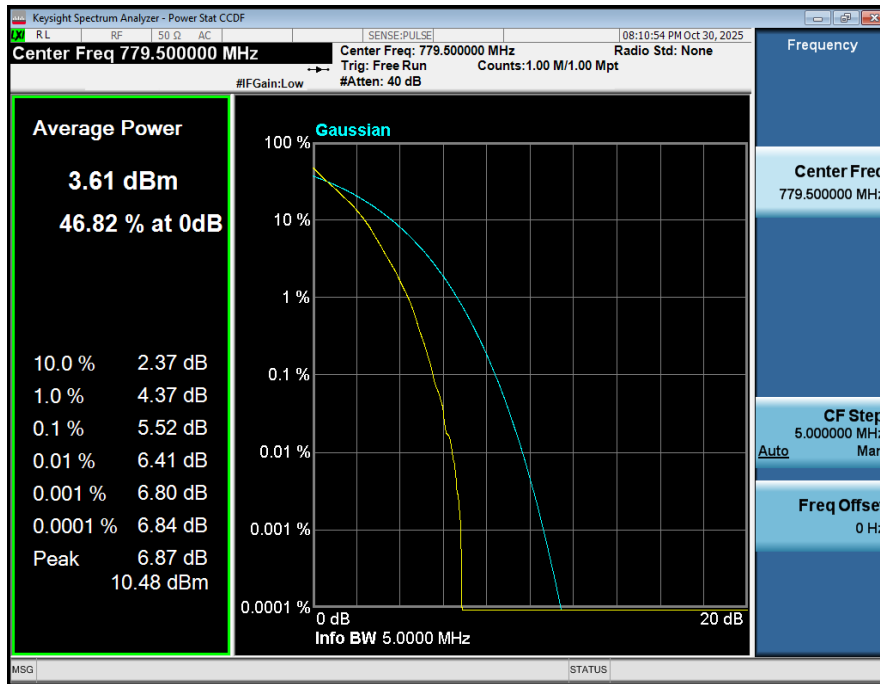
ERP = Conducted Power + ANT Gain - 2.15

2. Peak-to-Average Ratio(CCDF)

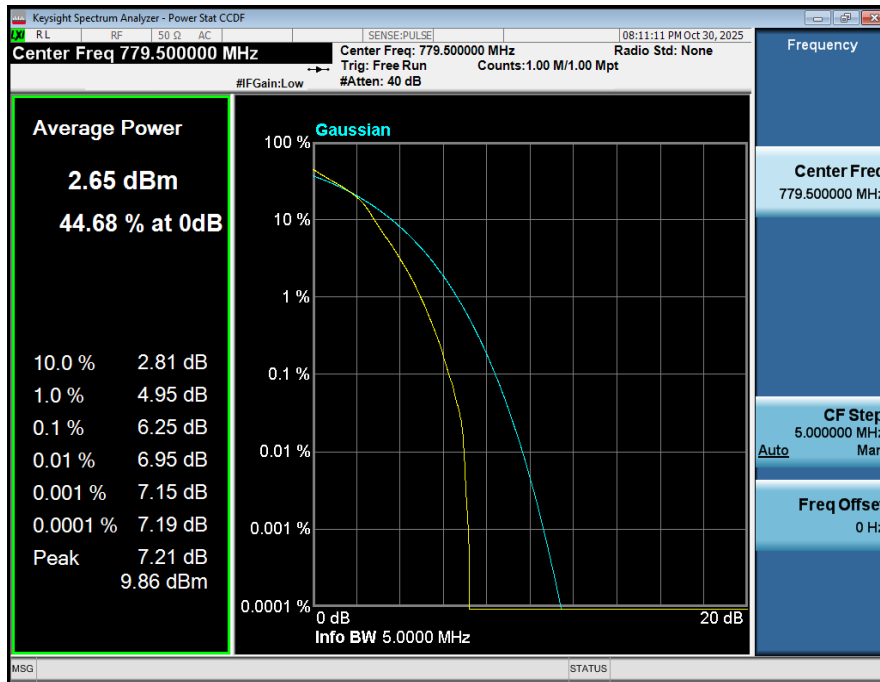
Test Result

Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NV_NT	Band 13	QPSK	5M	779.5	25	0	5.52	13.00	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	6.25	13.00	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	5.61	13.00	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	6.44	13.00	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	5.81	13.00	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	6.51	13.00	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	5.71	13.00	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.32	13.00	Pass

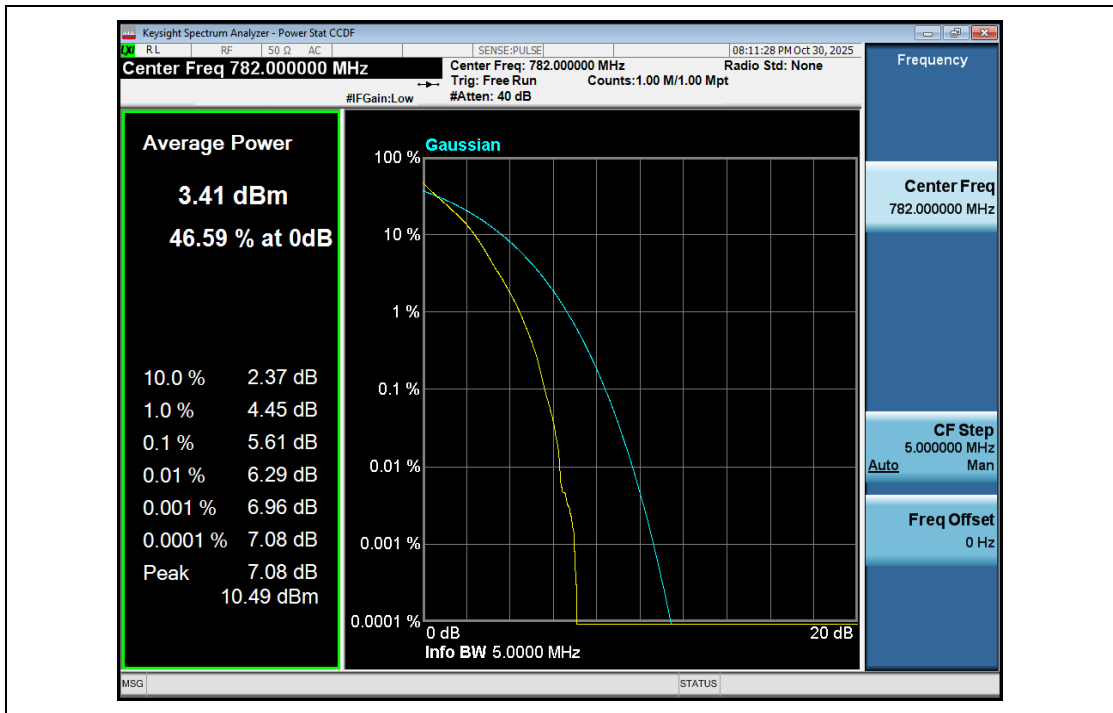
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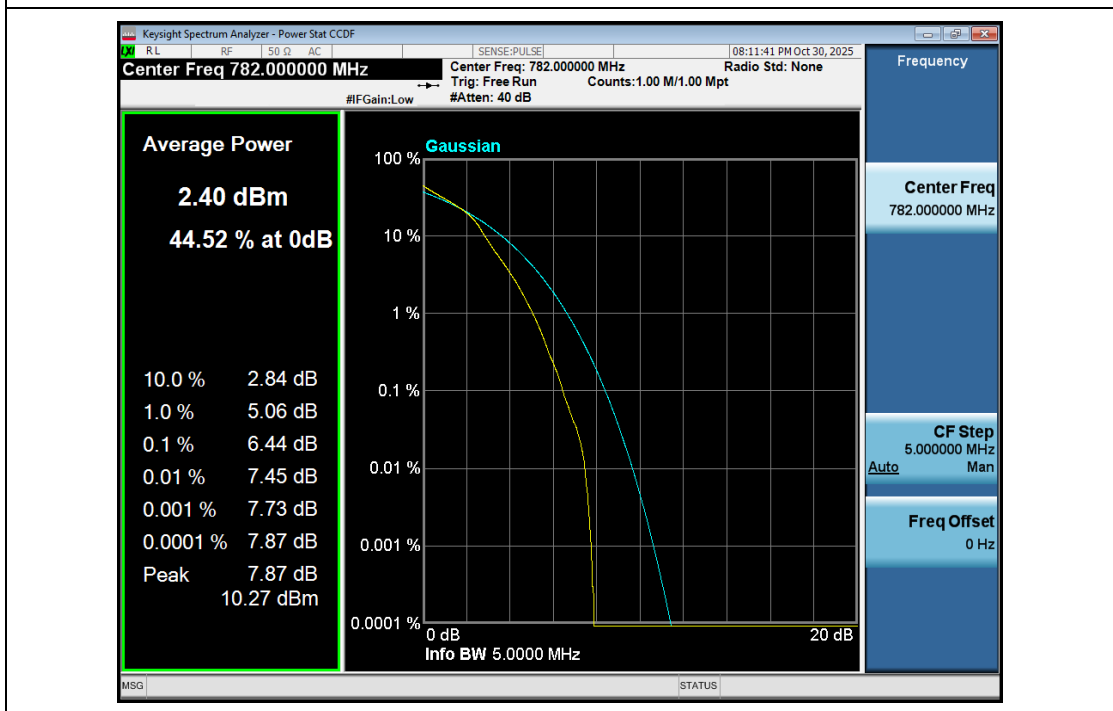
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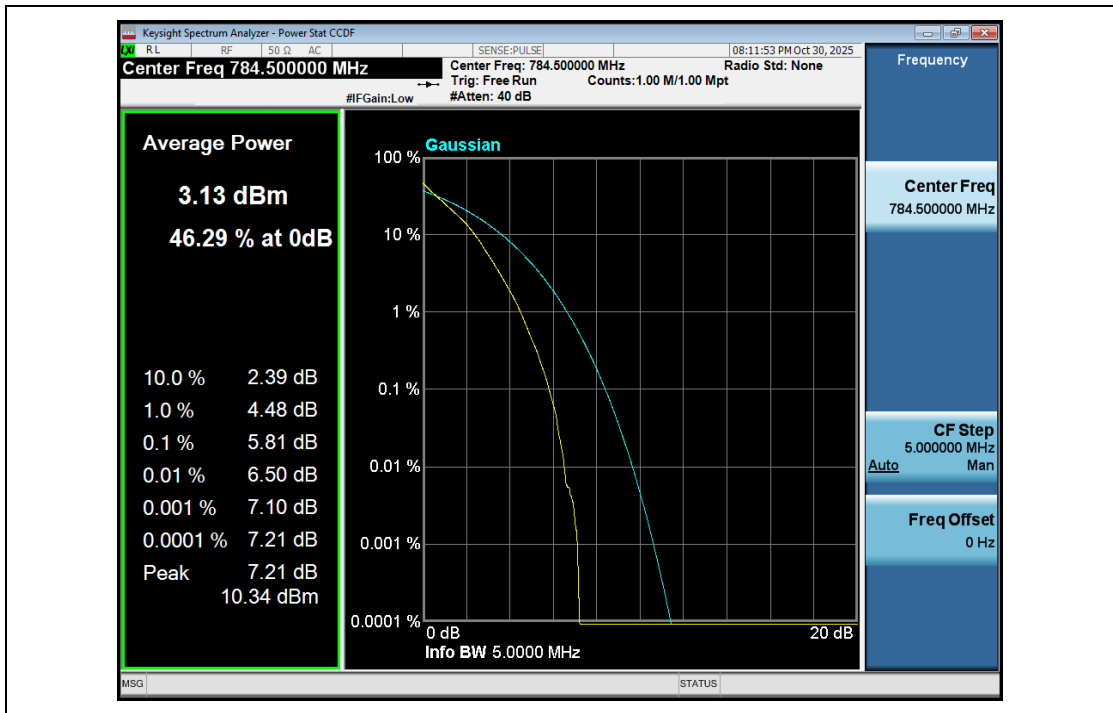
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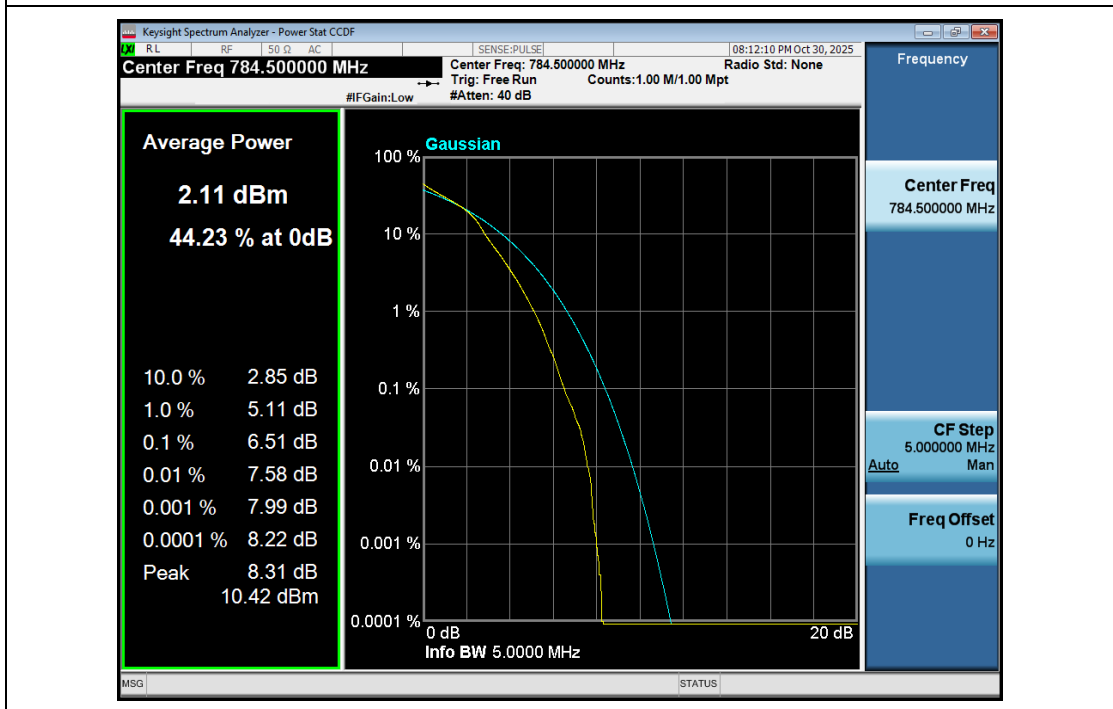
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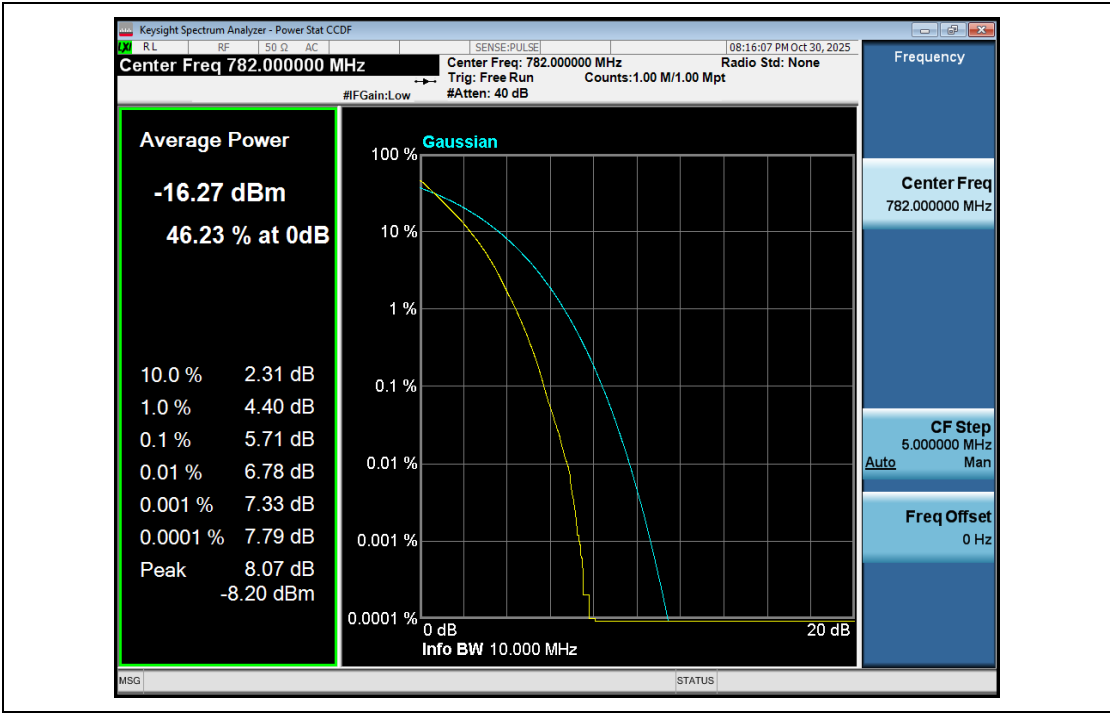
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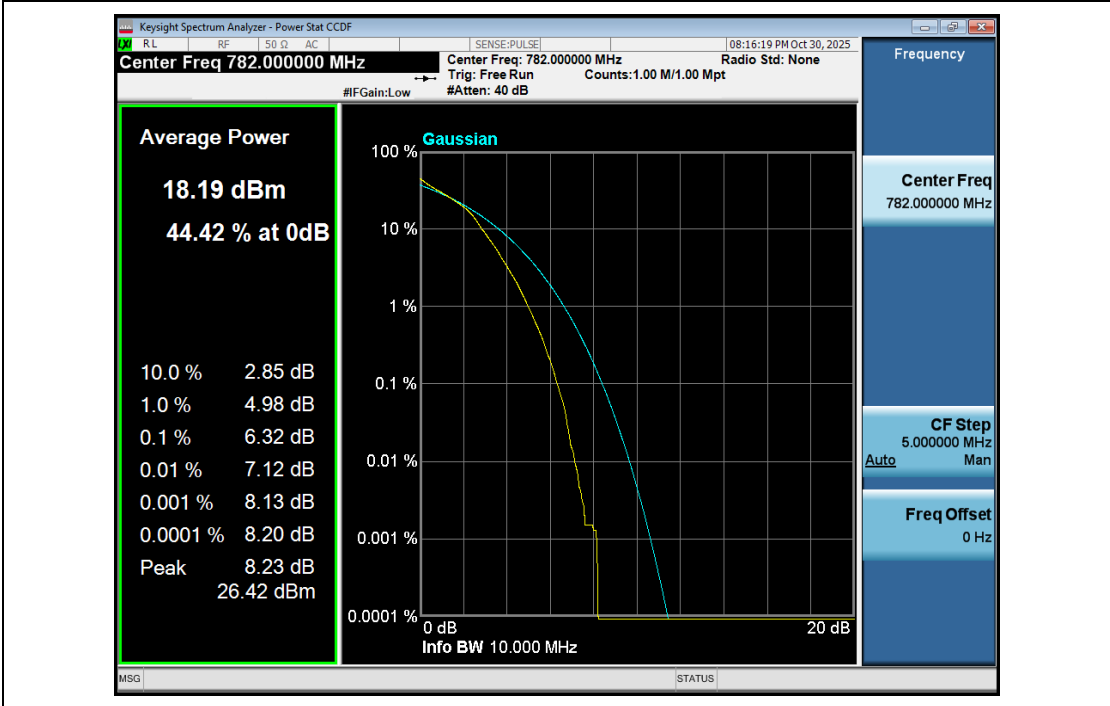
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SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0



SA_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0

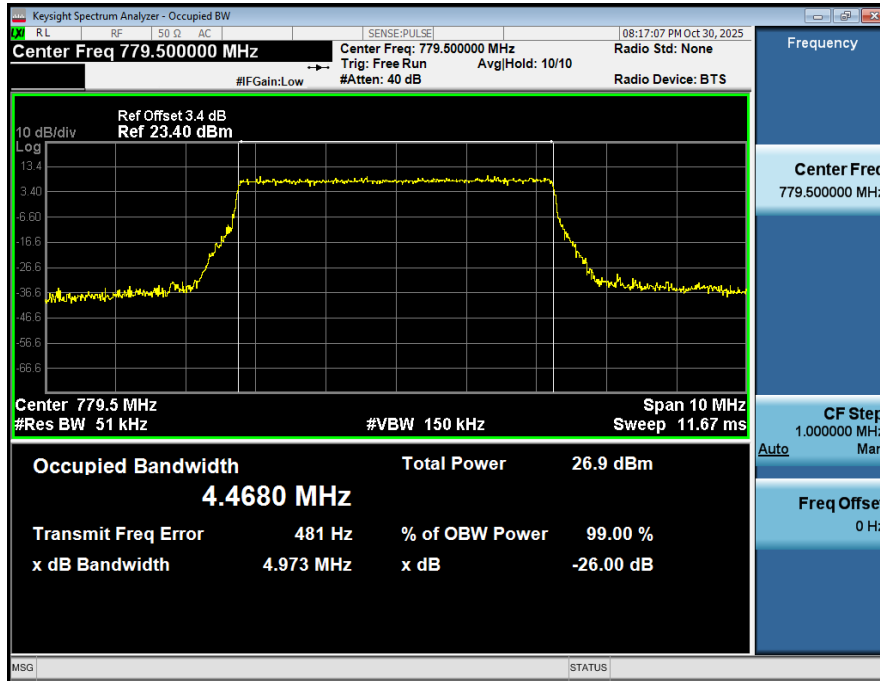


3. 26dB Bandwidth and Occupied Bandwidth

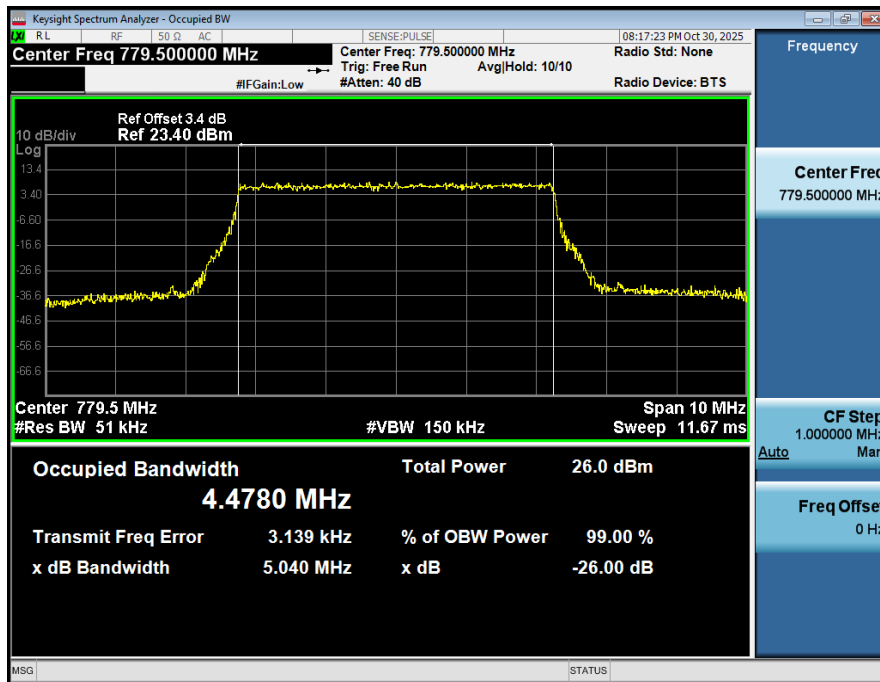
Test Result

Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	OBW(MHz)	-26EBW(MHz)
NV_NT	Band 13	QPSK	5M	779.5	25	0	4.4680	4.9730
NV_NT	Band 13	16QAM	5M	779.5	25	0	4.4780	5.0402
NV_NT	Band 13	QPSK	5M	782.0	25	0	4.4664	4.9725
NV_NT	Band 13	16QAM	5M	782.0	25	0	4.4687	4.9883
NV_NT	Band 13	QPSK	5M	784.5	25	0	4.4642	4.9843
NV_NT	Band 13	16QAM	5M	784.5	25	0	4.4674	5.0003
NV_NT	Band 13	QPSK	10M	782.0	50	0	8.9535	9.7575
NV_NT	Band 13	16QAM	10M	782.0	50	0	8.9437	9.7966

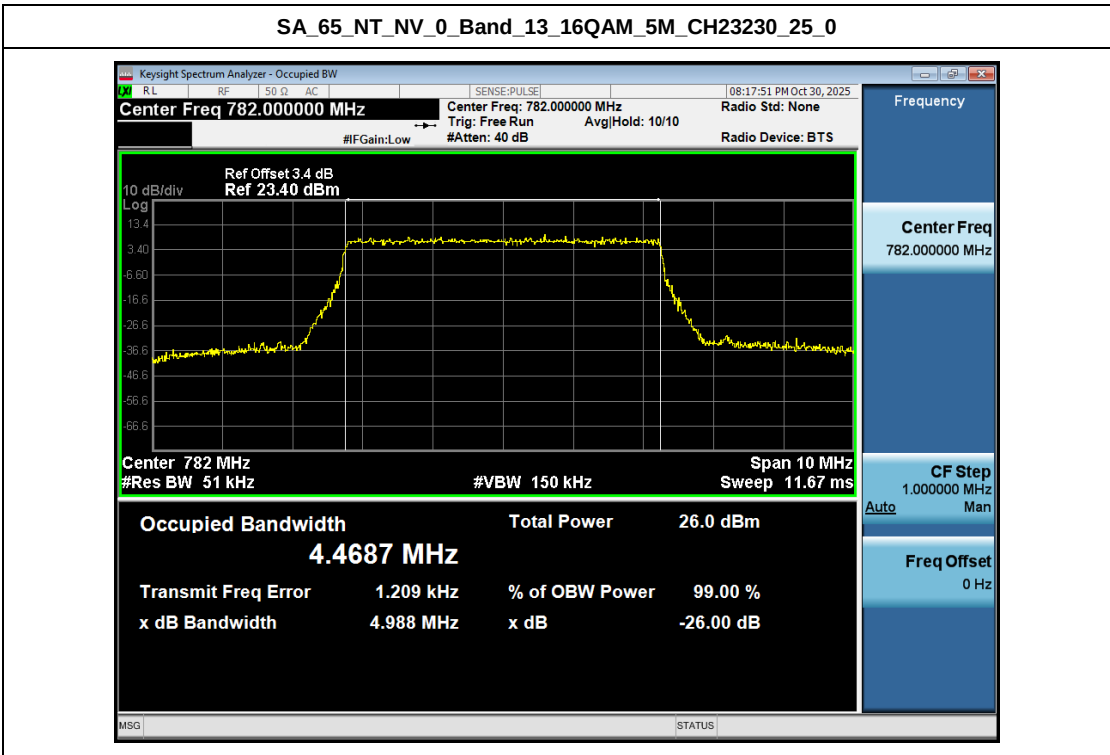
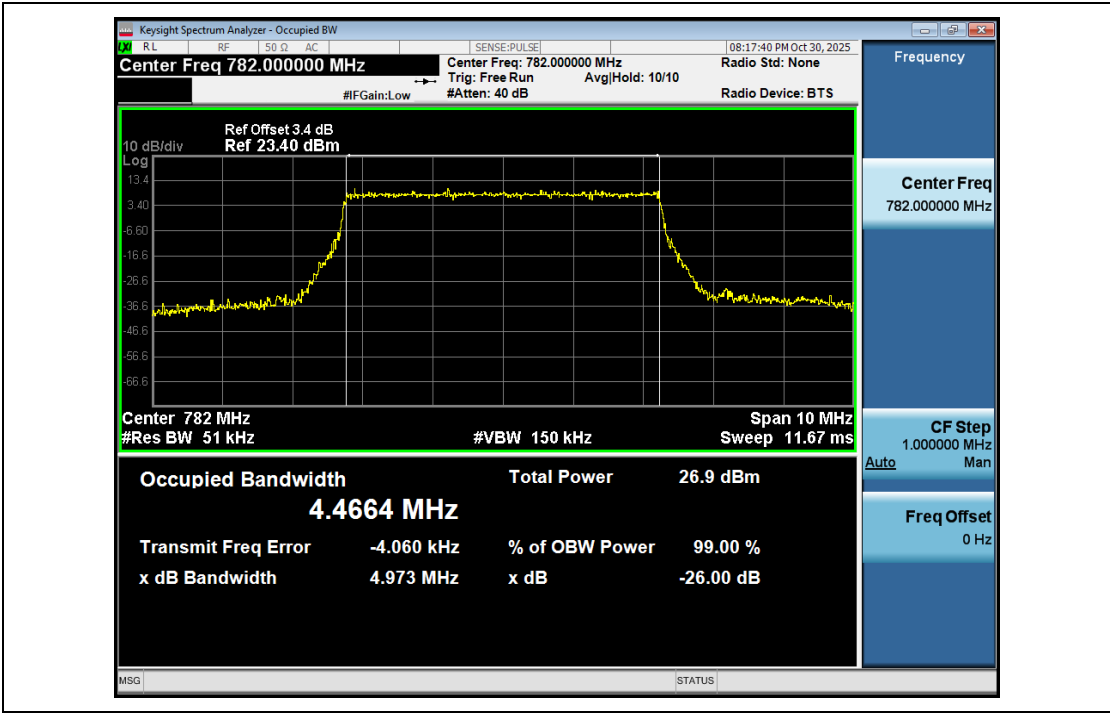
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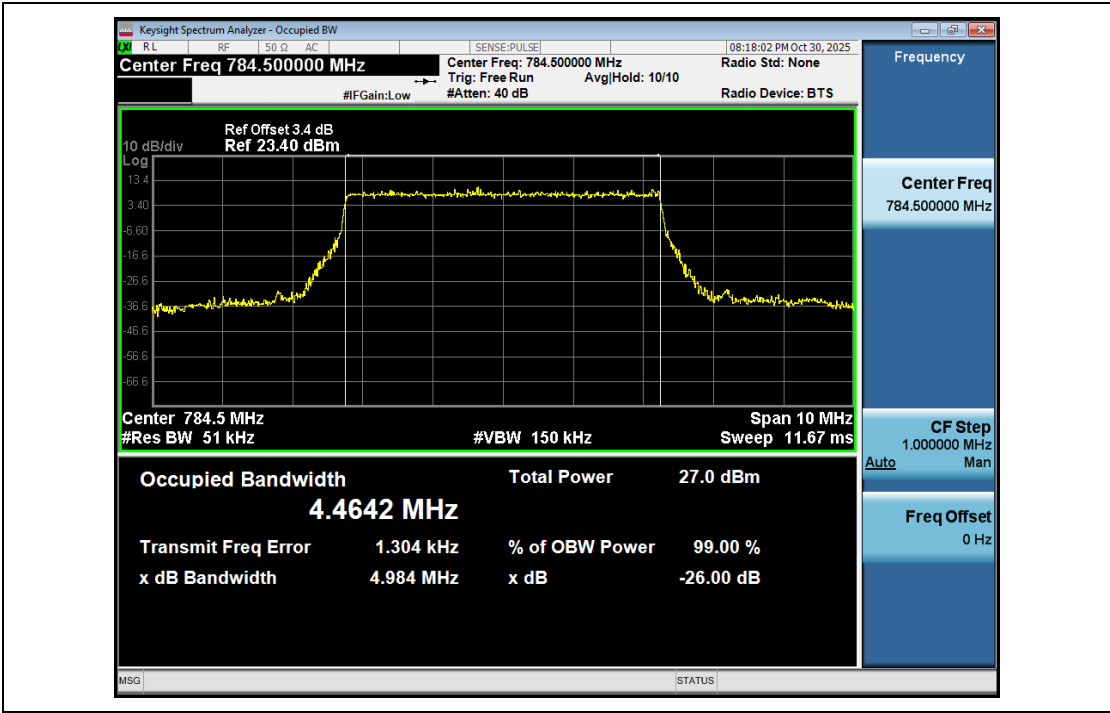
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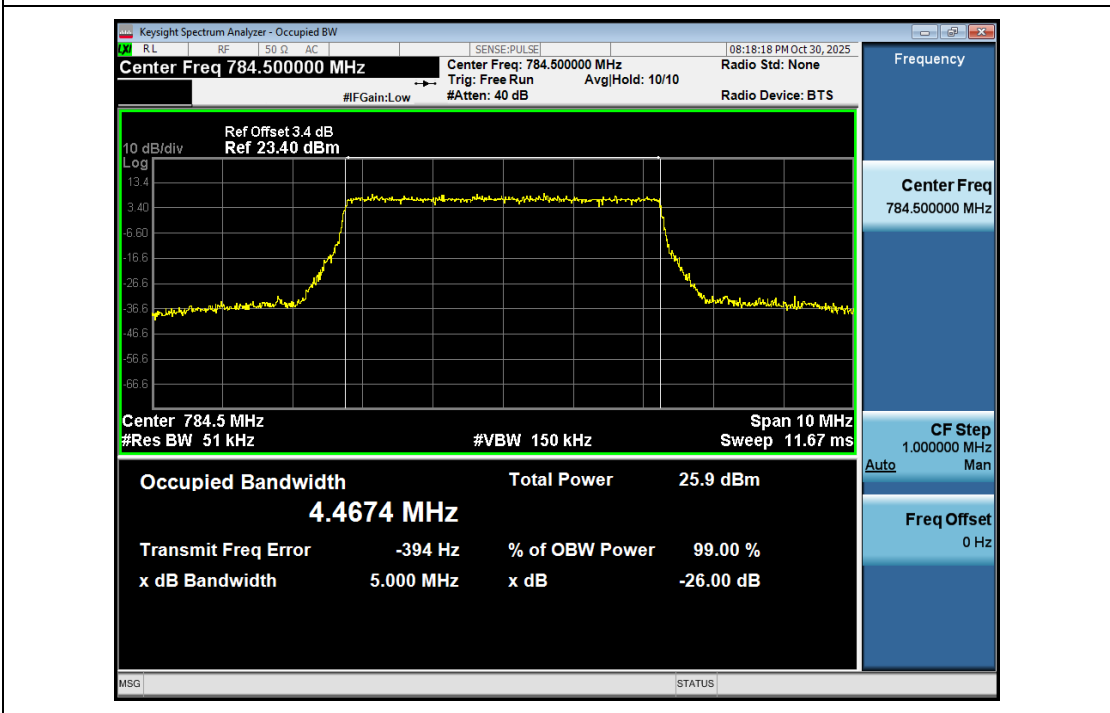
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SA_65_NT_NV_0_Band_13_QPSK_5M_CH23255_25_0



SA_65_NT_NV_0_Band_13_16QAM_5M_CH23255_25_0



SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0



SA_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0



4. Unwanted Spurious Emission&Band Edge

Test Result

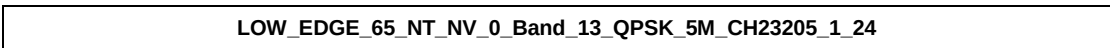
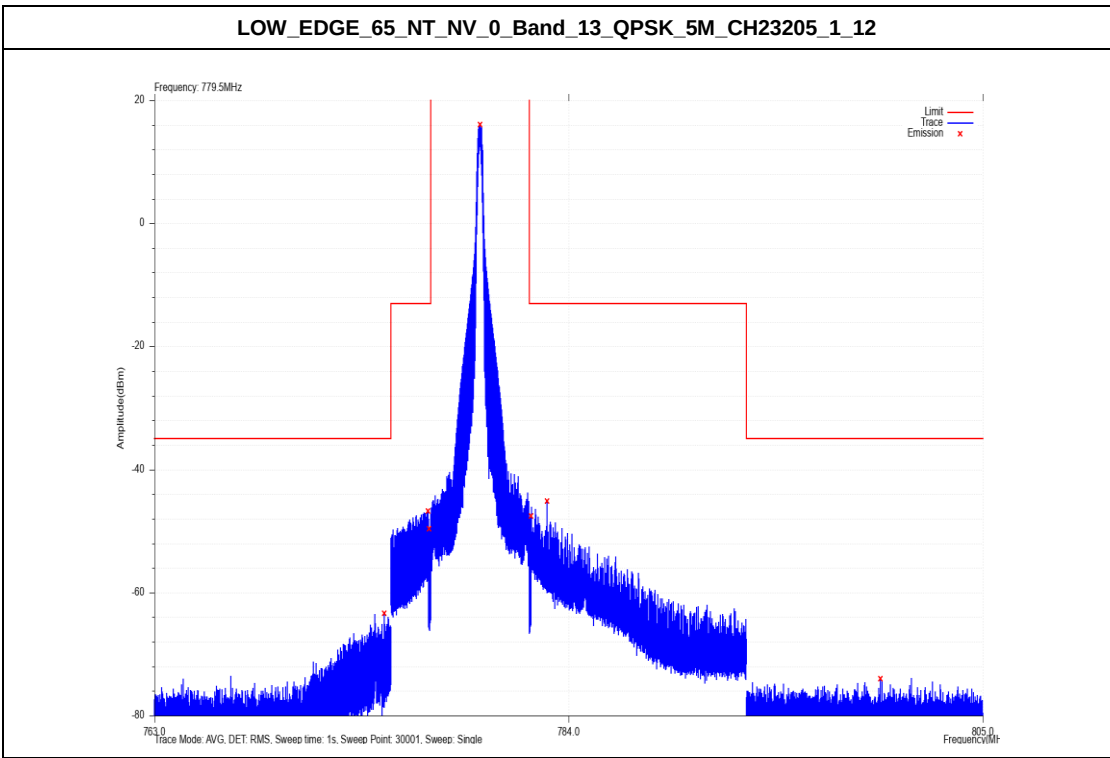
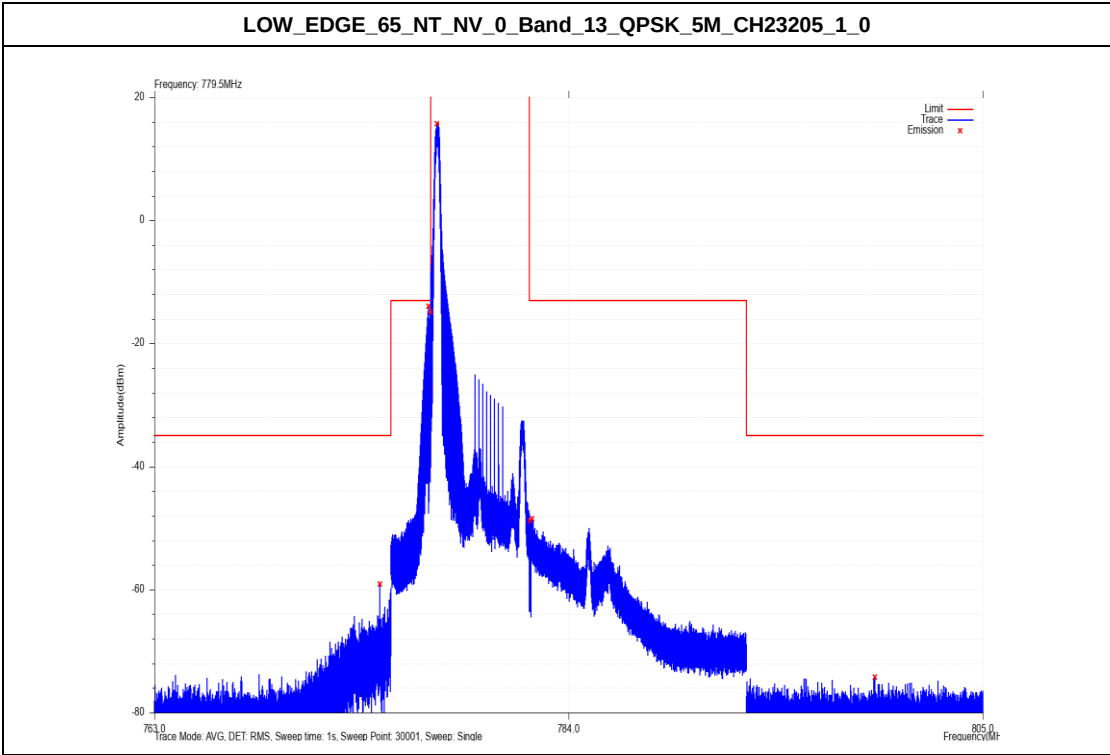
Condition	Band	Modulation	BW (MHz)	Frequency (MHz)	RB_Size	RB_start	RBW (kHz)	Test Freq Range (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Result
NV_NT	Band 13	QPSK	5M	779.5	1	0	6.25	763.0~775.0	774.439	-59.13	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	775.0~776.9	776.896	-13.96	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	776.9~777.0	776.998	-14.89	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	782.0~782.1	782.032	-48.78	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	782.1~793.0	782.135	-48.49	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	6.25	793.0~805.0	799.527	-74.25	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	763.0~775.0	774.643	-63.36	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	775.0~776.9	776.855	-46.75	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	776.9~777.0	776.937	-49.64	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	782.0~782.1	782.083	-47.60	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	782.1~793.0	782.904	-45.17	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	793.0~805.0	799.802	-73.95	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	763.0~775.0	774.024	-58.53	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	775.0~776.9	776.214	-38.25	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	776.9~777.0	776.909	-40.14	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	782.0~782.1	782.000	-14.52	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	782.1~793.0	782.100	-13.84	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	793.0~805.0	799.906	-73.97	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	763.0~775.0	774.732	-50.75	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	775.0~776.9	776.897	-24.93	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	776.9~777.0	777.000	-26.77	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	782.0~782.1	782.001	-26.55	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	782.1~793.0	782.130	-26.80	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	793.0~805.0	793.184	-66.14	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1	0.009~0.150	0.011	-53.29	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	10	0.150~30.000	0.153	-59.24	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	30.000~763.000	760.679	-62.53	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	805.000~1000.000	885.236	-61.91	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1000.000~1559.000	1554.603	-51.25	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1559.000~1610.000	1569.236	-56.15	-40	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1610.000~10000.000	2331.820	-53.07	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	6.25	763.0~775.0	774.936	-60.89	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	775.0~776.9	776.900	-13.67	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	30	776.9~777.0	777.000	-14.75	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	30	782.0~782.1	782.096	-39.41	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	782.1~793.0	782.131	-48.20	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	6.25	793.0~805.0	794.075	-74.35	-35	Pass

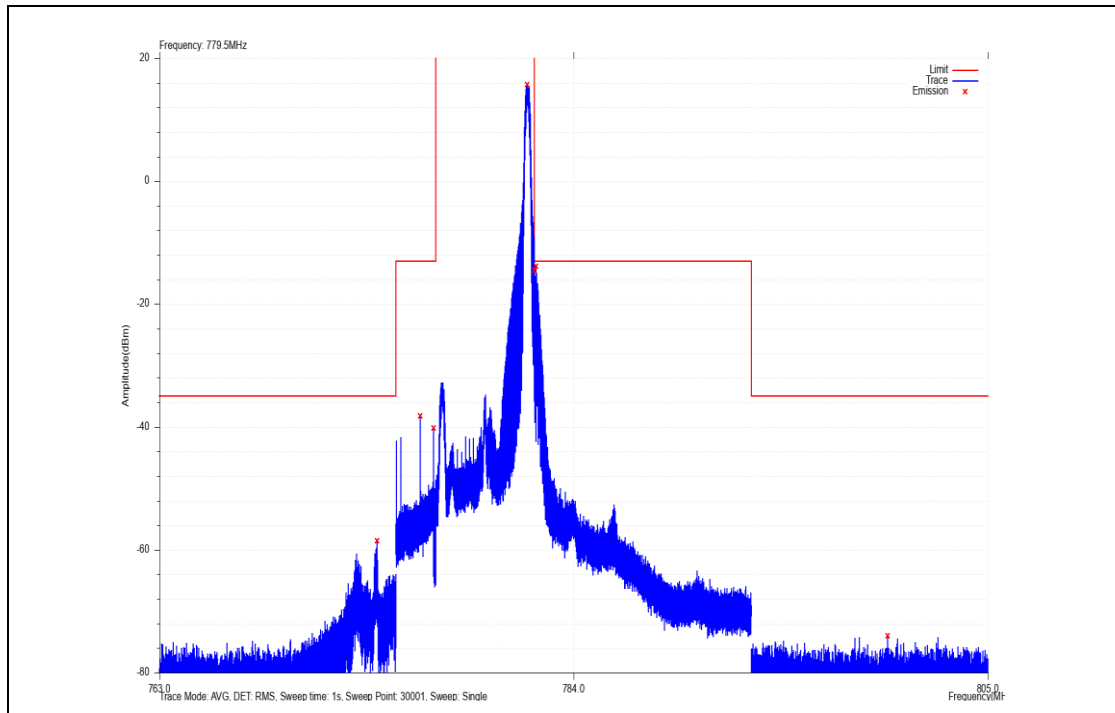
NV_NT	Band 13	16QAM	5M	779.5	1	12	6.25	763.0~775.0	774.930	-62.93	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	12	100	775.0~776.9	776.369	-46.60	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	12	30	776.9~777.0	776.983	-48.54	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	12	30	782.0~782.1	782.039	-48.73	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	12	100	782.1~793.0	782.538	-46.03	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	12	6.25	793.0~805.0	795.438	-73.44	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	6.25	763.0~775.0	774.040	-56.77	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	100	775.0~776.9	775.504	-39.51	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	30	776.9~777.0	776.997	-48.58	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	30	782.0~782.1	782.000	-13.98	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	100	782.1~793.0	782.109	-13.19	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	24	6.25	793.0~805.0	796.358	-73.94	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	6.25	763.0~775.0	774.918	-50.72	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	100	775.0~776.9	776.900	-25.65	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	30	776.9~777.0	776.993	-26.50	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	30	782.0~782.1	782.002	-25.97	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	100	782.1~793.0	782.119	-26.11	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	6.25	793.0~805.0	793.460	-67.70	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	1	0.009~0.150	0.010	-56.13	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	10	0.150~30.000	0.157	-58.39	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	30.000~763.000	518.154	-62.20	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	805.000~1000.000	933.596	-61.95	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	1000	1000.000~1559.000	1554.528	-50.45	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	1000	1559.000~1610.000	1564.822	-56.36	-40	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	1000	1610.000~10000.000	2332.379	-48.98	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	1	0.009~0.150	0.010	-55.67	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	10	0.150~30.000	0.157	-57.84	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	100	30.000~763.000	660.722	-62.40	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	100	805.000~1000.000	903.020	-62.20	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	1000	1000.000~1559.000	1558.161	-56.32	-13	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	1000	1559.000~1610.000	1563.449	-55.19	-40	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	1000	1610.000~10000.000	2428.305	-52.92	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	1	0.009~0.150	0.010	-55.61	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	10	0.150~30.000	0.150	-57.22	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	100	30.000~763.000	438.379	-62.51	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	100	805.000~1000.000	812.722	-62.64	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	1000	1000.000~1559.000	1519.330	-56.22	-13	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	1000	1559.000~1610.000	1564.122	-55.40	-40	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	1000	1610.000~10000.000	4656.129	-46.93	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	0	6.25	763.0~775.0	773.707	-71.27	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	0	100	775.0~781.9	781.891	-14.28	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	0	30	781.9~782.0	781.998	-15.16	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	0	30	787.0~787.1	787.058	-47.48	-13	Pass

NV_NT	Band 13	QPSK	5M	784.5	1	0	100	787.1~793.0	787.106	-47.85	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	0	6.25	793.0~805.0	793.114	-72.70	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	6.25	763.0~775.0	774.264	-73.13	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	100	775.0~781.9	781.850	-46.28	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	30	781.9~782.0	781.952	-47.84	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	30	787.0~787.1	787.039	-48.66	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	100	787.1~793.0	787.378	-47.42	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	12	6.25	793.0~805.0	793.353	-72.74	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	6.25	763.0~775.0	767.693	-73.79	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	100	775.0~781.9	781.877	-49.36	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	30	781.9~782.0	781.933	-49.92	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	30	787.0~787.1	787.002	-14.40	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	100	787.1~793.0	787.106	-14.77	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	6.25	793.0~805.0	793.343	-72.30	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	6.25	763.0~775.0	774.534	-61.06	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	100	775.0~781.9	781.899	-26.46	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	30	781.9~782.0	782.000	-26.67	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	30	787.0~787.1	787.004	-26.14	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	100	787.1~793.0	787.101	-25.98	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	6.25	793.0~805.0	794.601	-61.53	-35	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	1	0.009~0.150	0.011	-56.09	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	10	0.150~30.000	0.150	-58.06	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	100	30.000~763.000	581.460	-62.98	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	100	805.000~1000.000	899.803	-62.33	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	1000	1000.000~1559.000	1537.777	-56.35	-13	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	1000	1559.000~1610.000	1573.513	-51.08	-40	Pass
NV_NT	Band 13	QPSK	5M	784.5	1	24	1000	1610.000~10000.000	2359.786	-51.64	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	6.25	763.0~775.0	773.619	-70.29	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	100	775.0~781.9	781.892	-15.27	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	30	781.9~782.0	781.998	-16.03	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	30	787.0~787.1	787.063	-50.15	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	100	787.1~793.0	787.162	-47.43	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	0	6.25	793.0~805.0	793.050	-71.33	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	6.25	763.0~775.0	768.715	-73.67	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	100	775.0~781.9	781.830	-46.18	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	30	781.9~782.0	781.972	-47.92	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	30	787.0~787.1	787.031	-50.27	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	100	787.1~793.0	787.310	-46.36	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	12	6.25	793.0~805.0	793.159	-72.27	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	6.25	763.0~775.0	774.954	-72.83	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	100	775.0~781.9	781.900	-47.66	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	30	781.9~782.0	781.967	-48.96	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	30	787.0~787.1	787.000	-15.22	-13	Pass

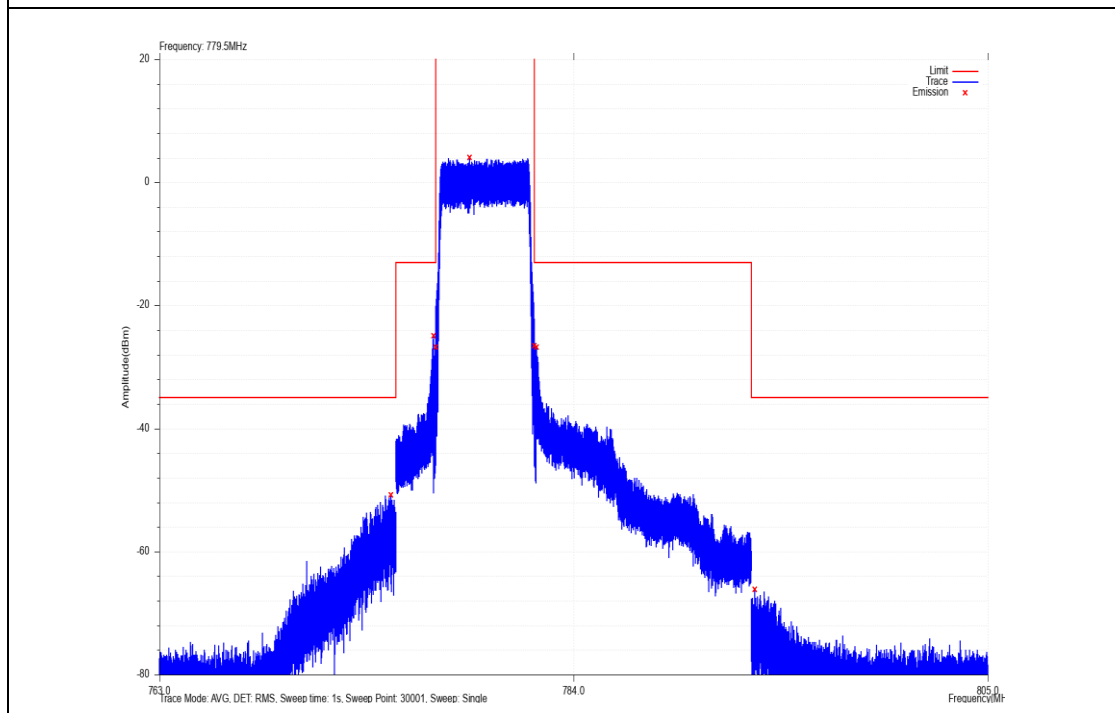
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NV_NT	Band 13	16QAM	5M	784.5	25	0	6.25	763.0~775.0	774.138	-63.81	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	100	775.0~781.9	781.887	-27.77	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	30	781.9~782.0	782.000	-28.20	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	30	787.0~787.1	787.001	-28.26	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	100	787.1~793.0	787.116	-27.52	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	6.25	793.0~805.0	793.115	-61.14	-35	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	1	0.009~0.150	0.010	-56.38	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	10	0.150~30.000	0.150	-57.86	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	100	30.000~763.000	118.033	-62.43	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	100	805.000~1000.000	945.407	-62.48	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	1000	1000.000~1559.000	1484.970	-56.34	-13	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	1000	1559.000~1610.000	1573.200	-49.79	-40	Pass
NV_NT	Band 13	16QAM	5M	784.5	1	24	1000	1610.000~10000.000	2360.346	-42.63	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	6.25	763.0~775.0	774.937	-50.95	-35	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	100	775.0~776.9	776.897	-18.56	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	30	776.9~777.0	776.999	-21.16	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	30	787.0~787.1	787.070	-52.05	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	100	787.1~793.0	787.348	-39.44	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	0	6.25	793.0~805.0	793.002	-58.90	-35	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	6.25	763.0~775.0	774.938	-65.02	-35	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	100	775.0~776.9	776.839	-50.00	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	30	776.9~777.0	776.903	-53.14	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	30	787.0~787.1	787.068	-52.33	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	100	787.1~793.0	787.114	-48.86	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	25	6.25	793.0~805.0	793.409	-67.48	-35	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	6.25	763.0~775.0	771.009	-61.55	-35	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	100	775.0~776.9	776.434	-41.63	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	30	776.9~777.0	776.938	-44.79	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	30	787.0~787.1	787.000	-20.73	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	100	787.1~793.0	787.108	-18.48	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	1	49	6.25	793.0~805.0	795.205	-66.51	-35	Pass
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NV_NT	Band 13	QPSK	10M	782.0	50	0	30	787.0~787.1	787.016	-33.75	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	100	787.1~793.0	787.102	-31.01	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	6.25	793.0~805.0	793.157	-50.87	-35	Pass
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NV_NT	Band 13	QPSK	10M	782.0	50	0	10	0.150~30.000	0.166	-57.75	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	100	30.000~763.000	697.103	-62.11	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	100	805.000~1000.000	807.490	-62.58	-13	Pass

NV_NT	Band 13	QPSK	10M	782.0	50	0	1000	1000.000~1559.000	1540.218	-56.19	-13	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	1000	1559.000~1610.000	1563.503	-55.61	-40	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	1000	1610.000~10000.000	4655.850	-50.92	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	6.25	763.0~775.0	773.226	-63.22	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	100	775.0~776.9	776.900	-18.32	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	30	776.9~777.0	776.993	-21.10	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	30	787.0~787.1	787.091	-46.22	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	100	787.1~793.0	787.387	-41.68	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	0	6.25	793.0~805.0	793.016	-60.69	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	6.25	763.0~775.0	774.557	-65.04	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	100	775.0~776.9	775.889	-50.06	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	30	776.9~777.0	776.909	-54.04	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	30	787.0~787.1	787.043	-54.07	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	100	787.1~793.0	787.990	-52.54	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	25	6.25	793.0~805.0	793.993	-68.44	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	6.25	763.0~775.0	771.043	-63.11	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	100	775.0~776.9	775.106	-50.06	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	30	776.9~777.0	776.955	-52.41	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	30	787.0~787.1	787.009	-19.98	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	100	787.1~793.0	787.110	-18.41	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	1	49	6.25	793.0~805.0	795.205	-65.68	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.25	763.0~775.0	774.966	-50.36	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	775.0~776.9	776.893	-32.57	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	30	776.9~777.0	776.984	-35.21	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	30	787.0~787.1	787.036	-33.48	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	787.1~793.0	787.117	-32.40	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.25	793.0~805.0	793.465	-53.50	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1	0.009~0.150	0.010	-55.71	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	10	0.150~30.000	0.155	-56.68	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	30.000~763.000	678.949	-62.58	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	805.000~1000.000	860.126	-62.10	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1000.000~1559.000	1249.668	-56.46	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1559.000~1610.000	1563.860	-56.00	-40	Pass
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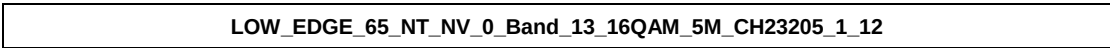
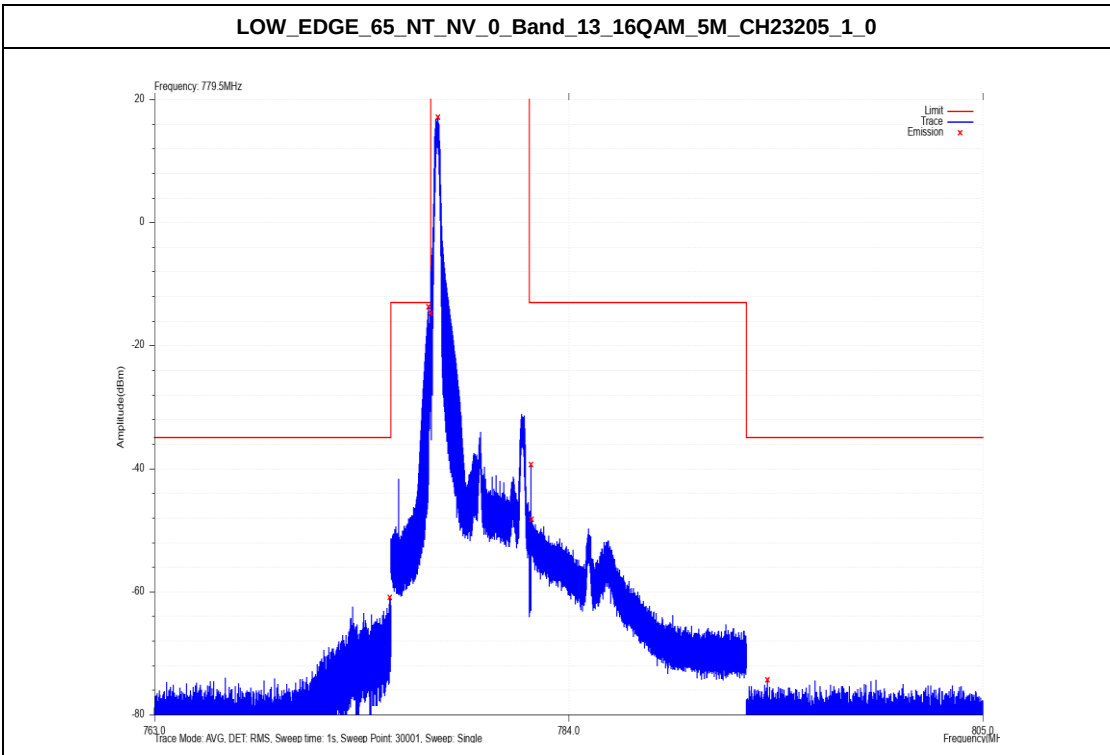
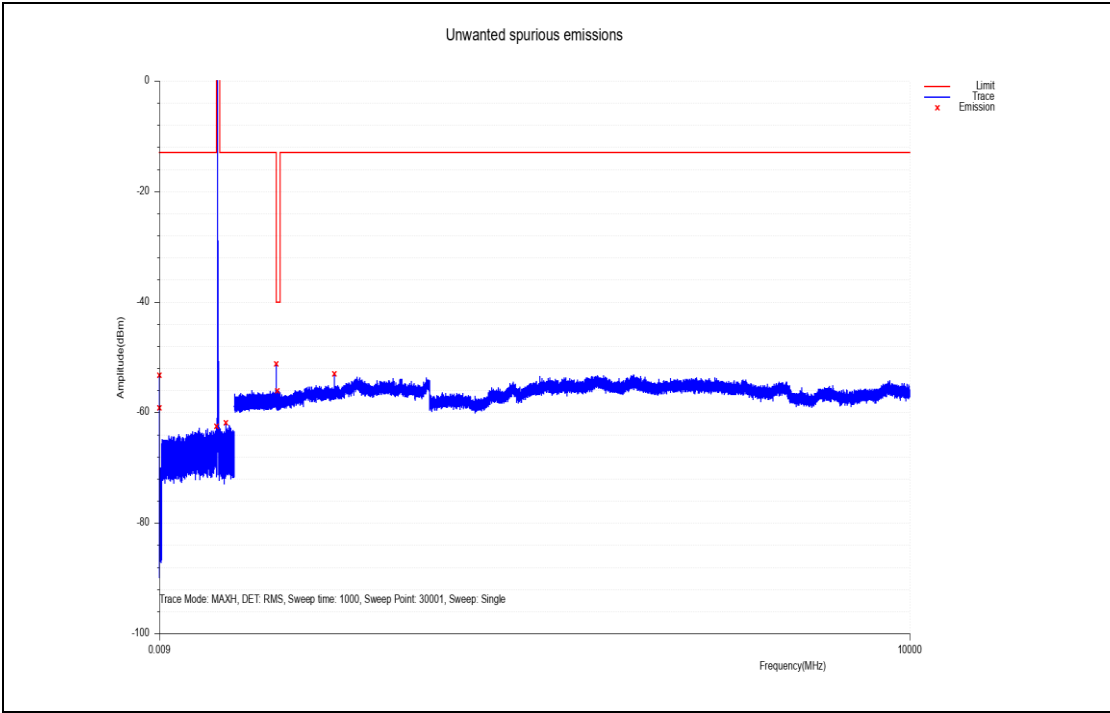


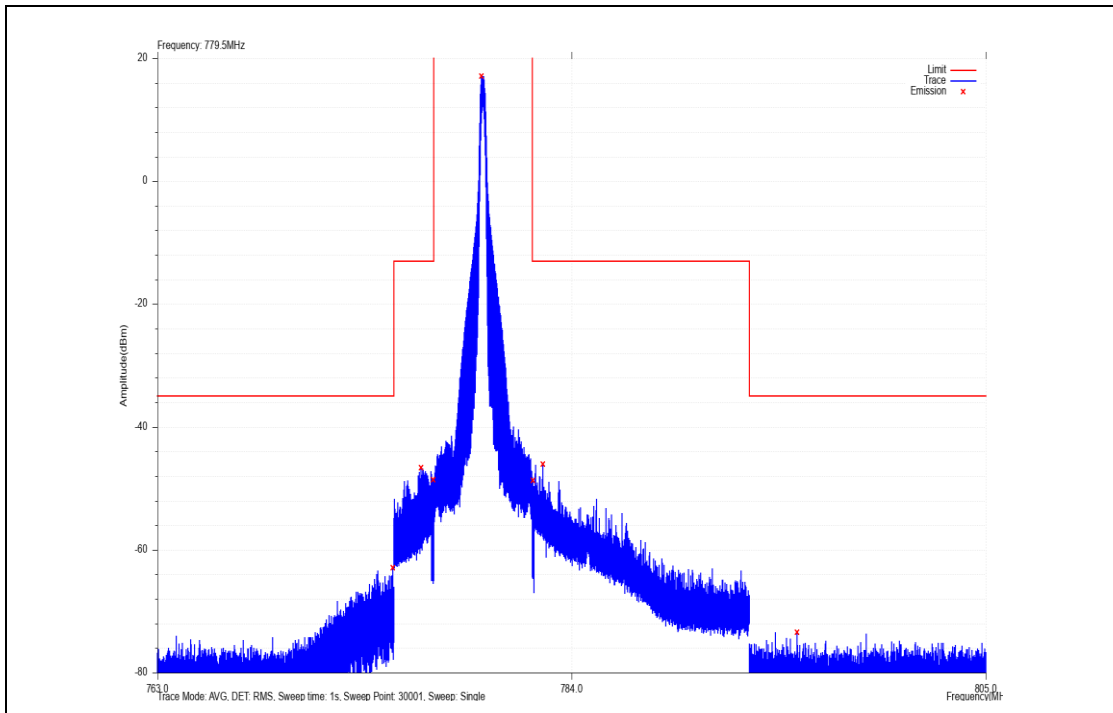


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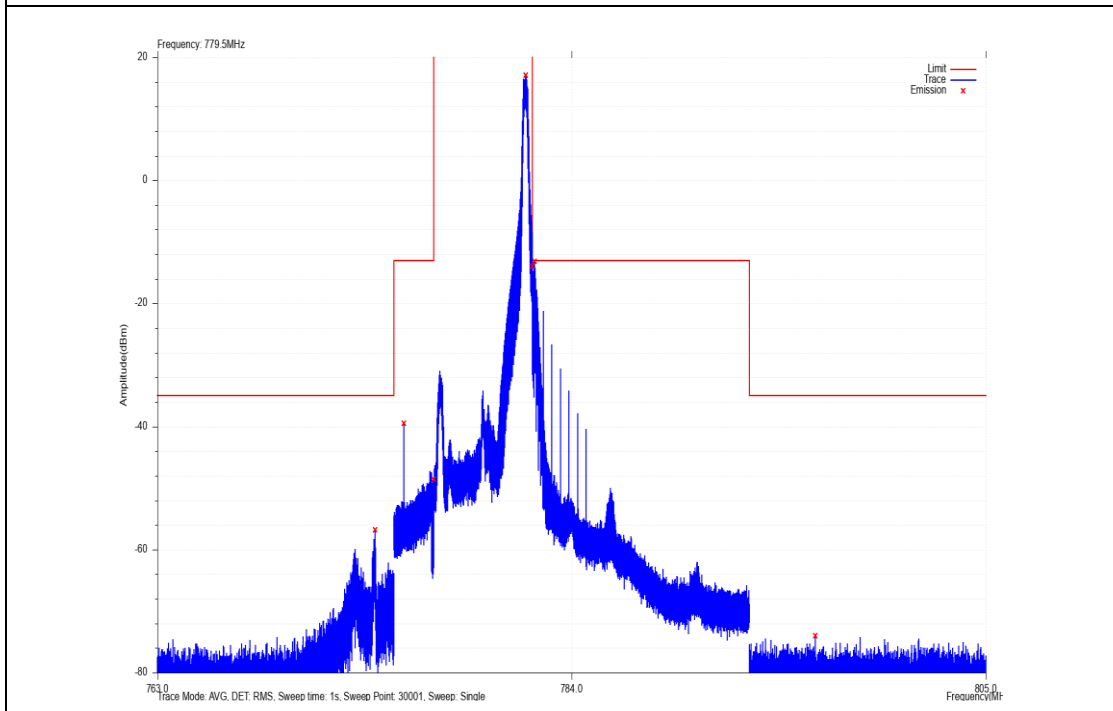


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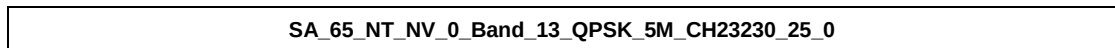
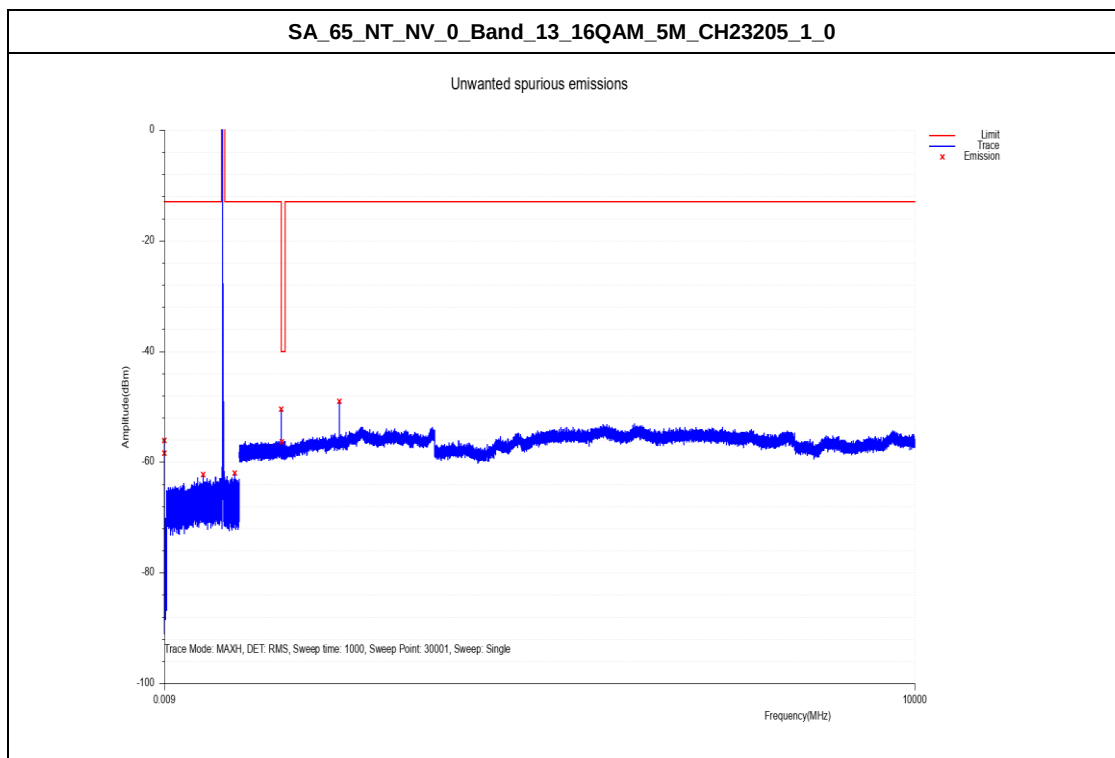
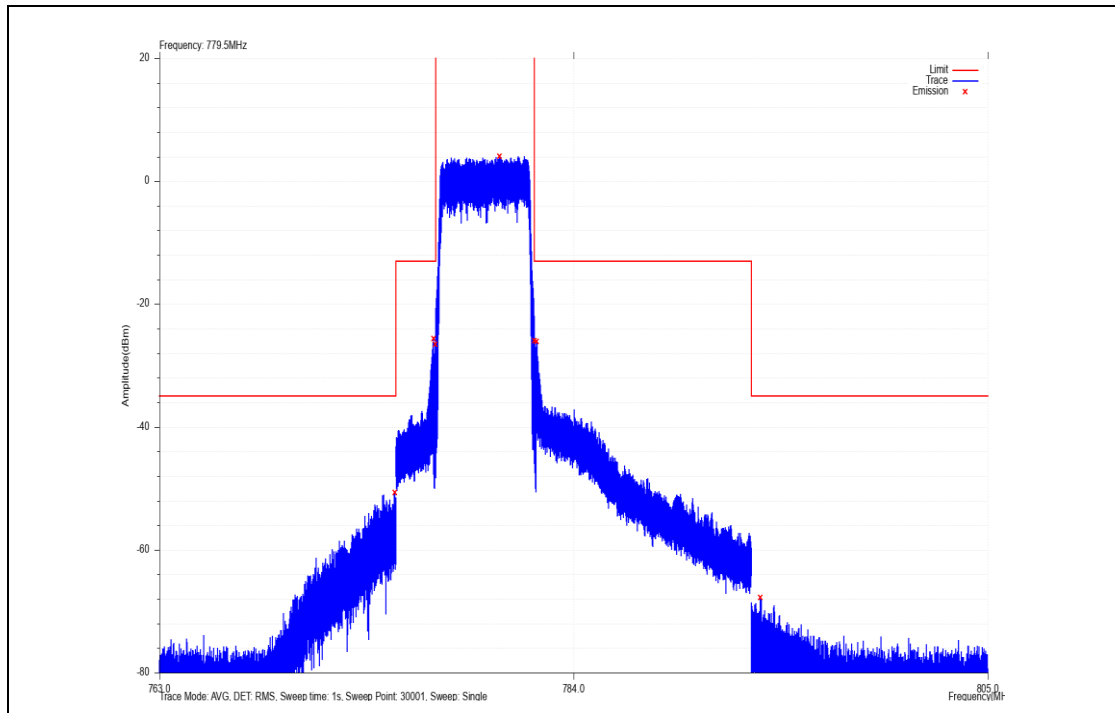


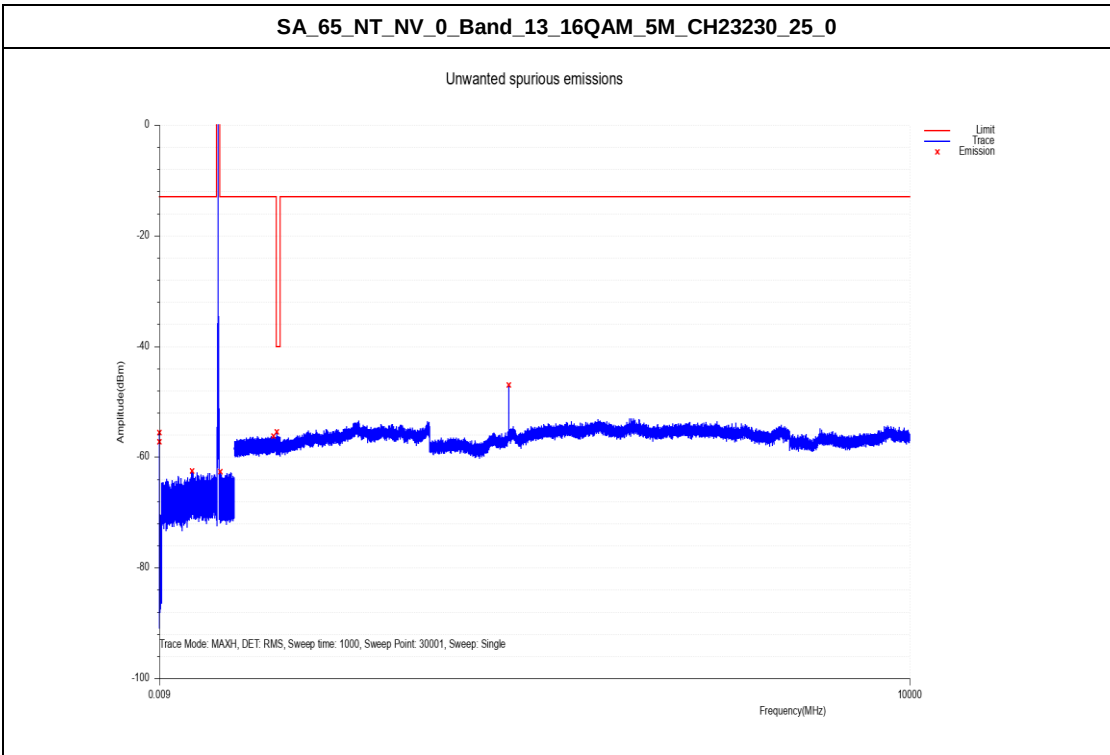
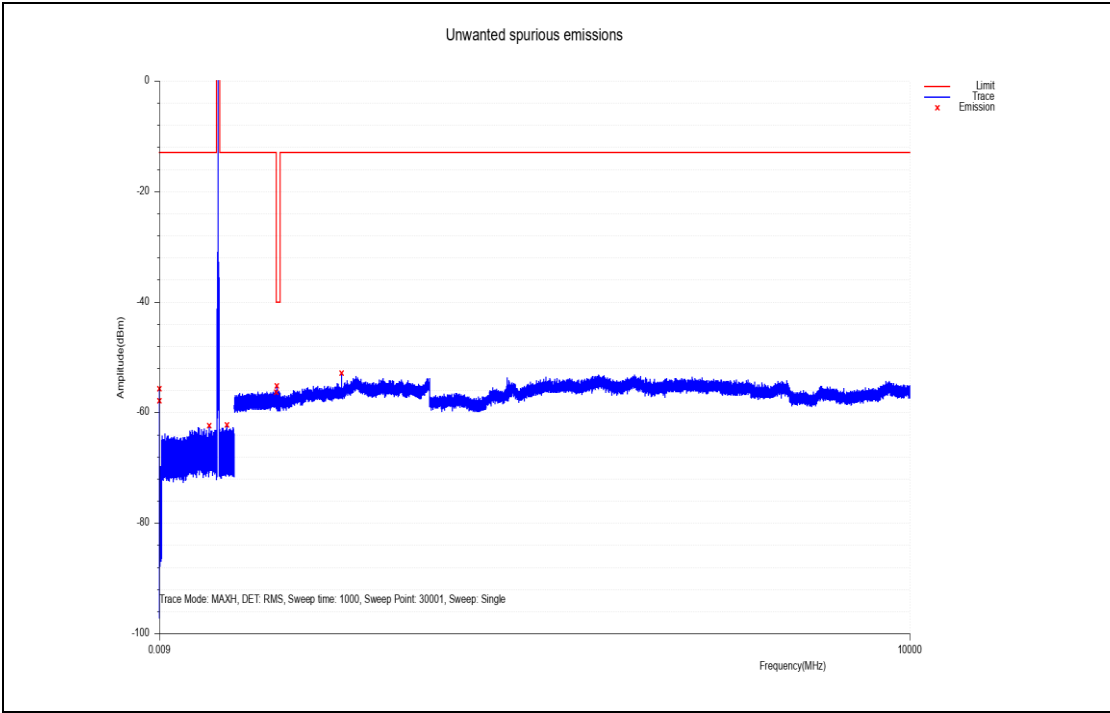


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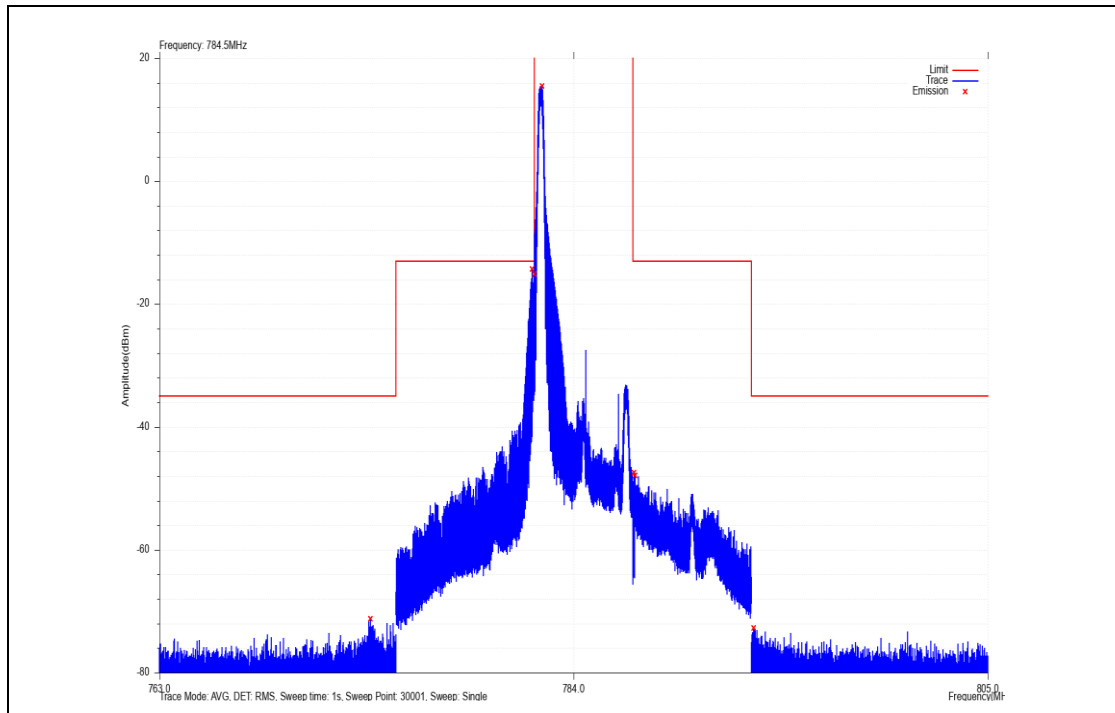


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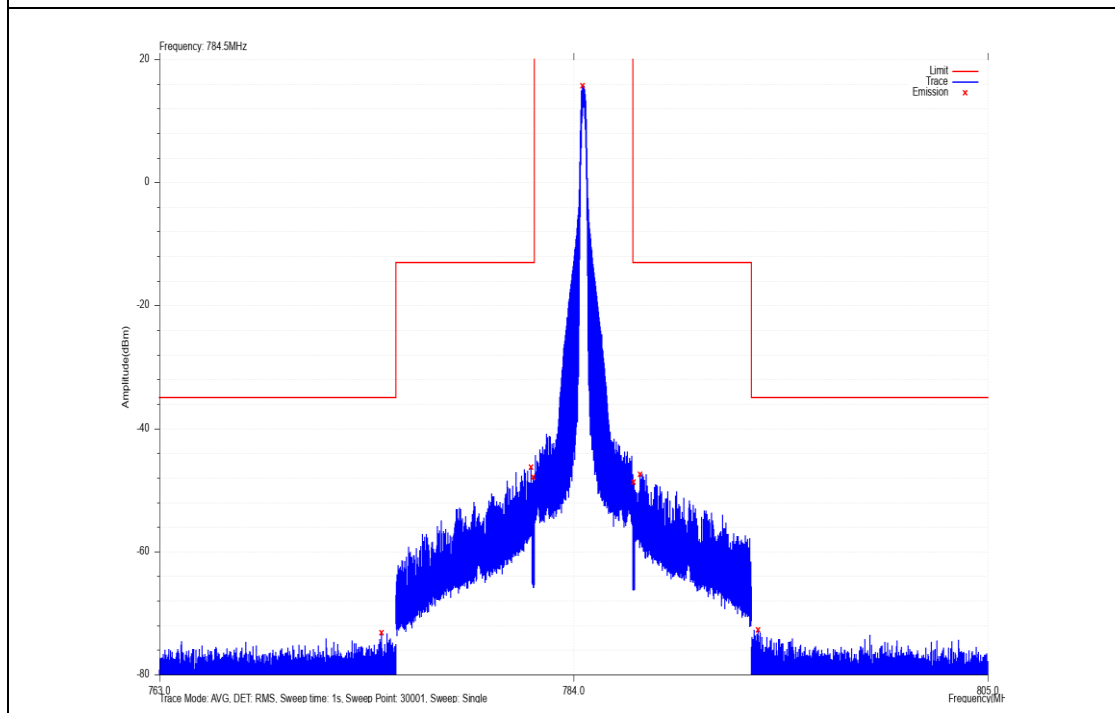




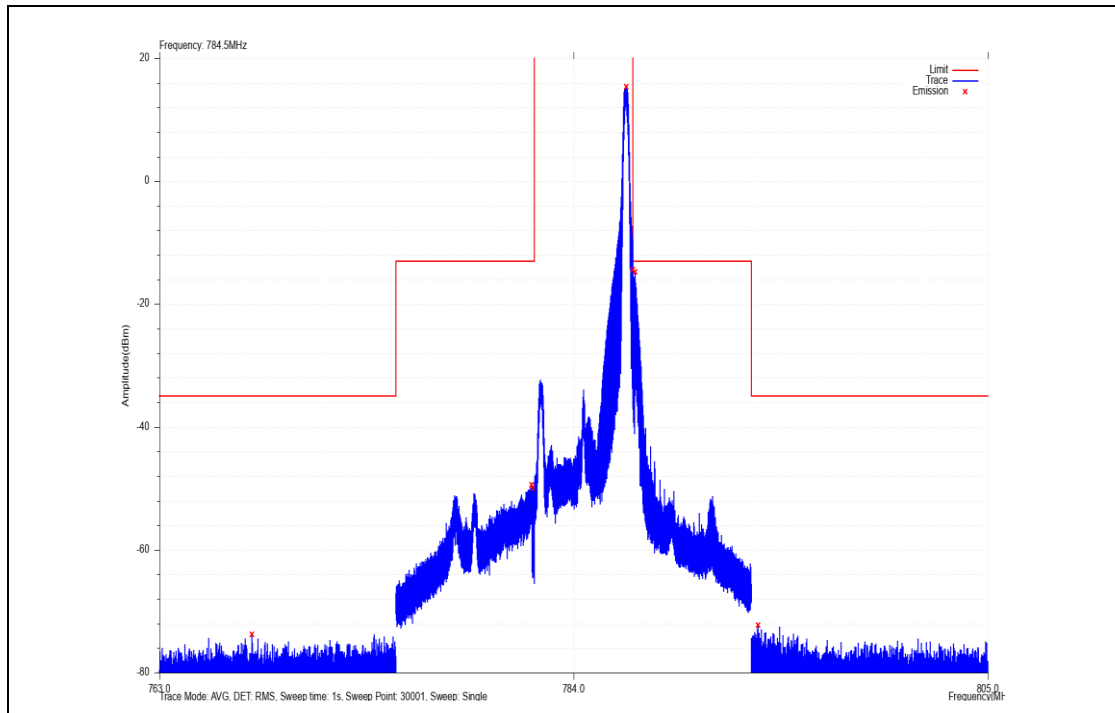
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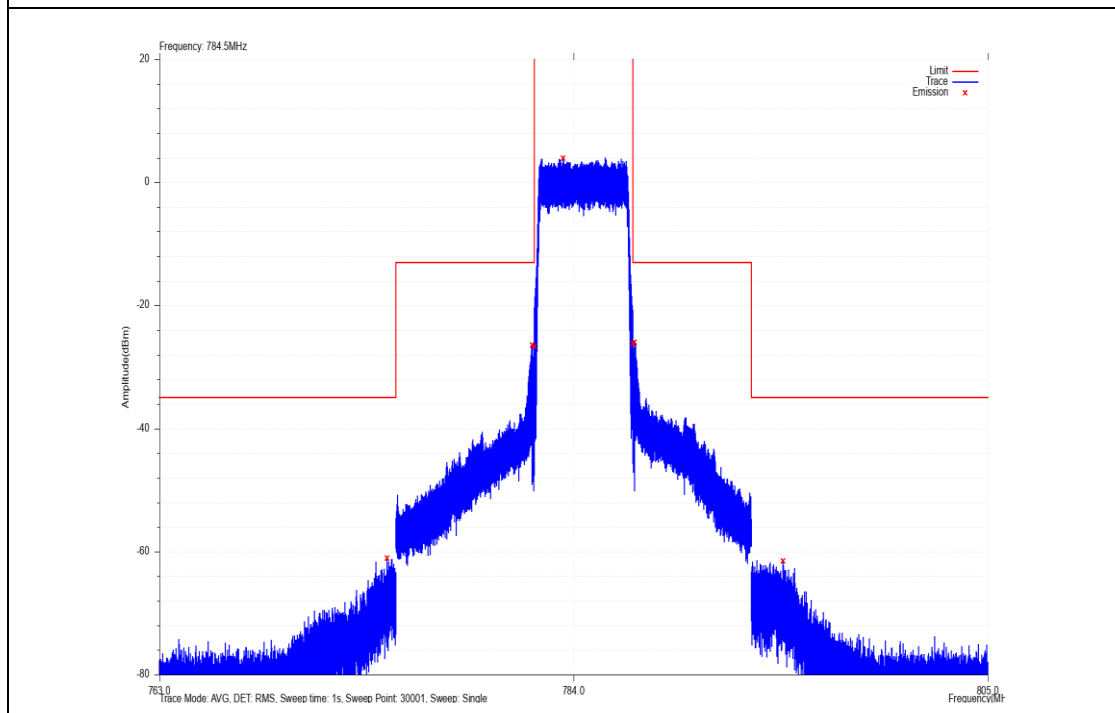
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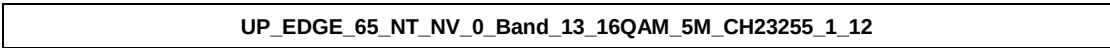
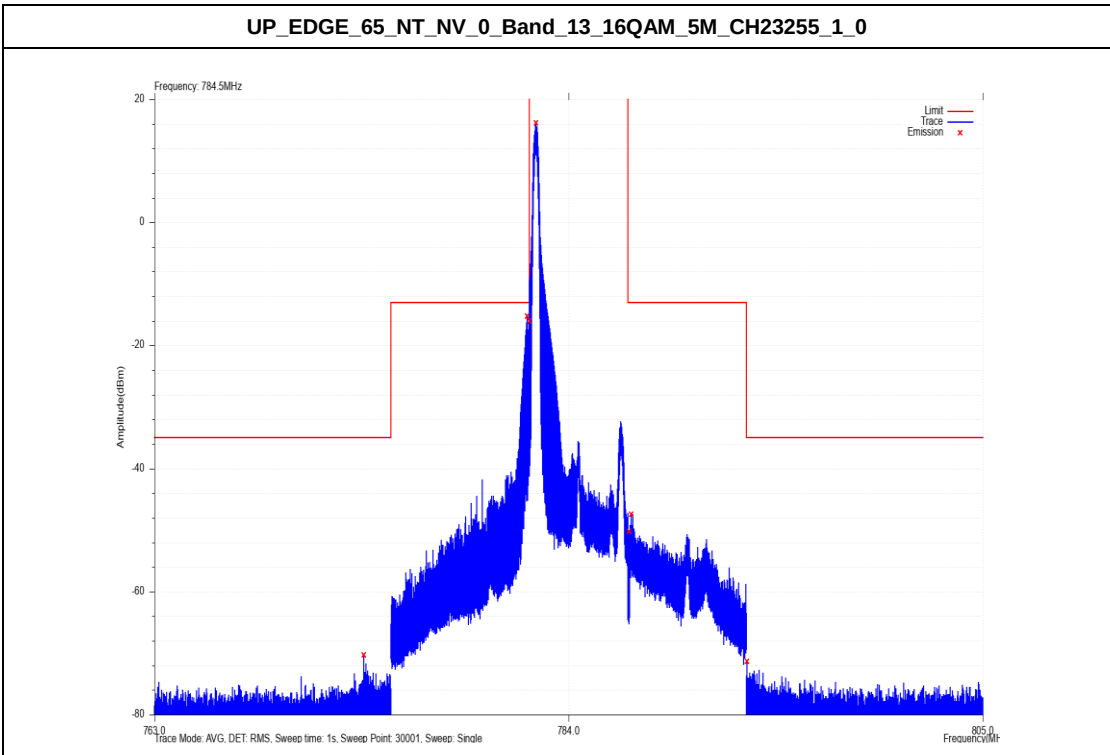
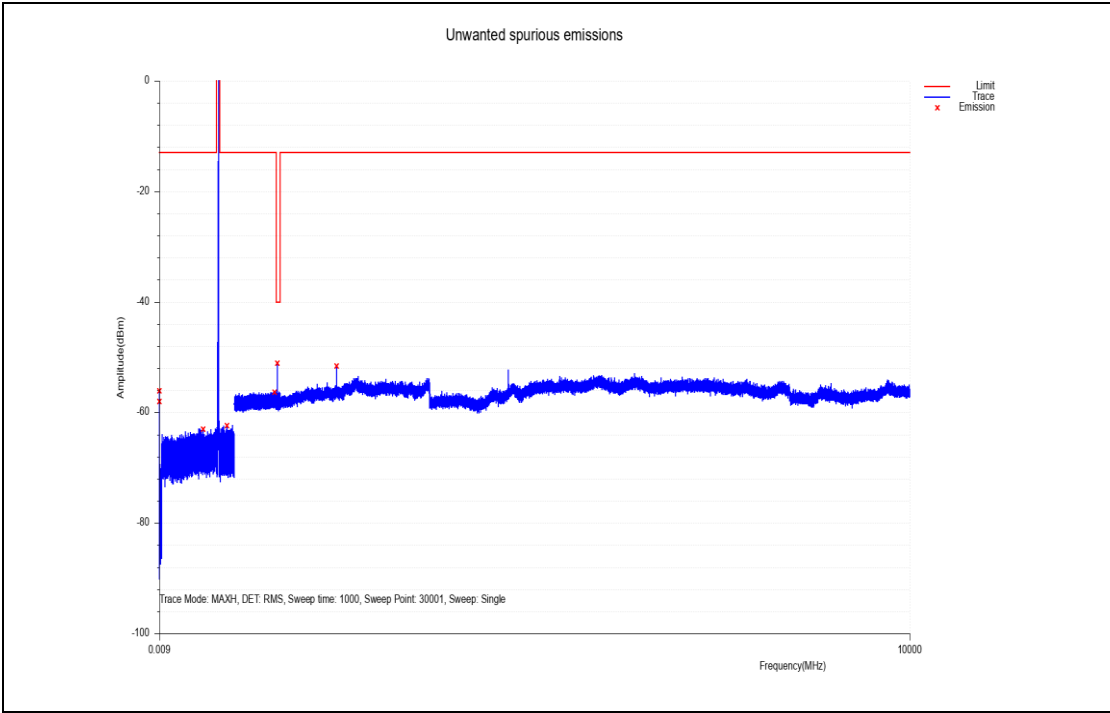
UP_EDGE_65_NT_NV_0_Band_13_QPSK_5M_CH23255_1_24

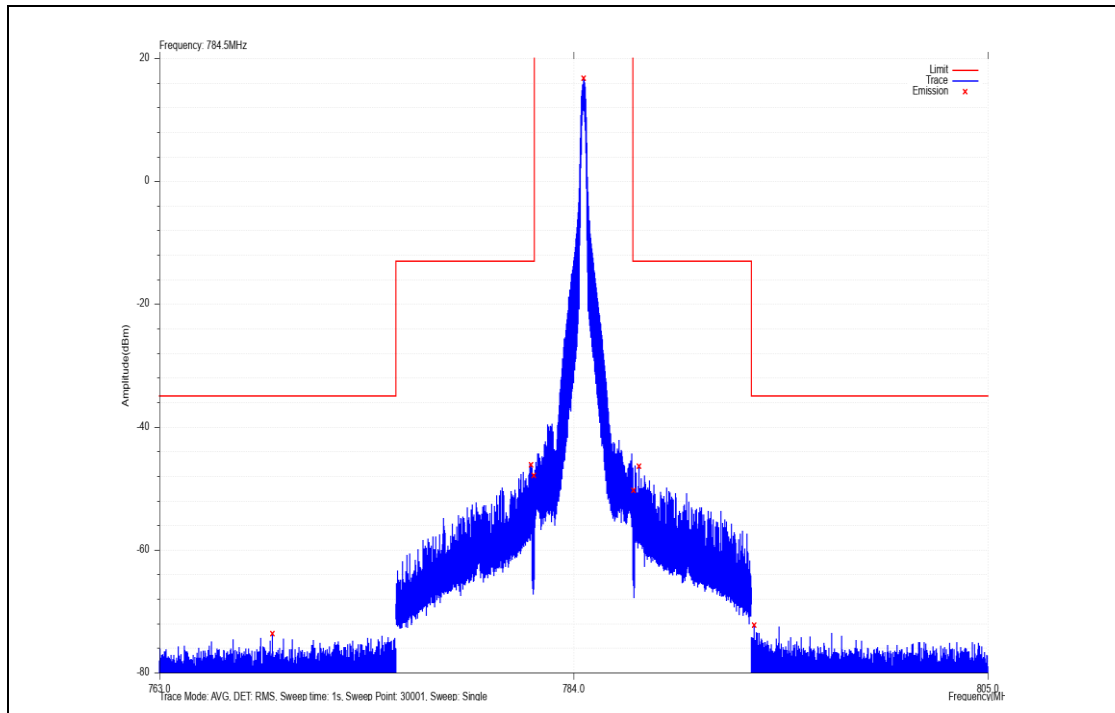


UP_EDGE_65_NT_NV_0_Band_13_QPSK_5M_CH23255_25_0

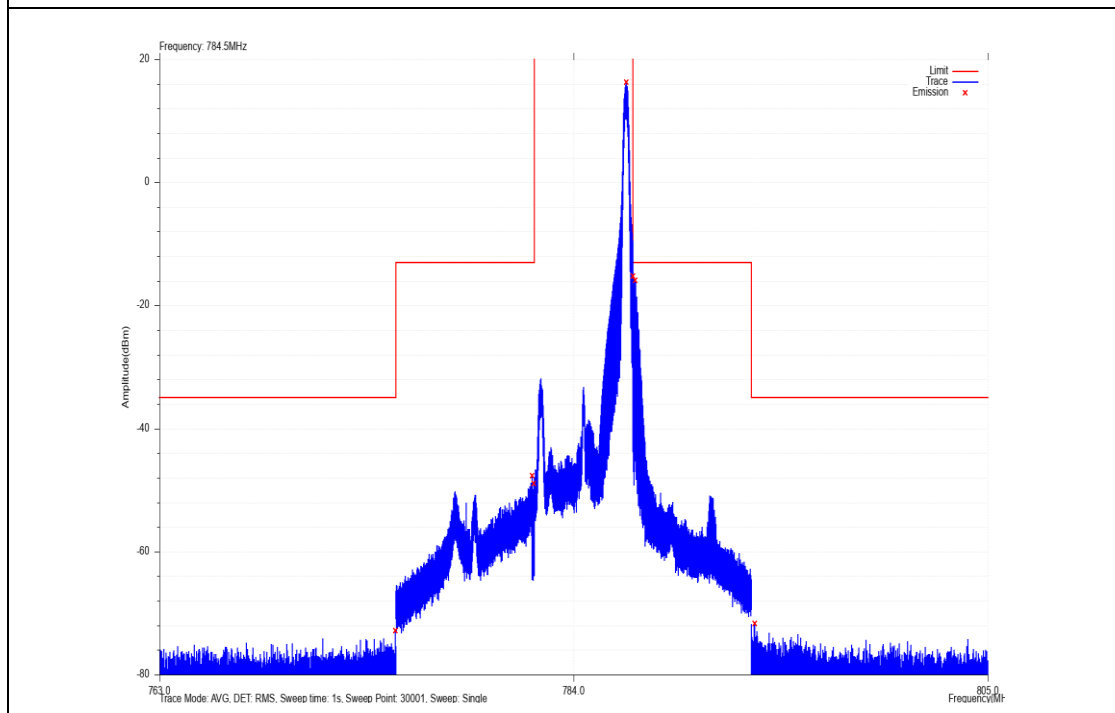


SA_65_NT_NV_0_Band_13_QPSK_5M_CH23255_1_24

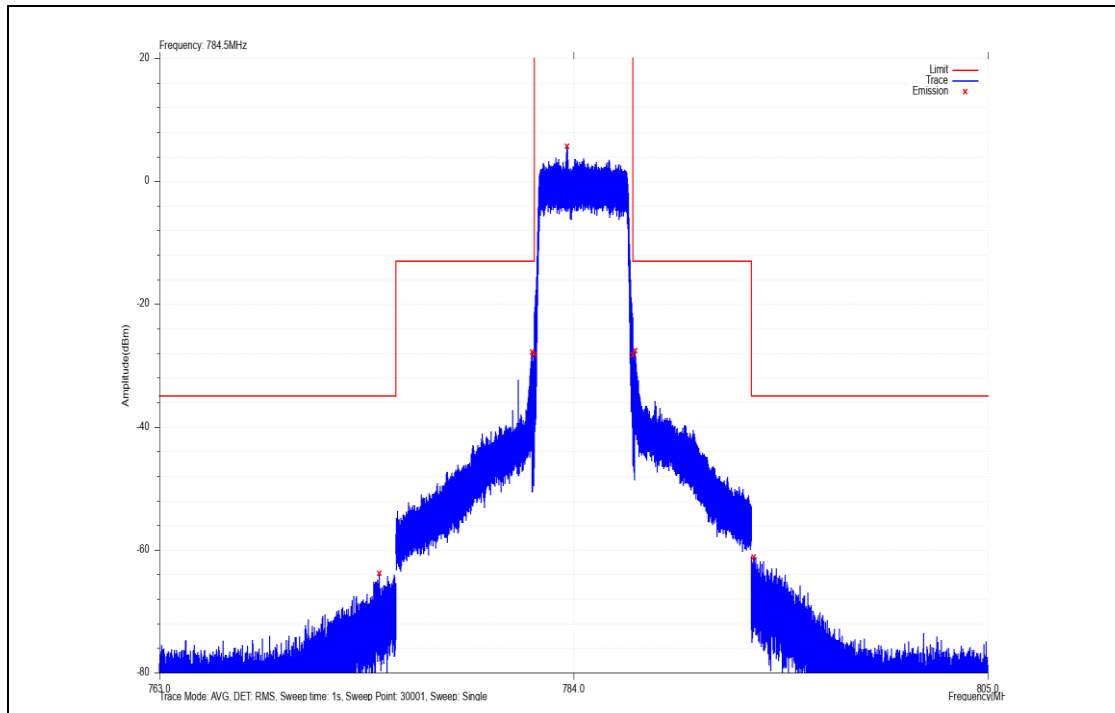




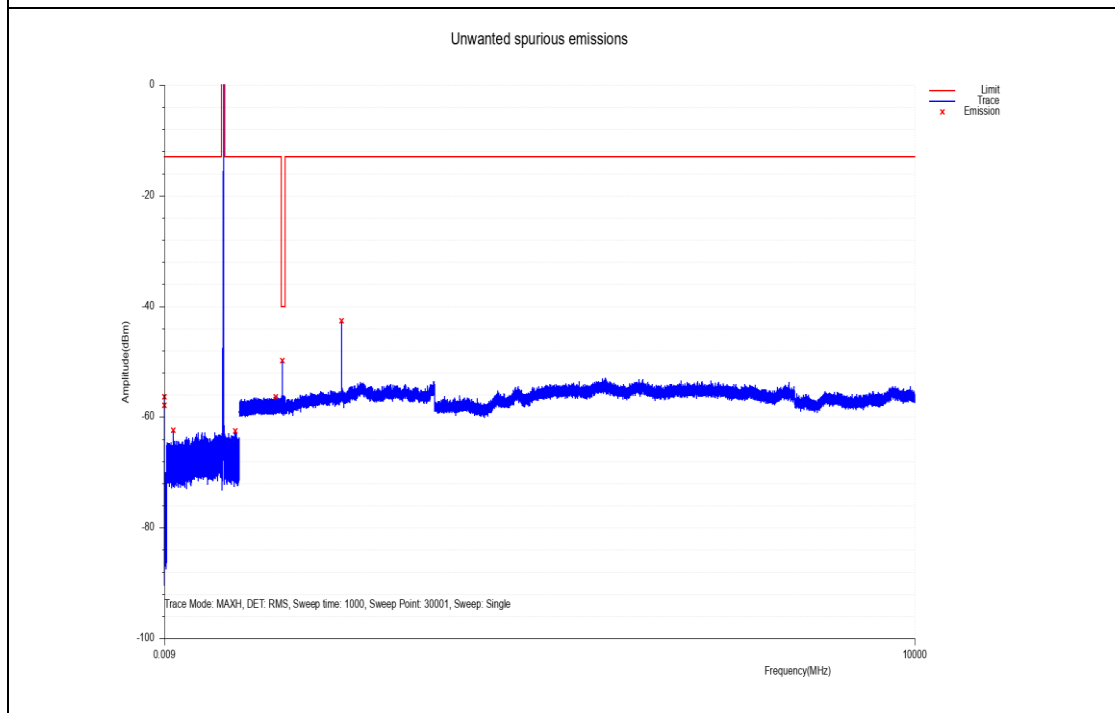
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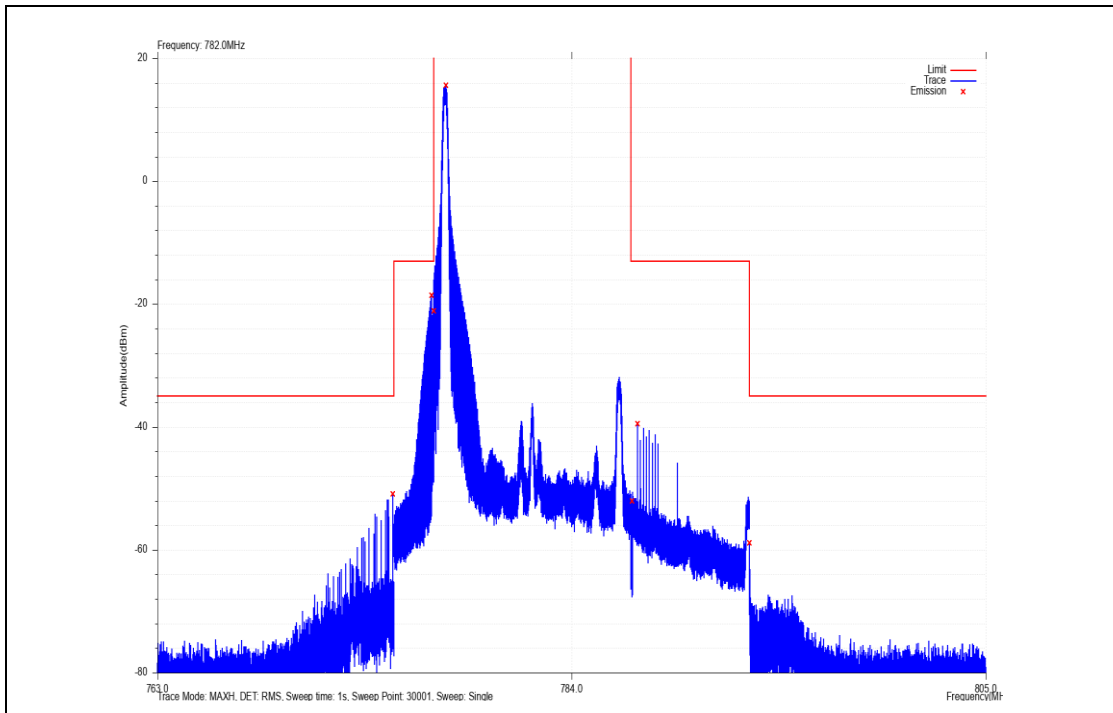
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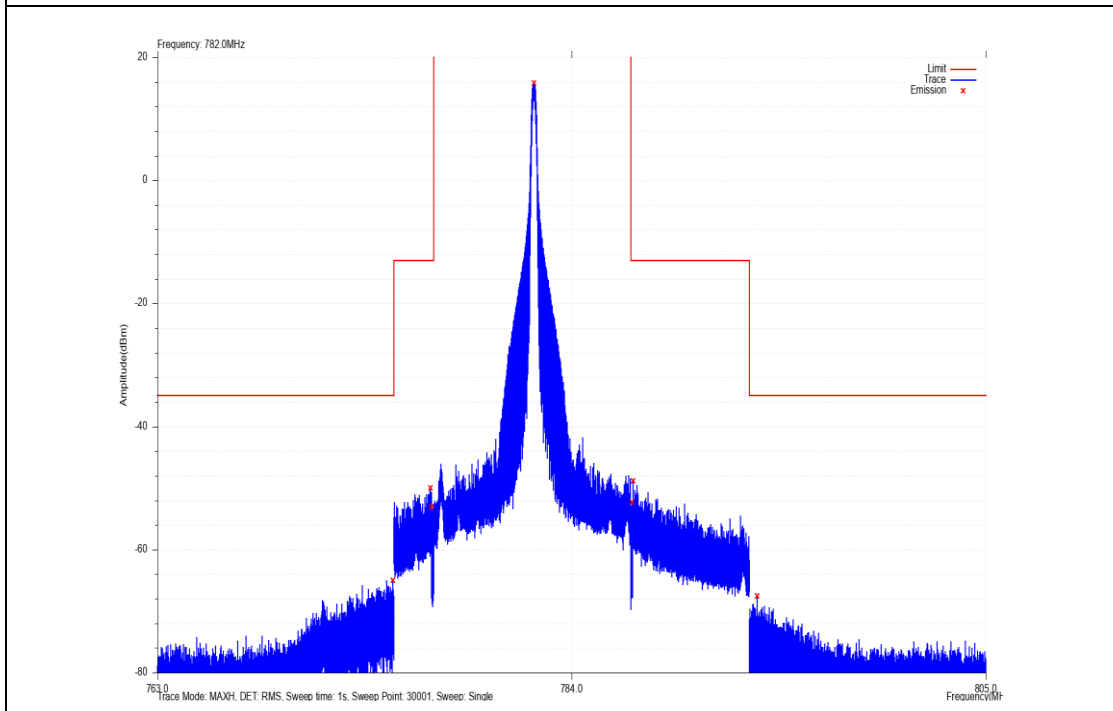
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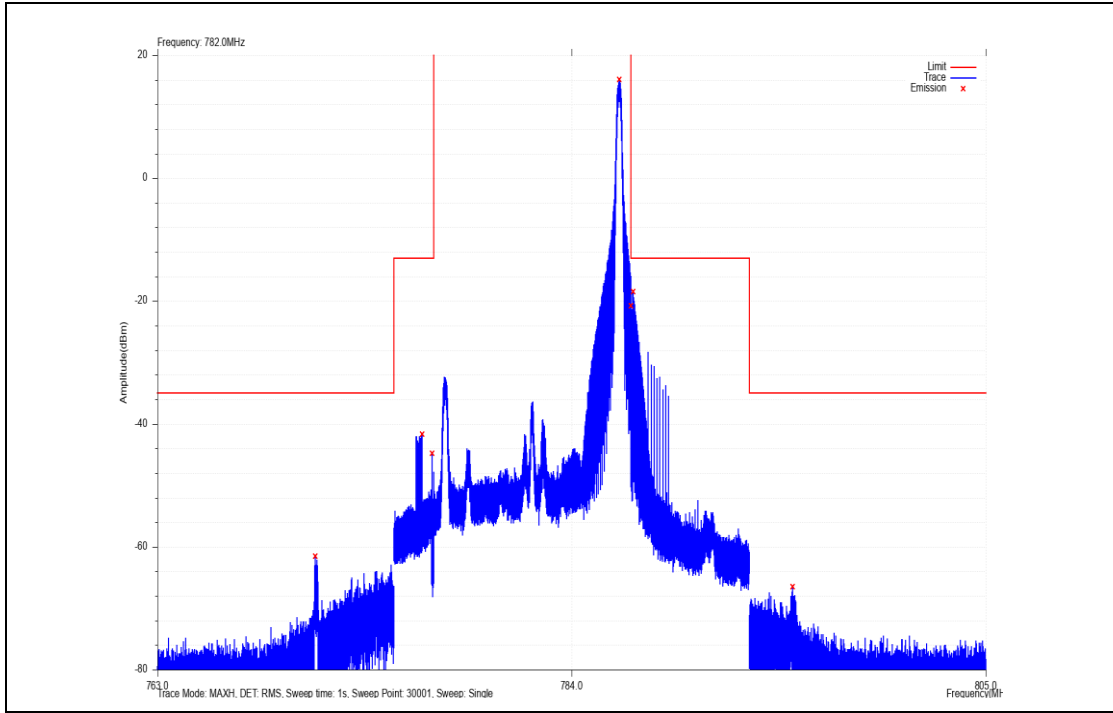
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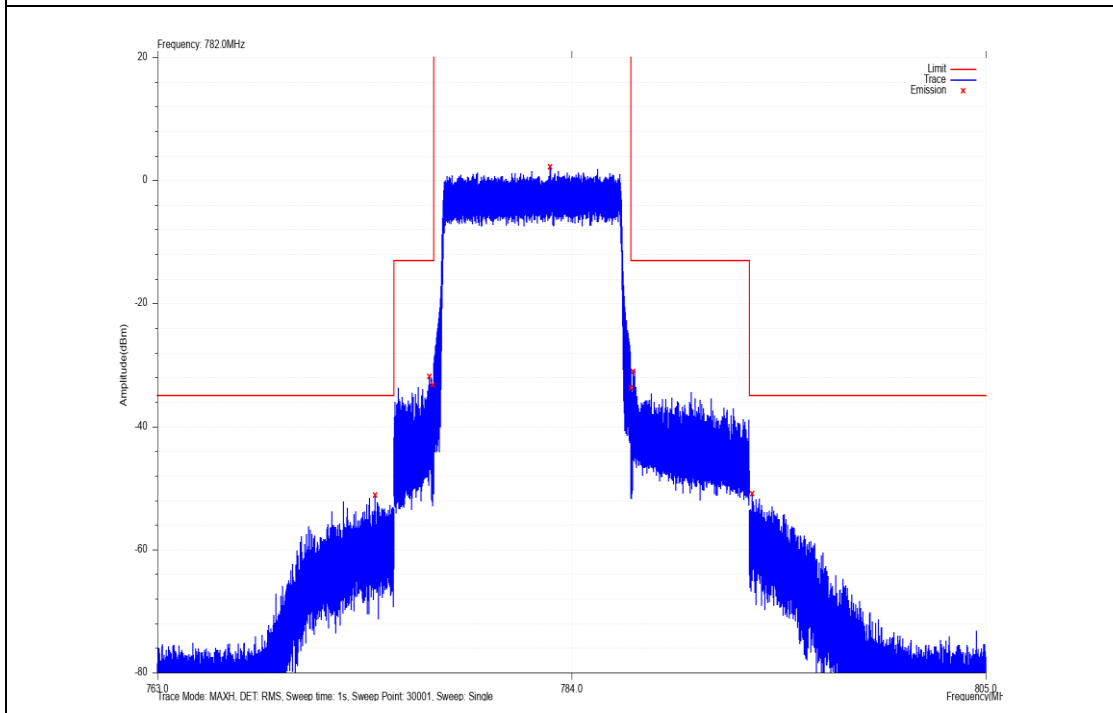
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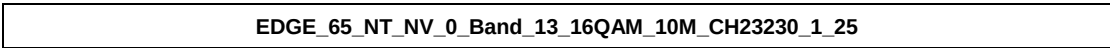
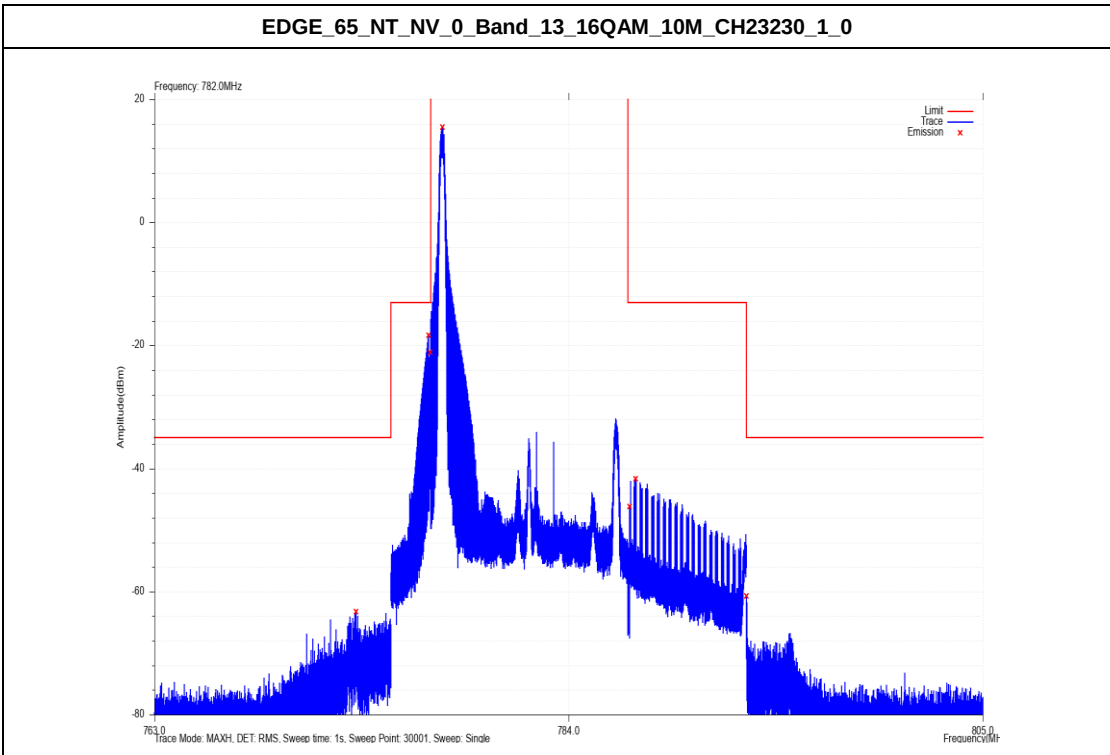
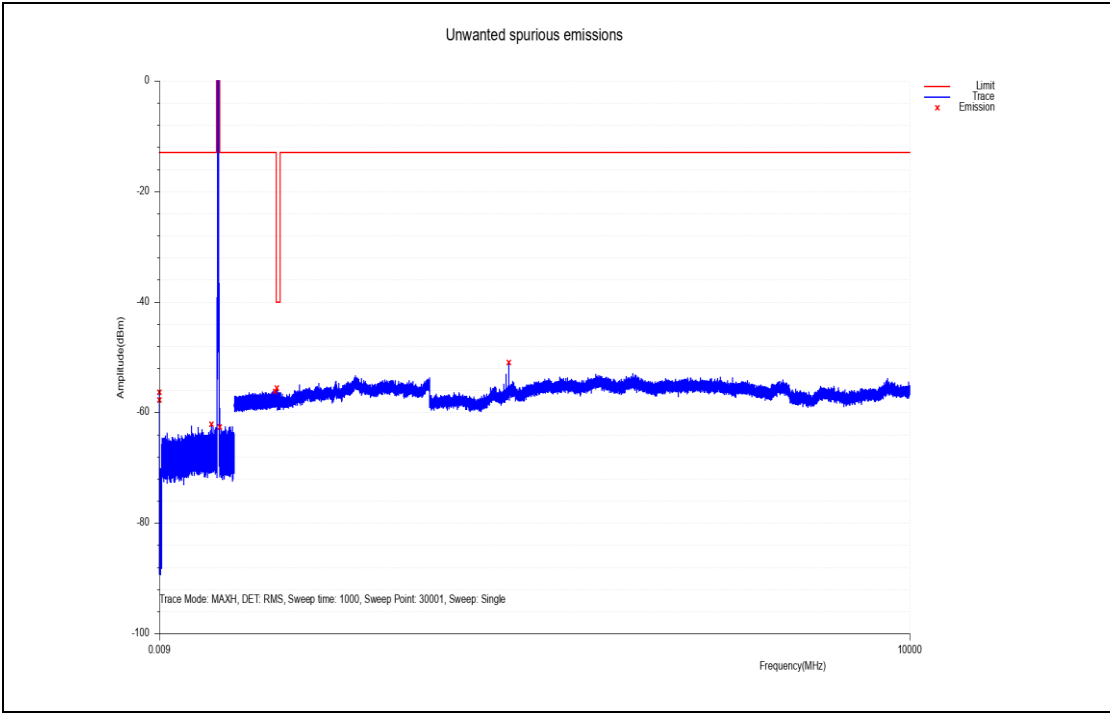
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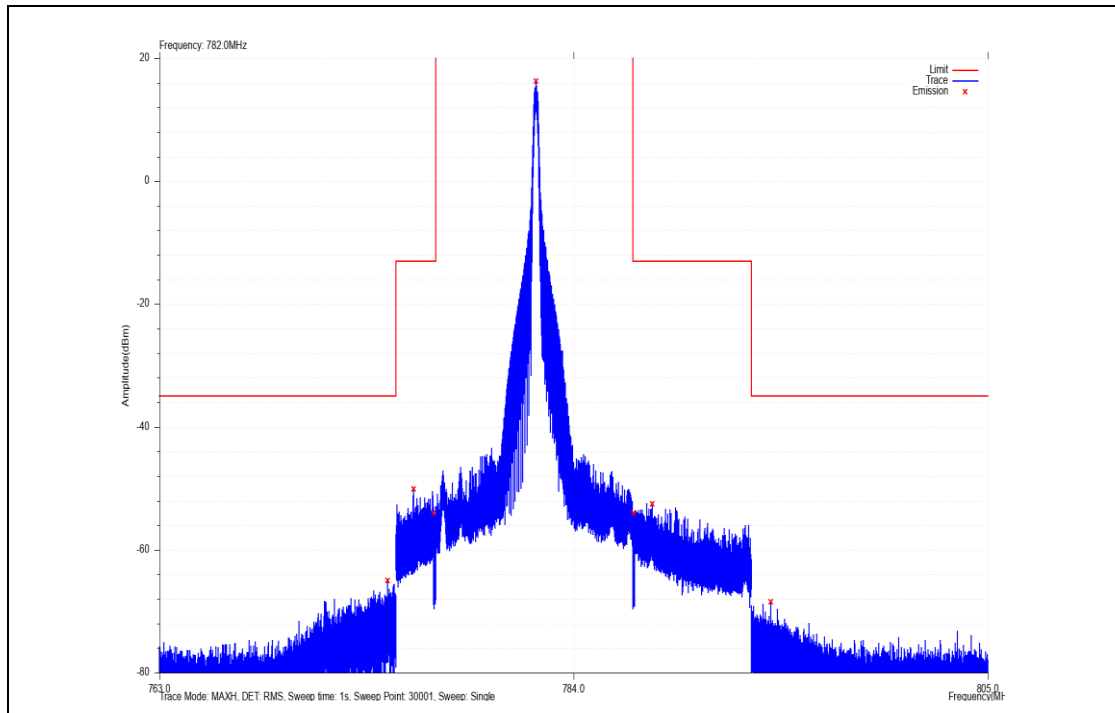


EDGE_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0

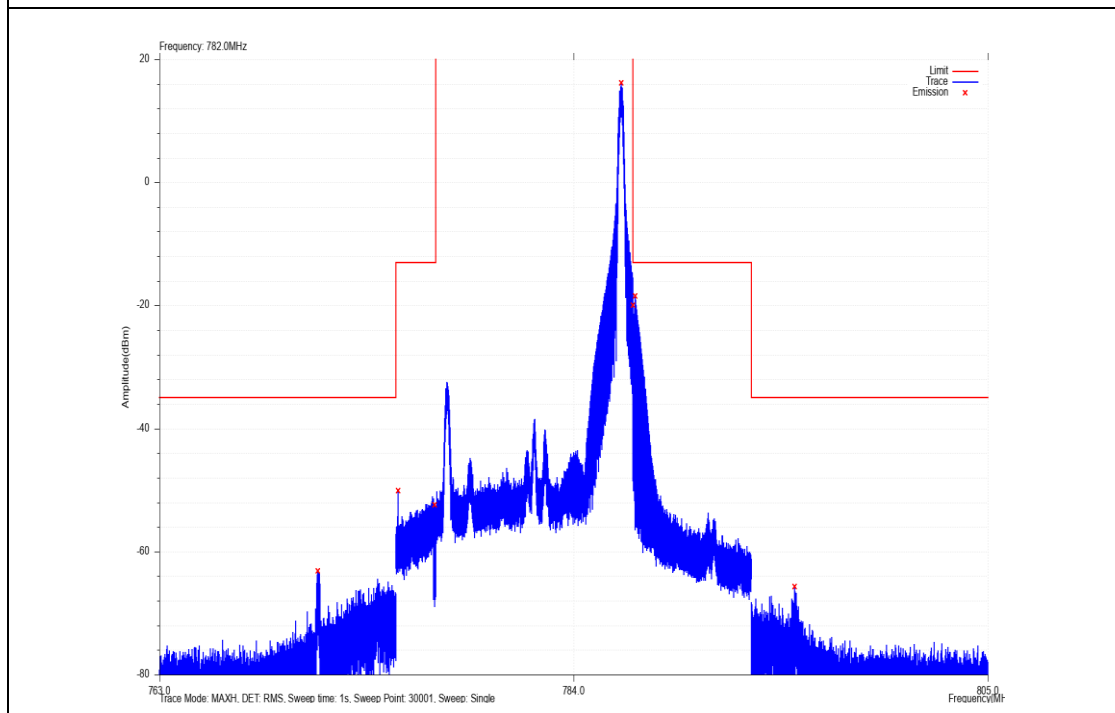


SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0

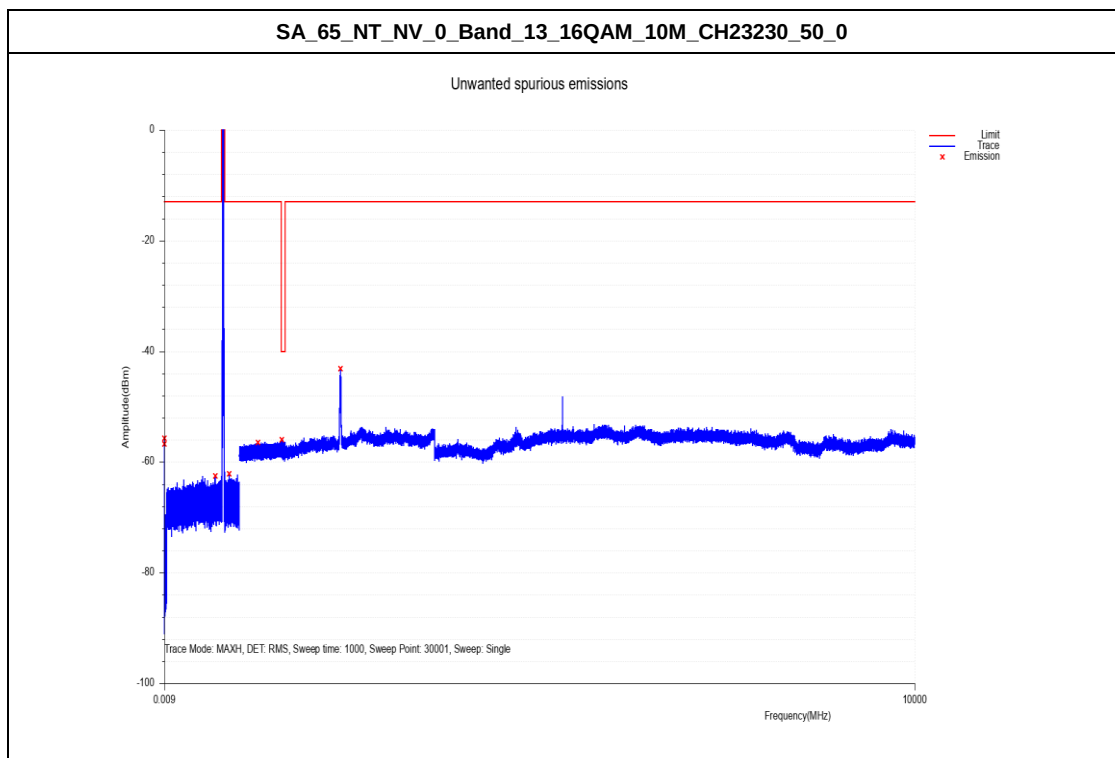
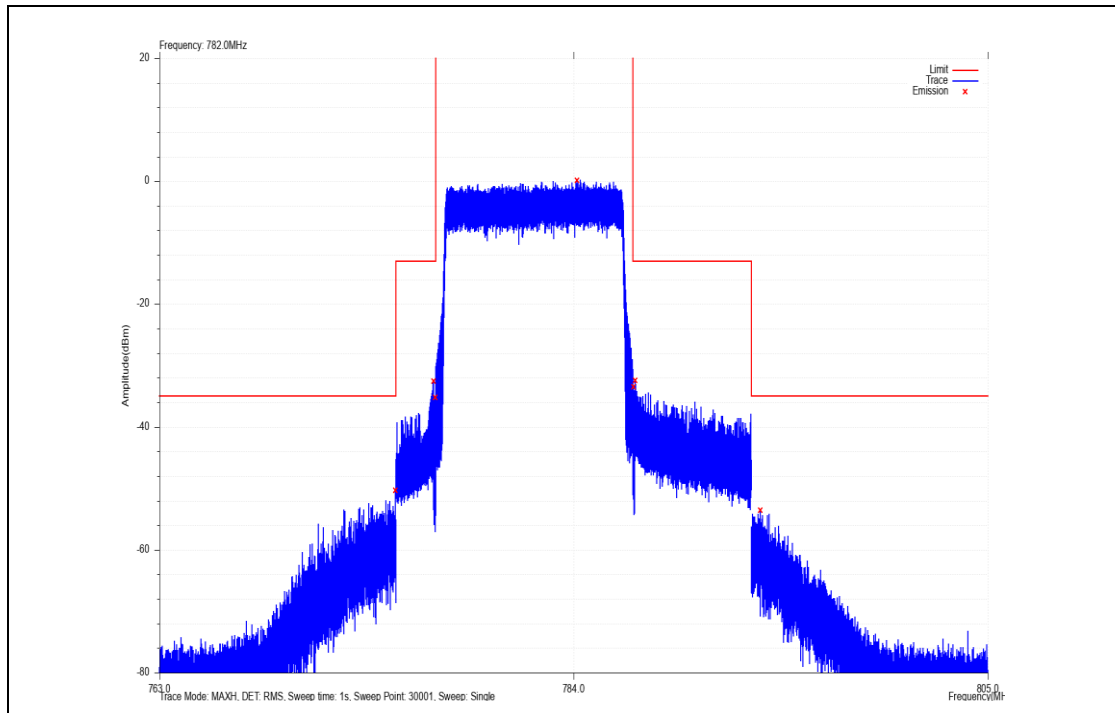




EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_1_49



EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0



5. Frequency Stability

Test Result

Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-0.034089	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-0.045738	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	0.048720	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	0.004432	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-0.039652	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-0.043289	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	0.032474	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-0.018378	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	0.023109	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-0.008910	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-0.021614	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-0.047795	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	0.018219	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	0.000374	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-0.015207	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	0.001033	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	0.015077	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-0.042060	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	0.022701	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	0.044387	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	0.029034	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-0.042046	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	0.019258	±2.5	PASS

Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	0.038092	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-0.020696	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	0.045873	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	0.037824	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-0.012577	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-0.003237	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-0.003546	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-0.024741	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	0.000247	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	0.013522	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	0.021340	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-0.018605	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	0.043411	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	0.040087	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	0.000741	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-0.025906	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-0.039629	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-0.031622	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	0.042944	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	0.017774	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-0.011598	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	0.002173	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	0.047212	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	0.013073	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	0.000622	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	0.000100	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	0.001919	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	0.041762	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	0.034535	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-0.008761	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	0.036875	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	0.014750	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	0.007576	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	0.032502	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	0.012223	±2.5	PASS
Band13	10MHz	QPSK	23130	50RB#0	NV	-30	-0.018633	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	0.024468	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	0.039020	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	0.017721	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	0.042347	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	0.035768	±2.5	PASS