

LTE Band 13 Test Data

FCC ID: 2BOAQ-KXZ-006

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FCC LTE FDD Test Data

1. Effective (Isotropic) Radiated Power Output Data

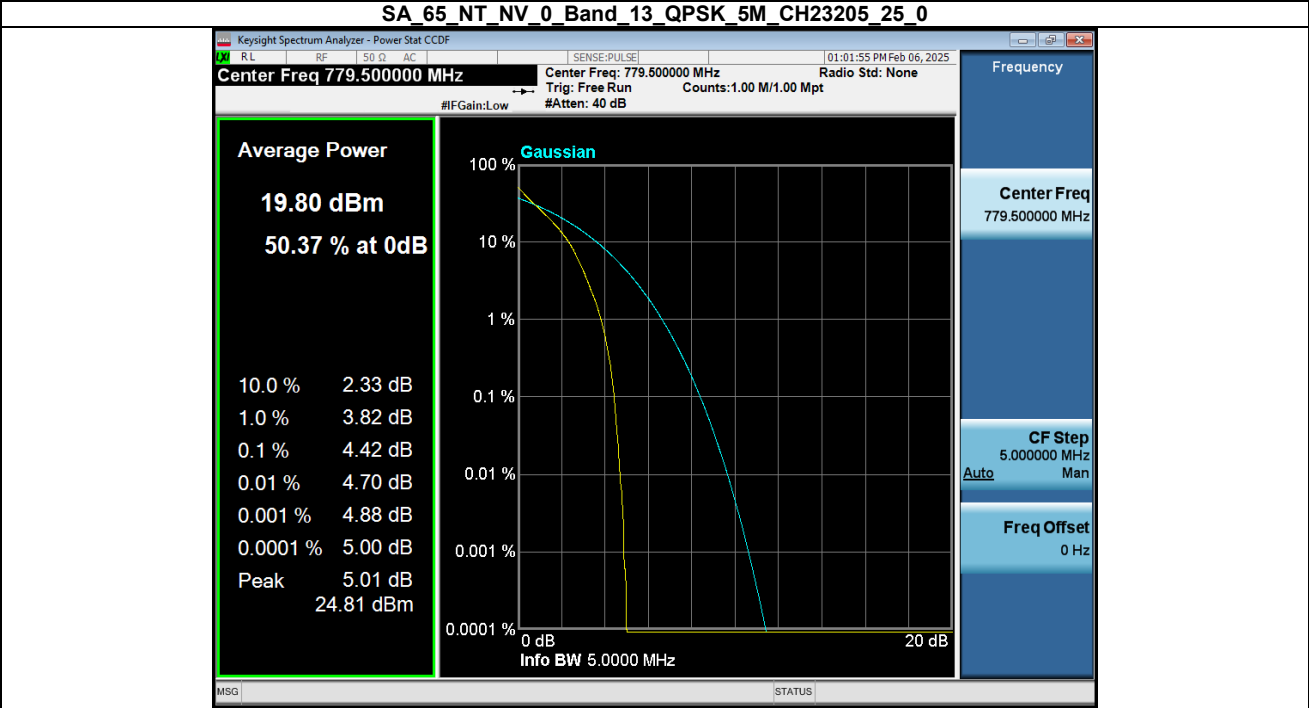
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.05	-5.08	14.82	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.86	-5.08	15.63	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.76	-5.08	15.53	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.28	-5.08	15.05	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.74	-5.08	15.51	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.54	-5.08	15.31	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.01	-5.08	14.78	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.40	-5.08	15.17	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.63	-5.08	15.40	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.21	-5.08	14.98	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.45	-5.08	15.22	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.03	-5.08	15.80	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.01	-5.08	15.78	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.27	-5.08	15.04	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.00	-5.08	15.77	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.87	-5.08	15.64	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.17	-5.08	14.94	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.13	-5.08	14.90	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.07	-5.08	14.84	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.04	-5.08	15.81	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.99	-5.08	15.76	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.32	-5.08	15.09	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.97	-5.08	15.74	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.32	-5.08	15.09	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.34	-5.08	15.11	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.25	-5.08	15.02	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.55	-5.08	15.32	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	23.10	-5.08	15.87	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.36	-5.08	15.13	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.47	-5.08	15.24	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.26	-5.08	15.03	34.77	PASS

Band13	5MHz	16QAM	23230	12RB#0	22.68	-5.08	15.45	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.31	-5.08	15.08	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.21	-5.08	14.98	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.16	-5.08	14.93	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.55	-5.08	15.32	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.16	-5.08	15.93	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.32	-5.08	15.09	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.49	-5.08	15.26	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#6	23.02	-5.08	15.79	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#13	23.02	-5.08	15.79	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	23.14	-5.08	15.91	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.65	-5.08	16.42	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.94	-5.08	15.71	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.50	-5.08	15.27	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.38	-5.08	15.15	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.46	-5.08	15.23	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.44	-5.08	15.21	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.50	-5.08	15.27	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.46	-5.08	16.23	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.36	-5.08	15.13	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.91	-5.08	15.68	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#0	23.25	-5.08	16.02	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	23.26	-5.08	16.03	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.92	-5.08	15.69	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.26	-5.08	15.03	34.77	PASS

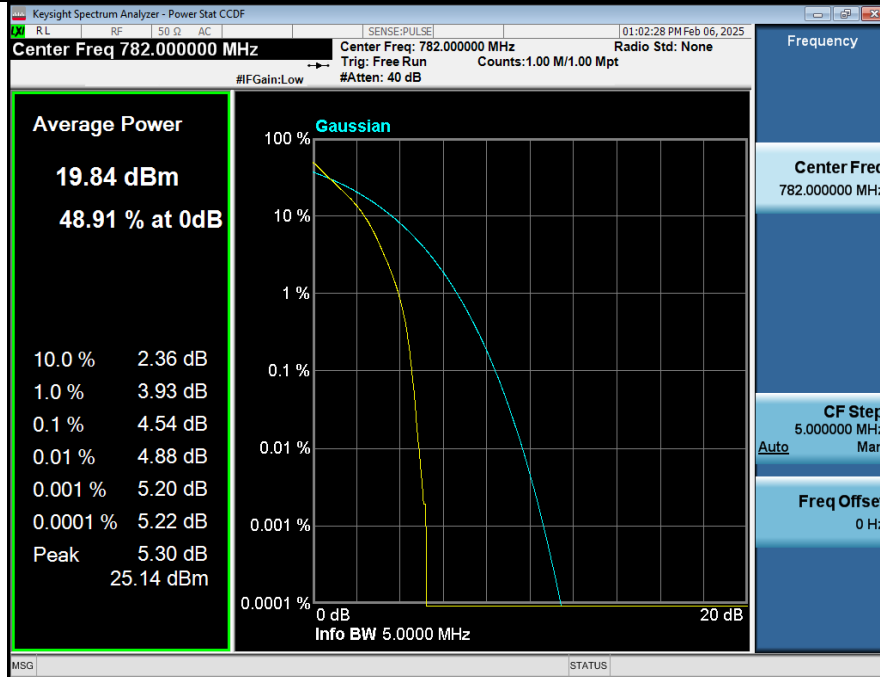
ERP = Conducted Power + ANT Gain - 2.15

2. Peak to Average Ratio

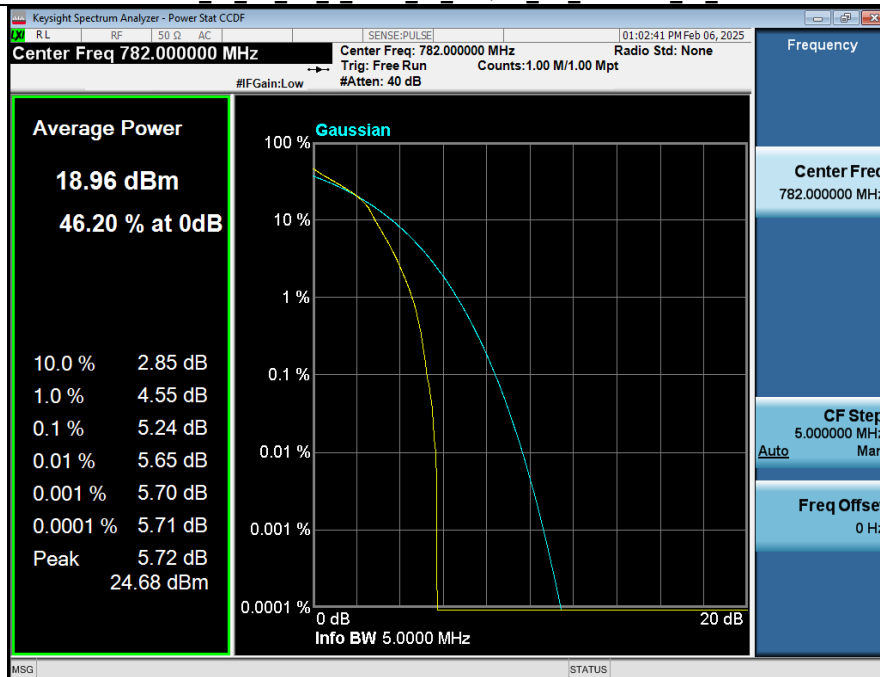
Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NV_NT	Band 13	QPSK	5M	779.5	25	0	4.42	13.00	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	5.25	13.00	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	4.54	13.00	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	5.24	13.00	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	4.70	13.00	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	5.43	13.00	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	4.52	13.00	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	5.33	13.00	Pass



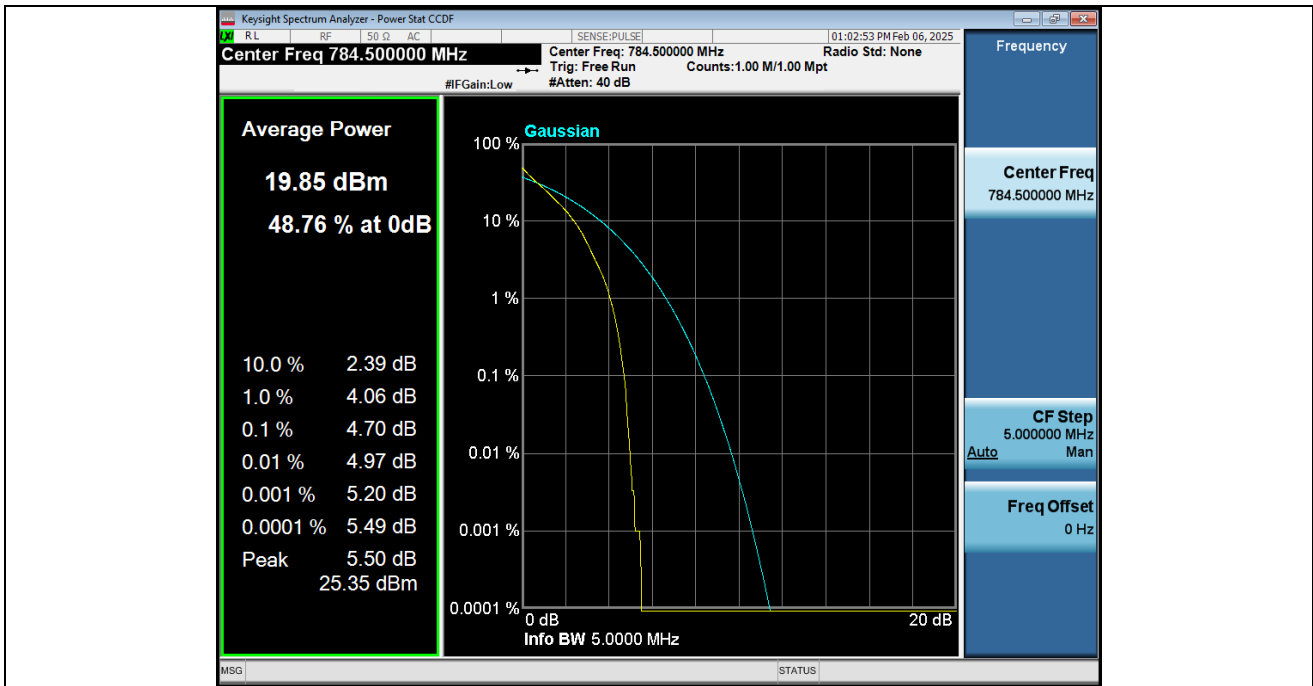
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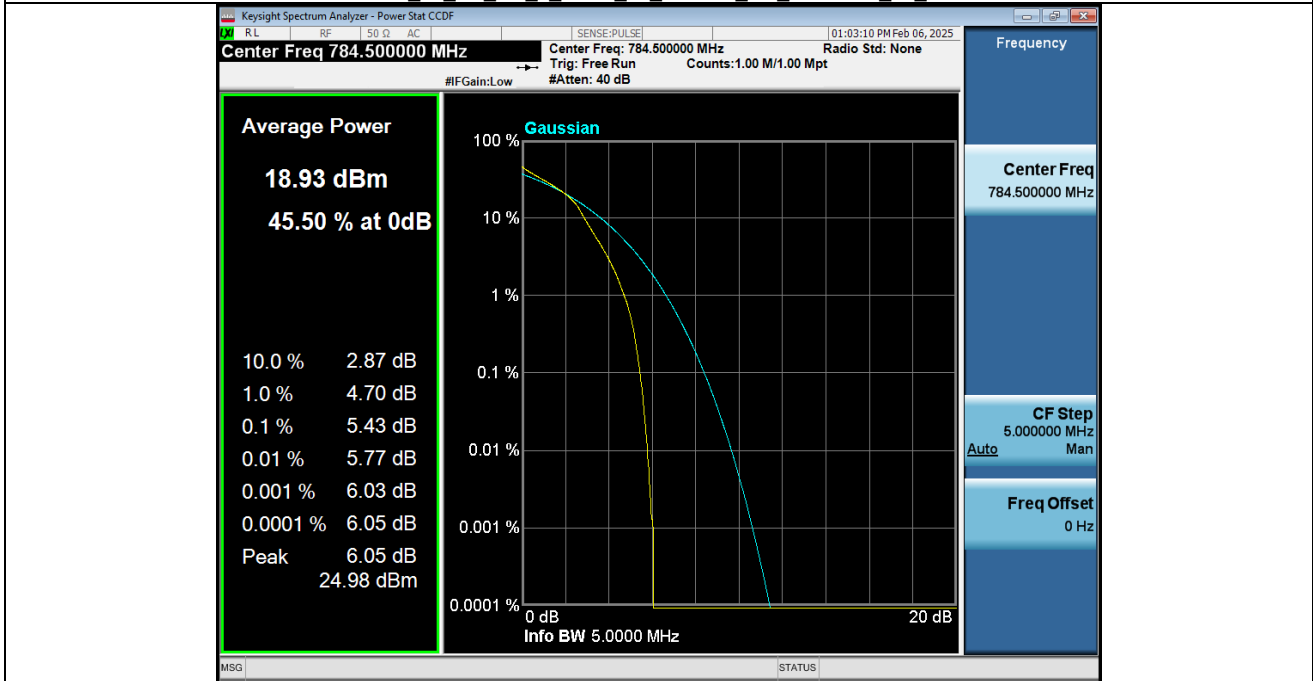
SA_65_NT_NV_0_Band_13_16QAM_5M_CH23230_25_0



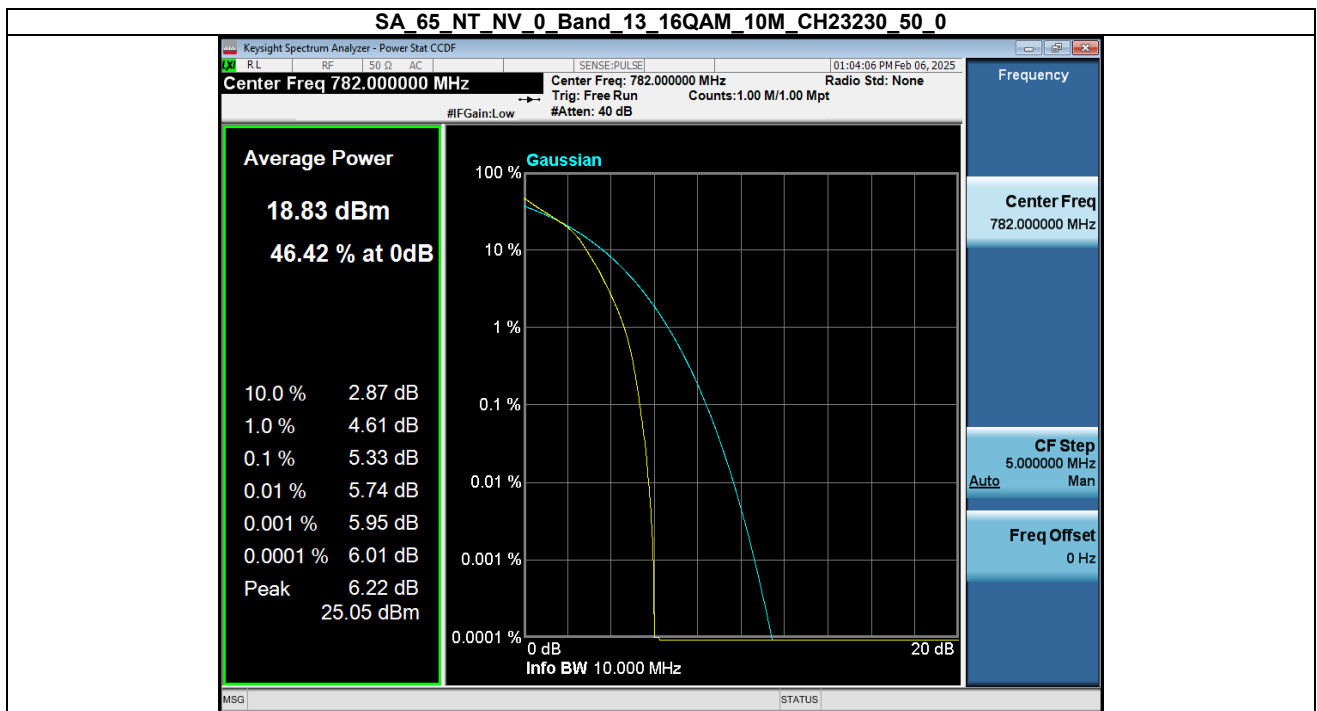
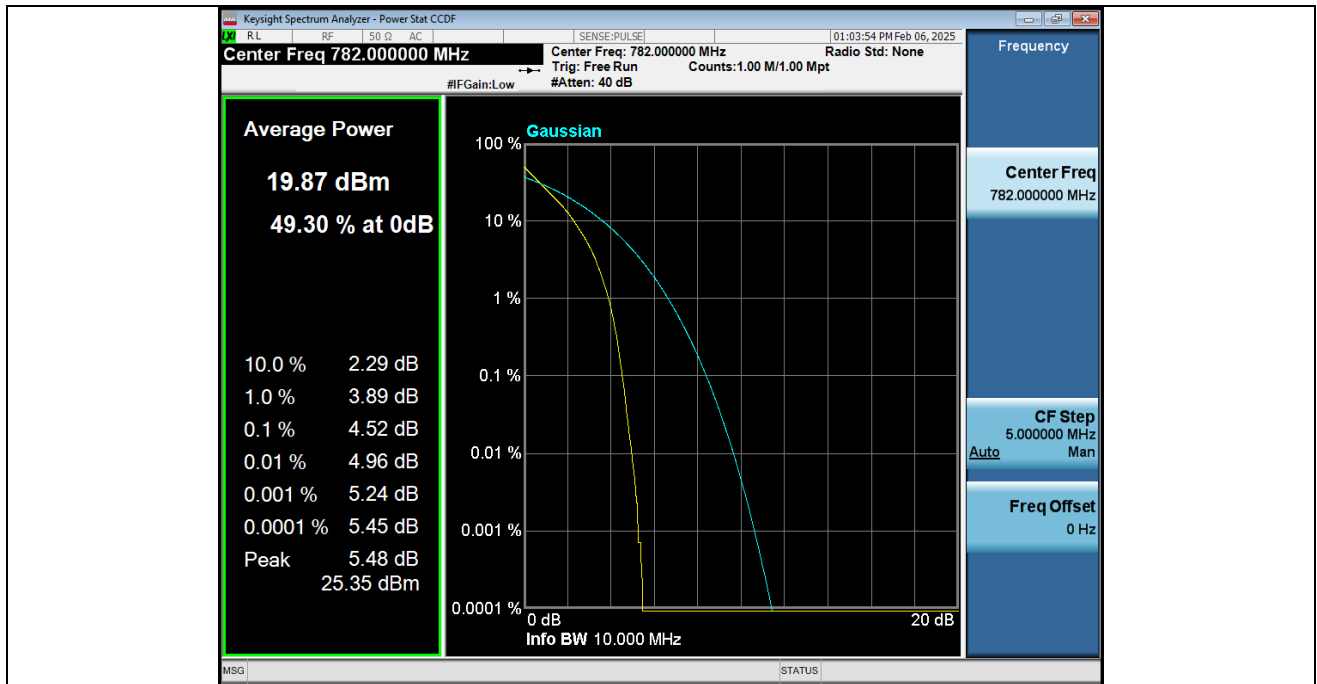
SA_65_NT_NV_0_Band_13_QPSK_5M_CH23255_25_0



SA_65_NT_NV_0_Band_13_16QAM_5M_CH23255_25_0

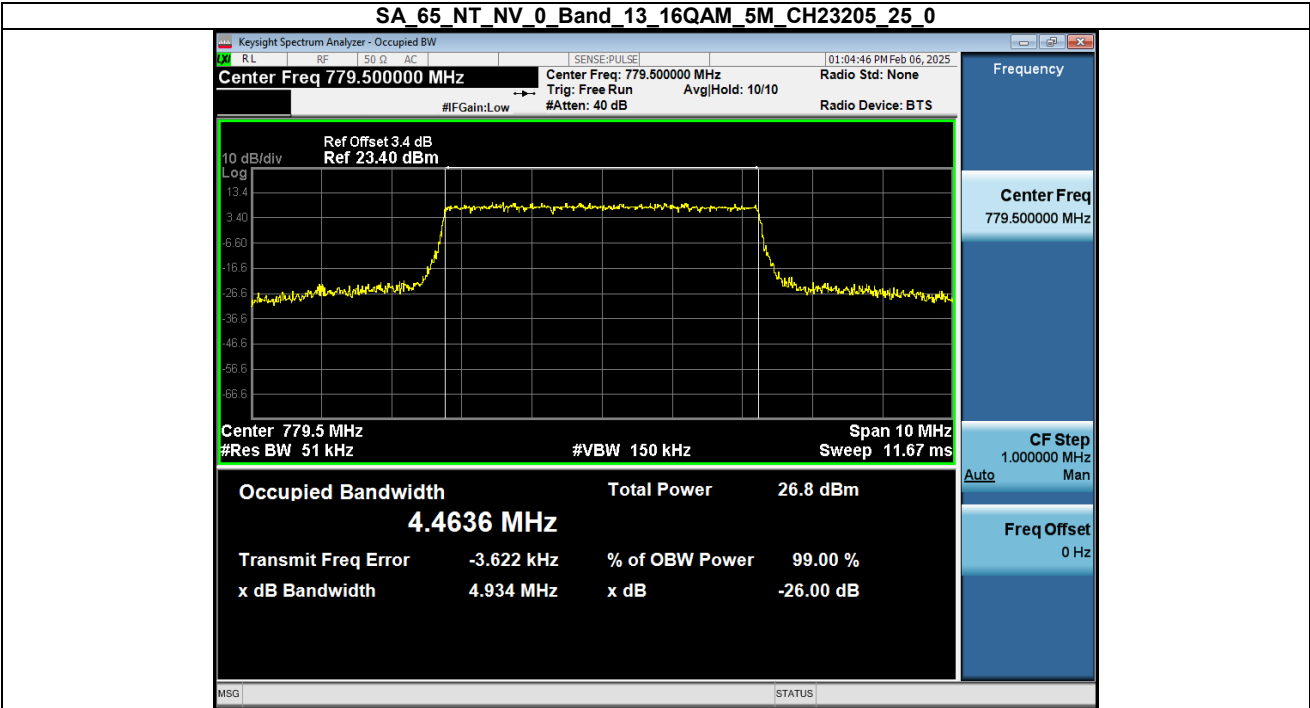
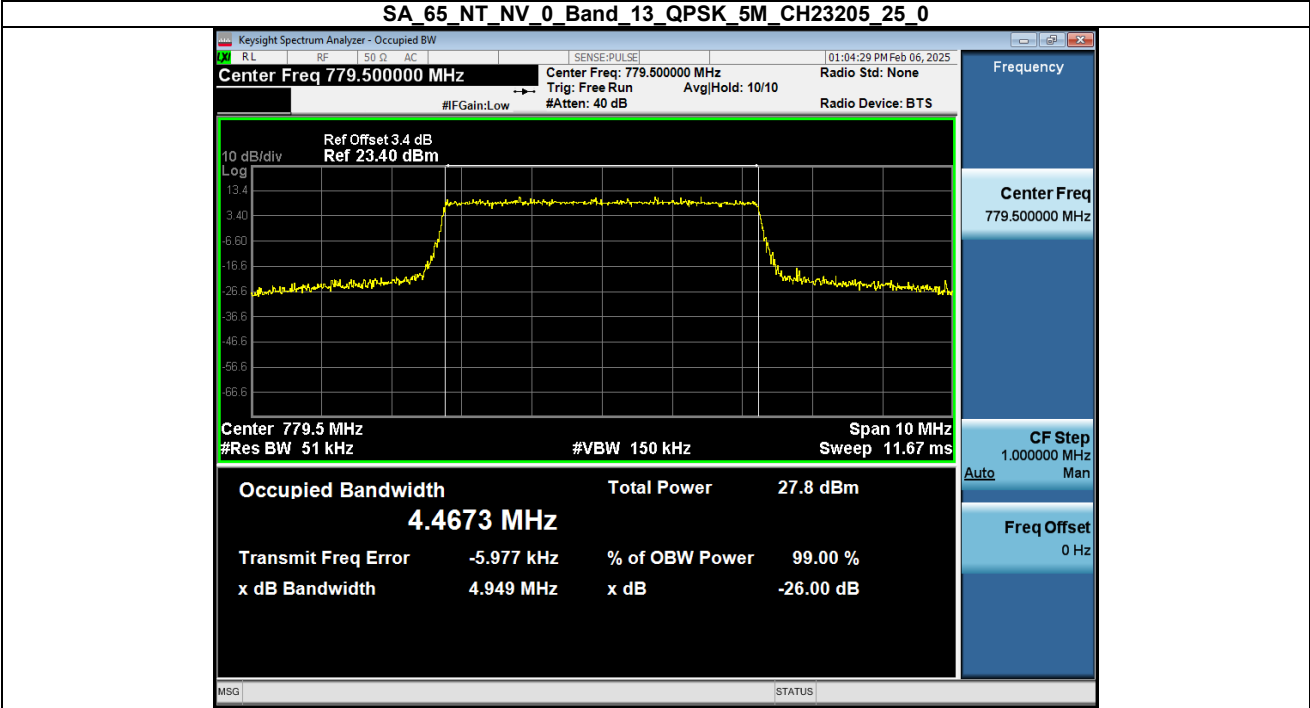


SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0



3. Occupied Bandwidth

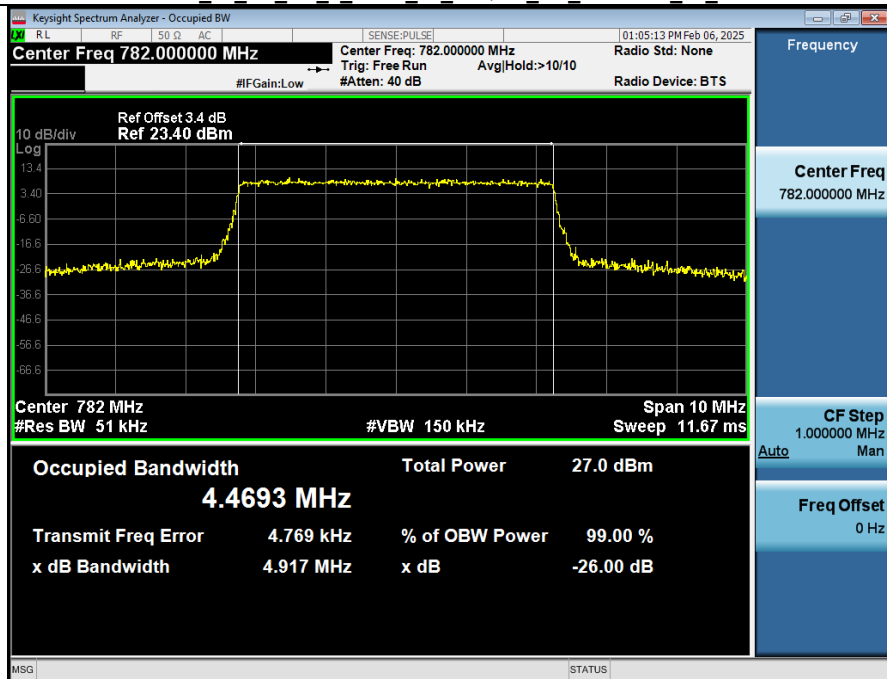
Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	OBW(MHz)	26EBW(MHz)
NV_NT	Band 13	QPSK	5M	779.5	25	0	4.4673	4.9488
NV_NT	Band 13	16QAM	5M	779.5	25	0	4.4636	4.9340
NV_NT	Band 13	QPSK	5M	782.0	25	0	4.4822	4.9596
NV_NT	Band 13	16QAM	5M	782.0	25	0	4.4693	4.9173
NV_NT	Band 13	QPSK	5M	784.5	25	0	4.4668	4.8350
NV_NT	Band 13	16QAM	5M	784.5	25	0	4.4767	4.8885
NV_NT	Band 13	QPSK	10M	782.0	50	0	8.9351	9.7070
NV_NT	Band 13	16QAM	10M	782.0	50	0	8.9273	9.6399



SA_65_NT_NV_0_Band_13_QPSK_5M_CH23230_25_0



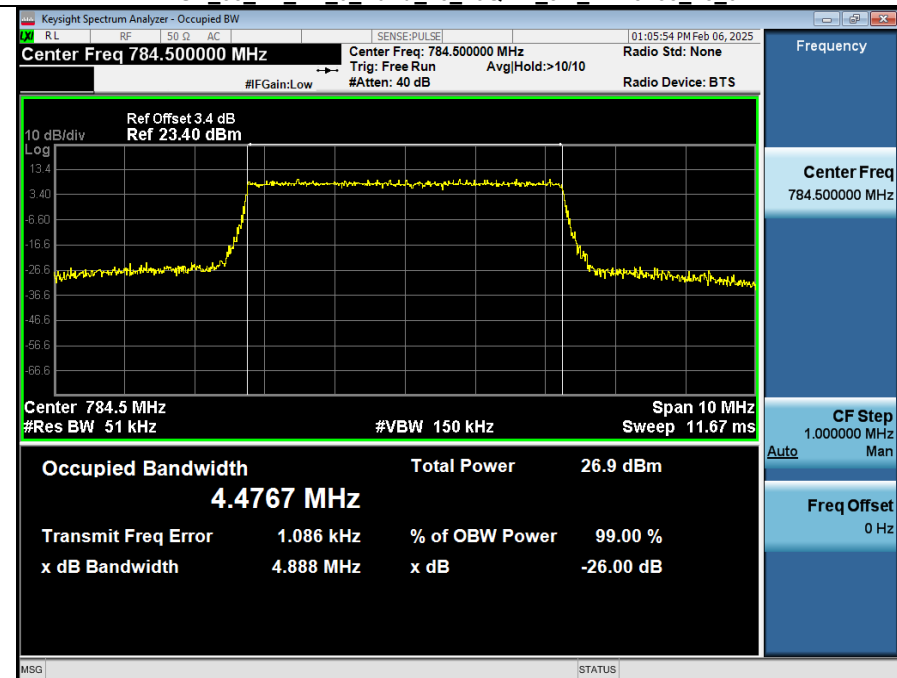
SA_65_NT_NV_0_Band_13_16QAM_5M_CH23230_25_0



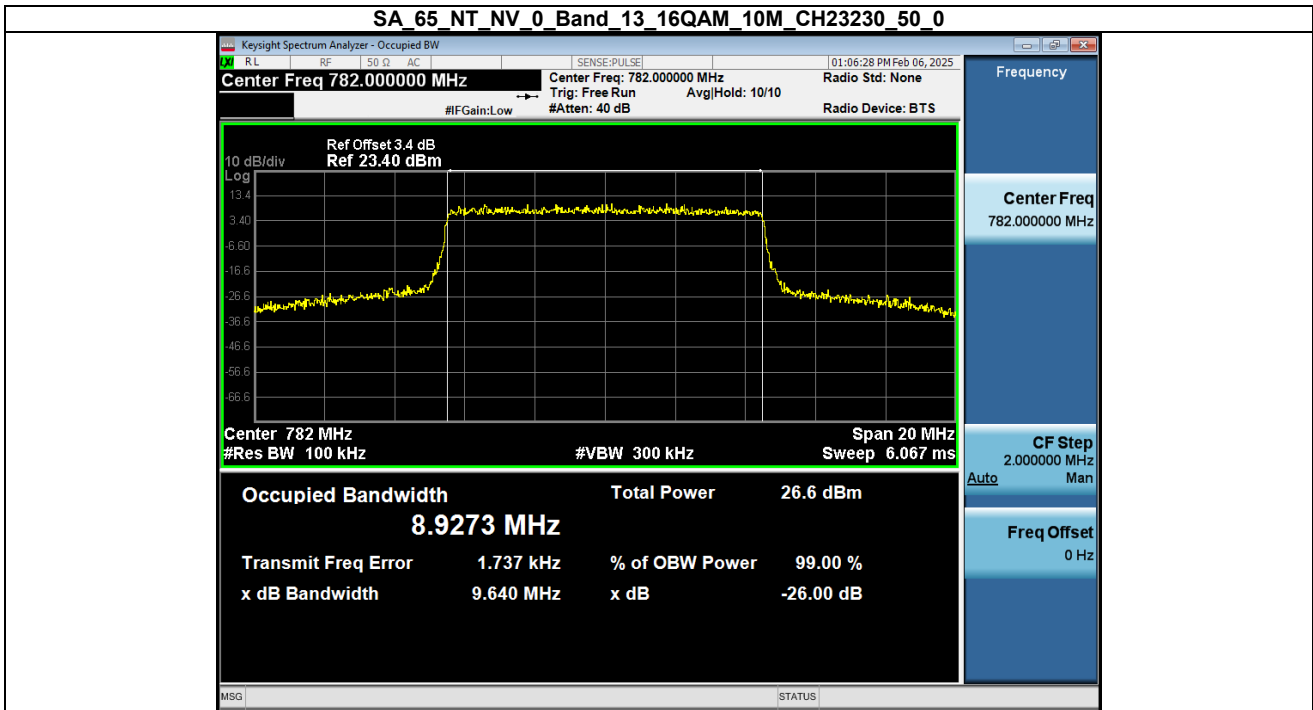
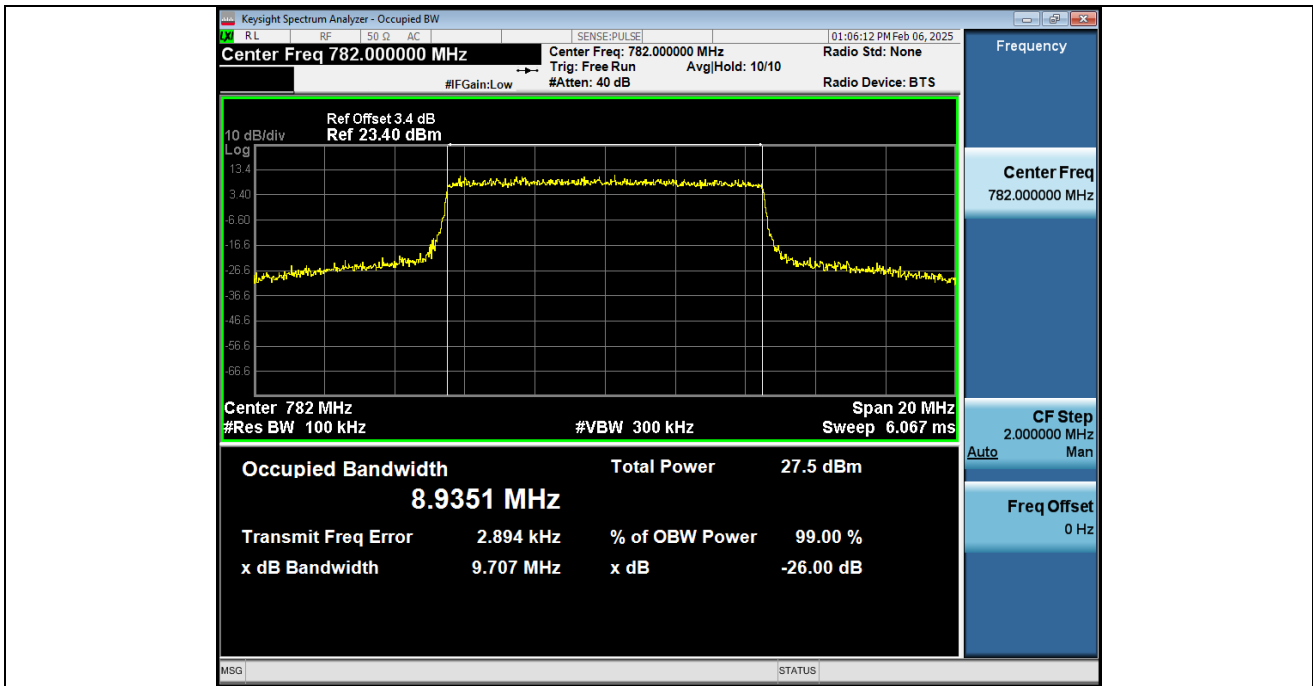
SA_65_NT_NV_0_Band_13_QPSK_5M_CH23255_25_0



SA_65_NT_NV_0_Band_13_16QAM_5M_CH23255_25_0



SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0



4. Unwanted Spurious Emission

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	773.009	-55.67	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	775.0~776.9	776.897	-21.23	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	776.9~777.0	777.000	-18.07	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	782.0~782.1	782.045	-52.26	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	782.1~793.0	785.967	-39.55	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	6.25	793.0~805.0	796.810	-73.23	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	763.0~775.0	774.967	-67.74	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	775.0~776.9	776.819	-43.23	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	776.9~777.0	776.988	-45.39	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	782.0~782.1	782.033	-43.90	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	782.1~793.0	782.107	-40.77	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	793.0~805.0	803.827	-73.55	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	763.0~775.0	765.677	-74.86	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	775.0~776.9	776.891	-55.16	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	776.9~777.0	776.981	-53.64	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	782.0~782.1	782.001	-19.40	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	782.1~793.0	786.011	-38.65	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	793.0~805.0	801.424	-73.51	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	763.0~775.0	774.914	-36.27	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	775.0~776.9	776.893	-22.84	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	776.9~777.0	776.998	-23.32	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	782.0~782.1	782.074	-24.04	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	782.1~793.0	782.140	-23.57	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	793.0~805.0	793.458	-67.97	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1	0.009~0.150	0.012	-55.37	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	10	0.150~30.000	0.152	-55.68	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	30.000~763.000	561.132	-62.66	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	805.000~1000.000	834.822	-61.95	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1000.000~1559.000	1262.916	-55.71	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1559.000~1610.000	1581.454	-56.35	-40	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1610.000~10000.000	5882.188	-52.95	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	6.25	763.0~775.0	772.997	-55.61	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	775.0~776.9	776.898	-24.02	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	30	776.9~777.0	777.000	-21.40	-13	Pass

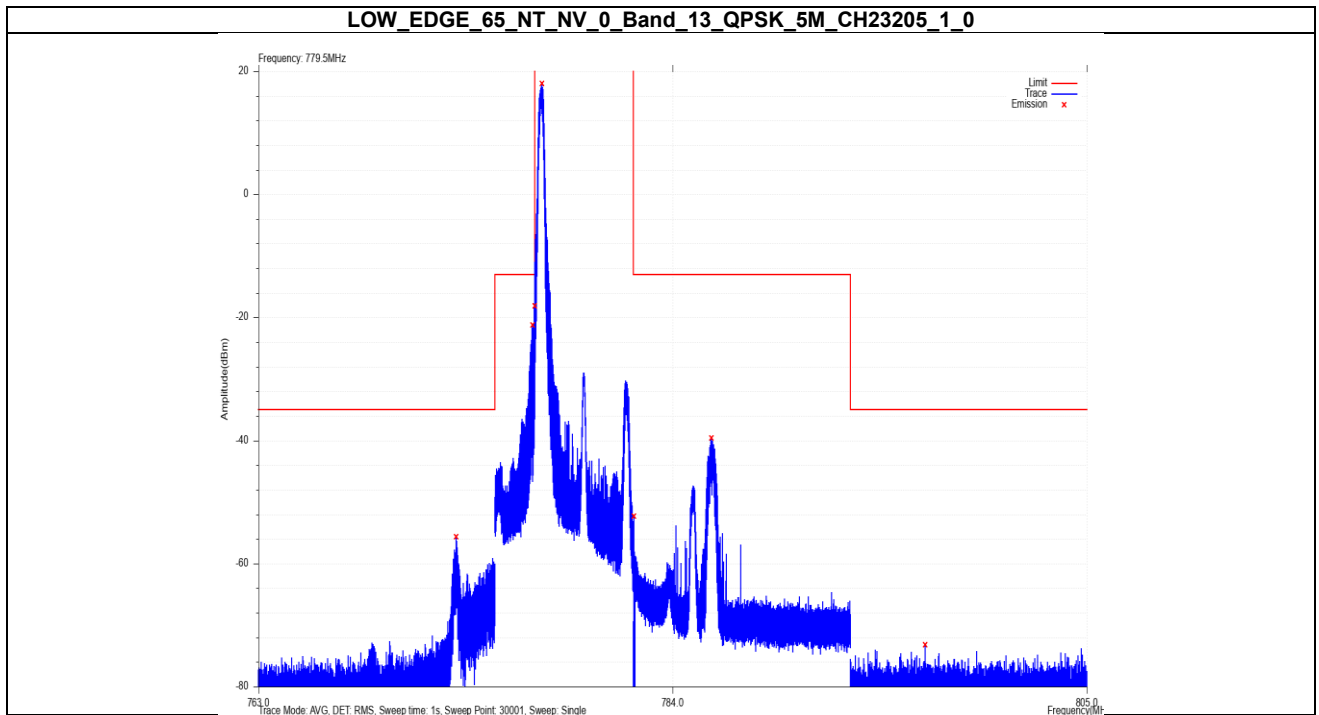
	d 13								0			
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	30	782.0~782.1	782.05 1	-68.18	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	782.1~793.0	789.75 2	-65.74	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	6.25	793.0~805.0	795.80 2	-74.36	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	6.25	763.0~775.0	774.73 7	-69.02	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	100	775.0~776.9	776.83 7	-47.20	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	30	776.9~777.0	776.90 2	-50.51	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	30	782.0~782.1	782.02 3	-47.51	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	100	782.1~793.0	782.12 4	-45.14	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	6.25	793.0~805.0	800.86 3	-73.69	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	6.25	763.0~775.0	772.92 2	-49.96	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	100	775.0~776.9	776.89 3	-53.66	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	30	776.9~777.0	776.99 7	-54.51	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	30	782.0~782.1	782.00 0	-19.83	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	100	782.1~793.0	791.76 9	-65.81	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	6.25	793.0~805.0	803.06 8	-75.05	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	6.25	763.0~775.0	774.99 1	-39.47	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	100	775.0~776.9	776.37 5	-24.73	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	30	776.9~777.0	776.99 8	-26.30	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	30	782.0~782.1	782.09 5	-28.71	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	100	782.1~793.0	782.10 3	-26.01	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	6.25	793.0~805.0	793.09 3	-70.39	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1	0.009~0.150	0.011	-54.23	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	10	0.150~30.000	0.158	-58.50	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	30.000~763.000	538.43 3	-62.33	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	805.000~1000.0 00	957.95 2	-62.75	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1000.000~1559. 000	1554.7 52	-49.32	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1559.000~1610. 000	1580.8 28	-55.77	-40	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1610.000~10000 .000	7005.8 89	-52.58	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1	0.009~0.150	0.010	-54.66	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	10	0.150~30.000	0.178	-57.72	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	100	30.000~763.000	762.31 6	-62.52	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	100	805.000~1000.0 00	805.88 4	-62.41	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1000.000~1559. 000	1413.2 31	-56.48	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1559.000~1610. 000	1564.2 78	-54.62	-40	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1610.000~10000 .000	5162.0 46	-53.28	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1	0.009~0.150	0.012	-56.01	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	10	0.150~30.000	0.162	-56.29	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	100	30.000~763.000	734.24 2	-62.82	-13	Pass

NV_NT	Ban d 13	16QAM	5M	782.0	25	0	100	805.000~1000.0 00	983.80 2	-62.62	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1000.000~1559. 000	1542.1 93	-56.11	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1559.000~1610. 000	1563.9 27	-54.64	-40	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1610.000~10000 .000	5900.6 46	-53.08	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	6.25	763.0~775.0	773.74 5	-57.43	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	100	775.0~781.9	781.88 8	-22.13	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	30	781.9~782.0	782.00 0	-18.27	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	30	787.0~787.1	787.00 2	-56.70	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	100	787.1~793.0	790.97 4	-44.27	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	6.25	793.0~805.0	793.39 3	-73.93	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	6.25	763.0~775.0	765.25 3	-74.40	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	100	775.0~781.9	778.68 1	-66.37	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	30	781.9~782.0	781.94 9	-69.11	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	30	787.0~787.1	787.04 5	-45.73	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	100	787.1~793.0	787.16 2	-41.60	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	6.25	793.0~805.0	794.13 1	-73.78	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	6.25	763.0~775.0	774.86 1	-73.59	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	775.0~781.9	777.97 5	-37.65	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	30	781.9~782.0	781.96 2	-53.38	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	30	787.0~787.1	787.00 1	-20.30	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	787.1~793.0	787.12 3	-24.47	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	6.25	793.0~805.0	795.33 4	-62.89	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	6.25	763.0~775.0	774.78 2	-59.40	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	100	775.0~781.9	779.98 5	-66.62	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	30	781.9~782.0	781.98 4	-68.68	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	30	787.0~787.1	787.01 3	-25.81	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	100	787.1~793.0	787.10 2	-26.20	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	6.25	793.0~805.0	793.06 4	-56.76	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1	0.009~0.150	0.009	-55.46	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	10	0.150~30.000	0.176	-57.50	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	30.000~763.000	754.32 6	-62.75	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	805.000~1000.0 00	878.35 2	-62.81	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1000.000~1559. 000	1333.3 69	-56.04	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1559.000~1610. 000	1573.1 83	-47.18	-40	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1610.000~10000 .000	5831.0 09	-53.06	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	6.25	763.0~775.0	773.78 2	-64.17	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	100	775.0~781.9	781.89 9	-23.20	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	30	781.9~782.0	781.99 8	-20.44	-13	Pass
NV_NT	Ban	16QAM	5M	784.5	1	0	30	787.0~787.1	787.02	-46.12	-13	Pass

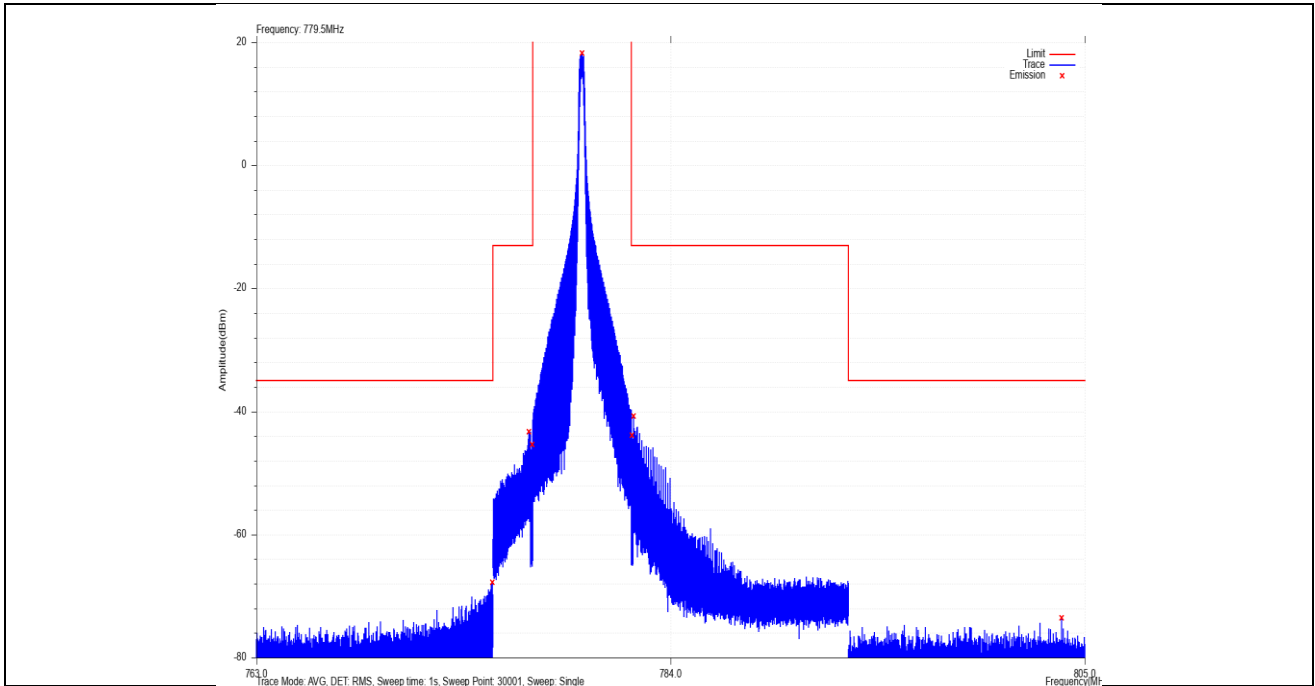
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NV_NT	Ban d 13	16QAM	5M	784.5	1	0	6.25	793.0~805.0	793.25 2	-74.33	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	6.25	763.0~775.0	766.16 8	-73.34	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	100	775.0~781.9	781.90 0	-48.62	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	30	781.9~782.0	781.95 7	-49.46	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	30	787.0~787.1	787.01 8	-49.16	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	100	787.1~793.0	792.64 7	-65.95	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	6.25	793.0~805.0	799.76 0	-73.26	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	6.25	763.0~775.0	773.74 4	-74.90	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	775.0~781.9	777.98 5	-37.96	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	30	781.9~782.0	781.99 3	-52.94	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	30	787.0~787.1	787.00 2	-22.35	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	787.1~793.0	787.11 9	-24.82	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	6.25	793.0~805.0	795.40 3	-68.60	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	6.25	763.0~775.0	774.69 4	-61.10	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	100	775.0~781.9	781.84 4	-26.29	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	30	781.9~782.0	781.99 6	-28.49	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	30	787.0~787.1	787.00 7	-29.75	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	100	787.1~793.0	787.10 6	-28.98	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	6.25	793.0~805.0	793.54 1	-74.66	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1	0.009~0.150	0.012	-56.11	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	10	0.150~30.000	0.153	-55.97	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	30.000~763.000	753.42 2	-62.07	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	805.000~1000.0 00	922.74 1	-62.73	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1000.000~1559. 000	1541.1 31	-56.39	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1559.000~1610. 000	1564.4 57	-56.18	-40	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1610.000~10000 .000	6287.4 25	-53.09	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	6.25	763.0~775.0	773.18 4	-52.37	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	100	775.0~776.9	776.89 0	-32.15	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	30	776.9~777.0	776.99 6	-30.07	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	30	787.0~787.1	787.04 6	-57.38	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	100	787.1~793.0	787.12 4	-55.65	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	6.25	793.0~805.0	795.29 6	-61.89	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	6.25	763.0~775.0	774.98 4	-72.47	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	100	775.0~776.9	776.75 4	-56.73	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	30	776.9~777.0	776.98 9	-58.74	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	30	787.0~787.1	787.04 8	-57.05	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	100	787.1~793.0	790.39 0	-66.74	-13	Pass

NV_NT	Ban d 13	QPSK	10M	782.0	1	25	6.25	793.0~805.0	800.10 2	-74.51	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	6.25	763.0~775.0	771.81 2	-68.67	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	100	775.0~776.9	776.89 4	-54.57	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	30	776.9~777.0	776.99 8	-54.70	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	30	787.0~787.1	787.02 7	-68.12	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	100	787.1~793.0	791.67 2	-66.45	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	6.25	793.0~805.0	794.63 7	-74.05	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	6.25	763.0~775.0	774.97 6	-39.38	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	775.0~776.9	776.83 5	-27.70	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	30	776.9~777.0	776.96 1	-28.52	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	30	787.0~787.1	787.09 9	-32.25	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	787.1~793.0	787.17 8	-28.67	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	6.25	793.0~805.0	793.15 6	-47.79	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1	0.009~0.150	0.011	-55.33	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	10	0.150~30.000	0.165	-58.86	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	30.000~763.000	690.60 4	-62.89	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	805.000~1000.0 00	805.03 3	-60.55	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1000	1000.000~1559. 000	1550.6 34	-56.18	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1000	1559.000~1610. 000	1594.7 02	-56.17	-40	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1000	1610.000~10000 .000	5908.7 56	-53.16	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	6.25	763.0~775.0	773.17 8	-52.85	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	100	775.0~776.9	776.89 9	-32.35	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	30	776.9~777.0	776.99 8	-32.38	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	30	787.0~787.1	787.03 7	-56.16	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	100	787.1~793.0	788.99 2	-66.44	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	6.25	793.0~805.0	802.30 8	-74.20	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	6.25	763.0~775.0	774.46 1	-70.04	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	100	775.0~776.9	776.88 9	-49.16	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	30	776.9~777.0	776.90 5	-58.48	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	30	787.0~787.1	787.04 9	-68.40	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	100	787.1~793.0	787.18 0	-57.04	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	6.25	793.0~805.0	794.60 2	-73.83	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	6.25	763.0~775.0	773.22 0	-69.08	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	100	775.0~776.9	776.89 7	-54.64	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	30	776.9~777.0	776.99 2	-54.60	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	30	787.0~787.1	787.00 1	-29.56	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	100	787.1~793.0	787.10 3	-32.08	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	6.25	793.0~805.0	800.29 6	-74.22	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	50	0	6.25	763.0~775.0	774.64	-41.58	-35	Pass

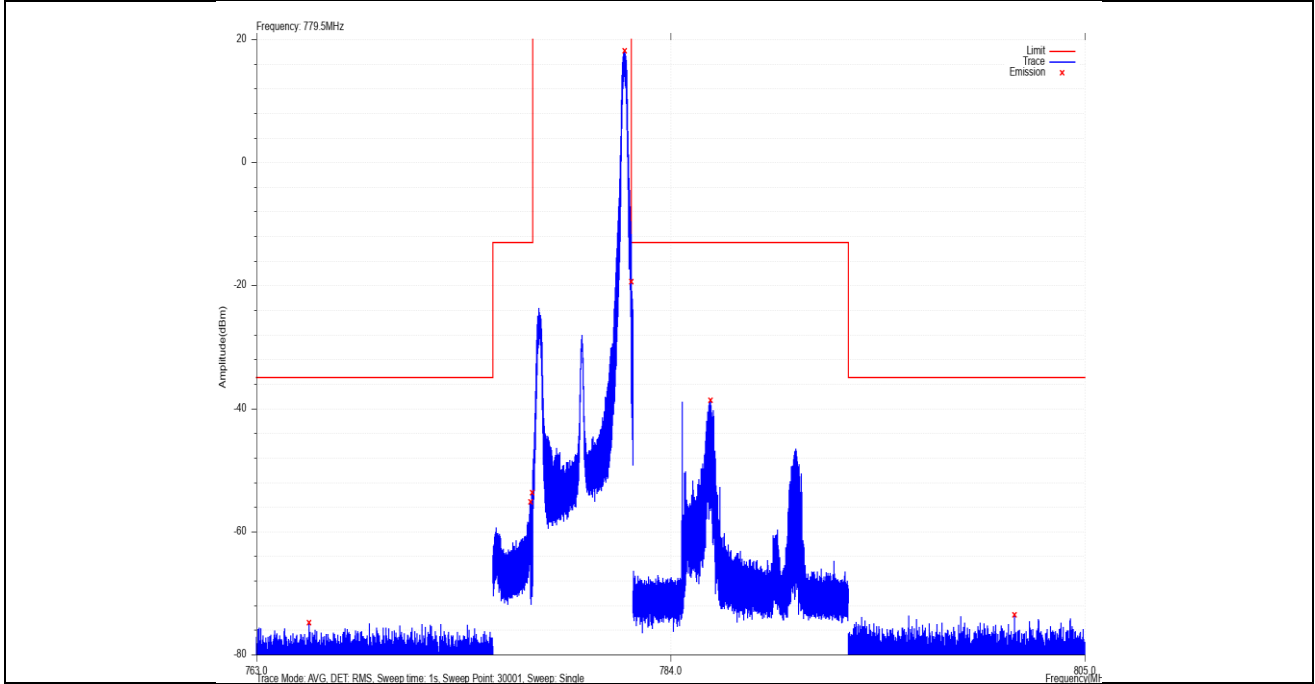
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NV_NT	Band 13	16QAM	10M	782.0	50	0	30	787.0~787.1	787.041	-32.44	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	787.1~793.0	791.066	-66.83	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.25	793.0~805.0	798.140	-74.48	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1	0.009~0.150	0.009	-55.47	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	10	0.150~30.000	0.152	-56.77	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	30.000~763.000	420.103	-61.91	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	100	805.000~1000.000	830.467	-61.69	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1000.000~1559.000	1558.571	-55.88	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1559.000~1610.000	1565.241	-55.54	-40	Pass
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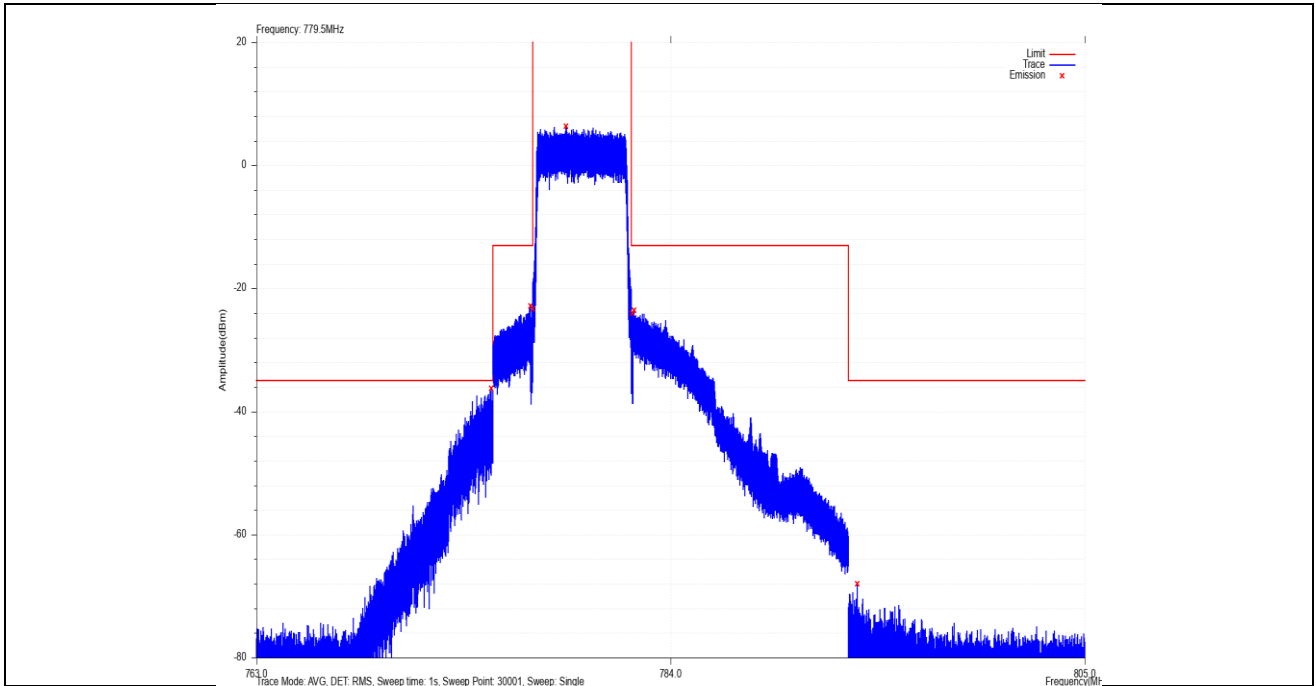
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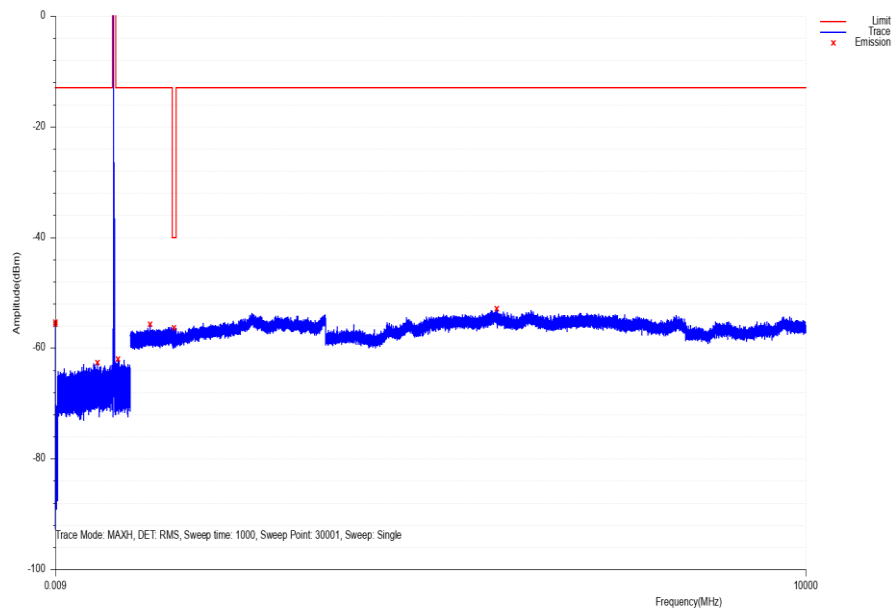


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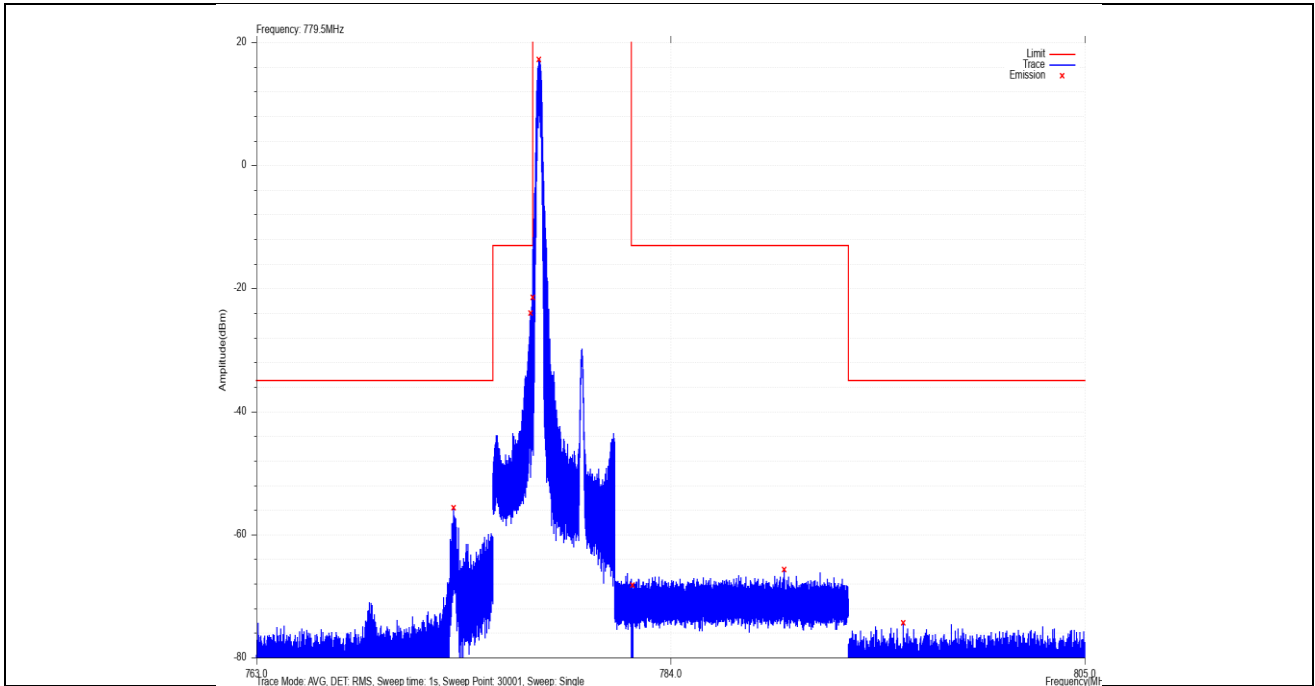


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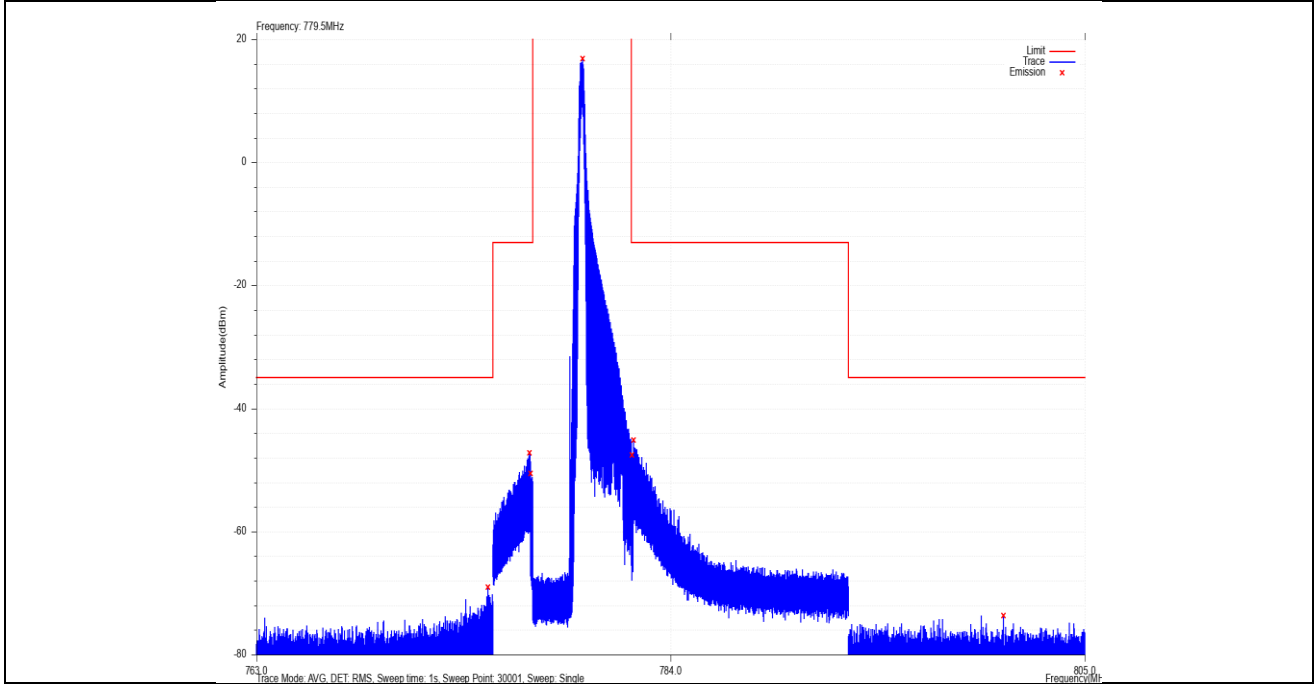
Unwanted spurious emissions



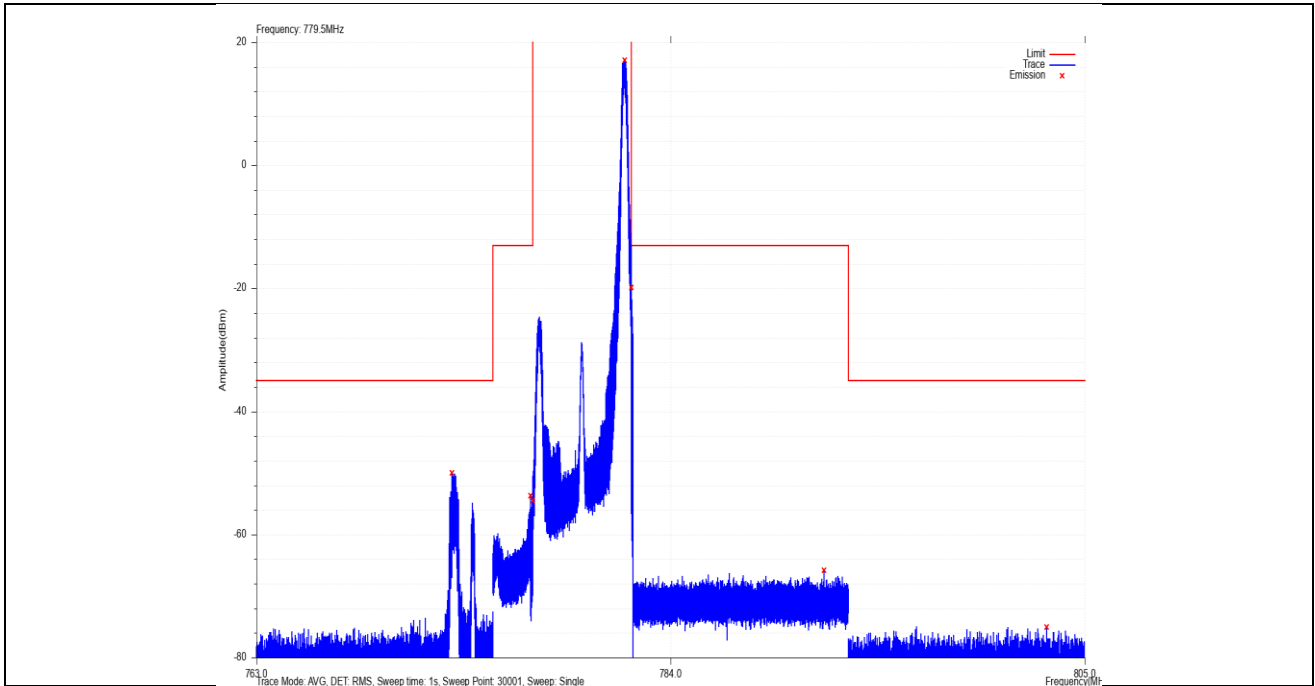
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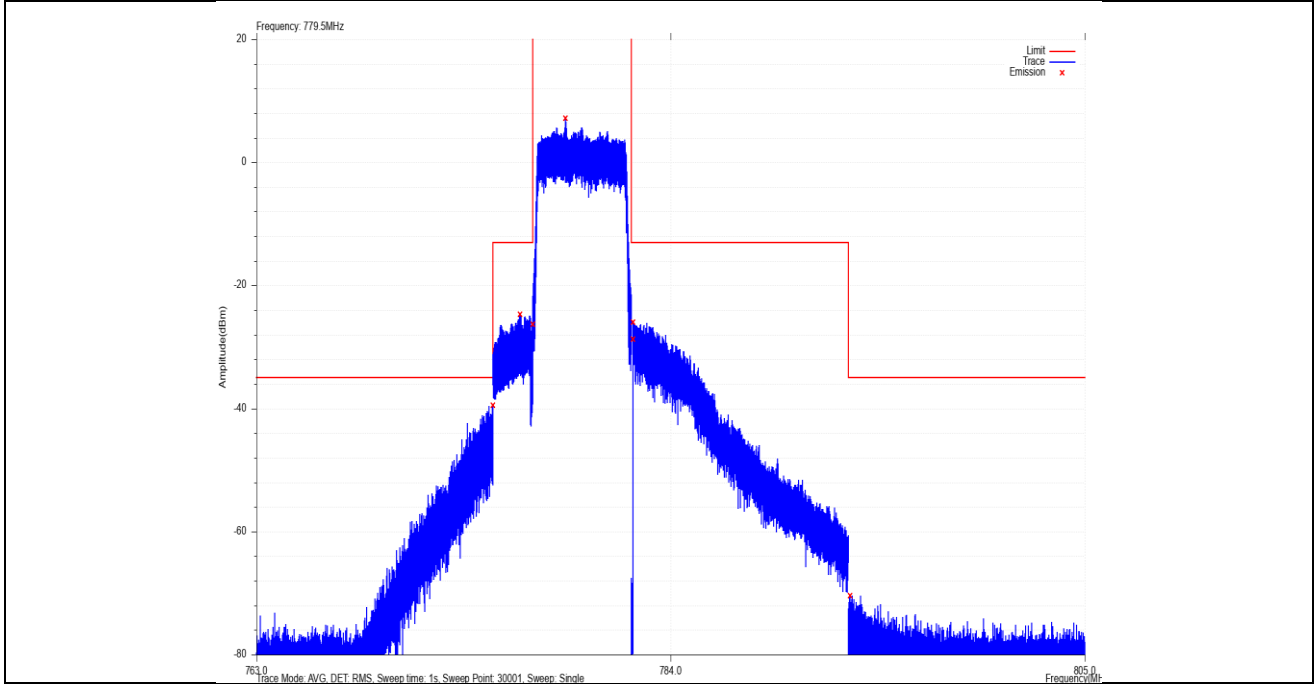
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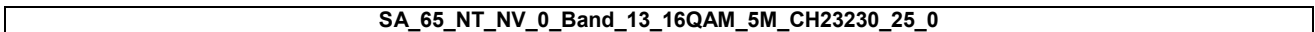
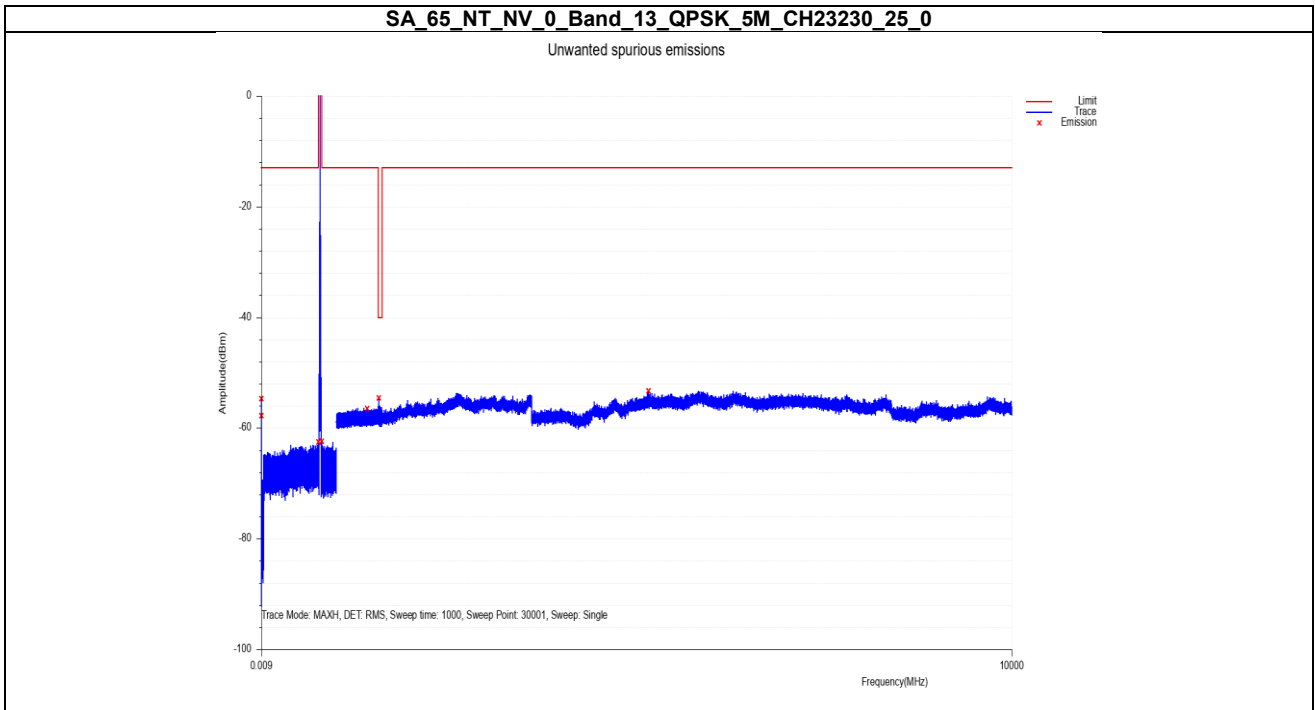
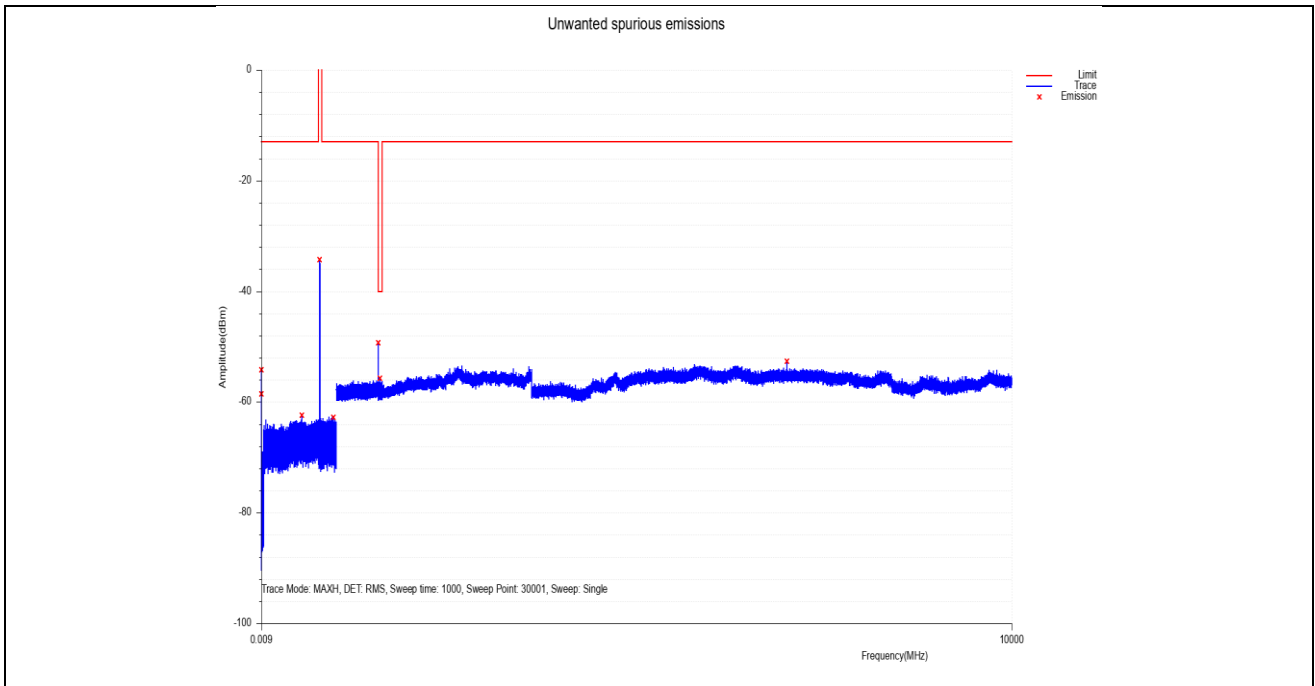
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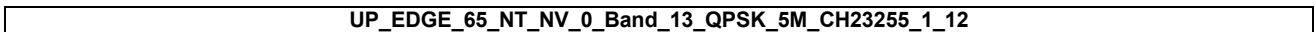
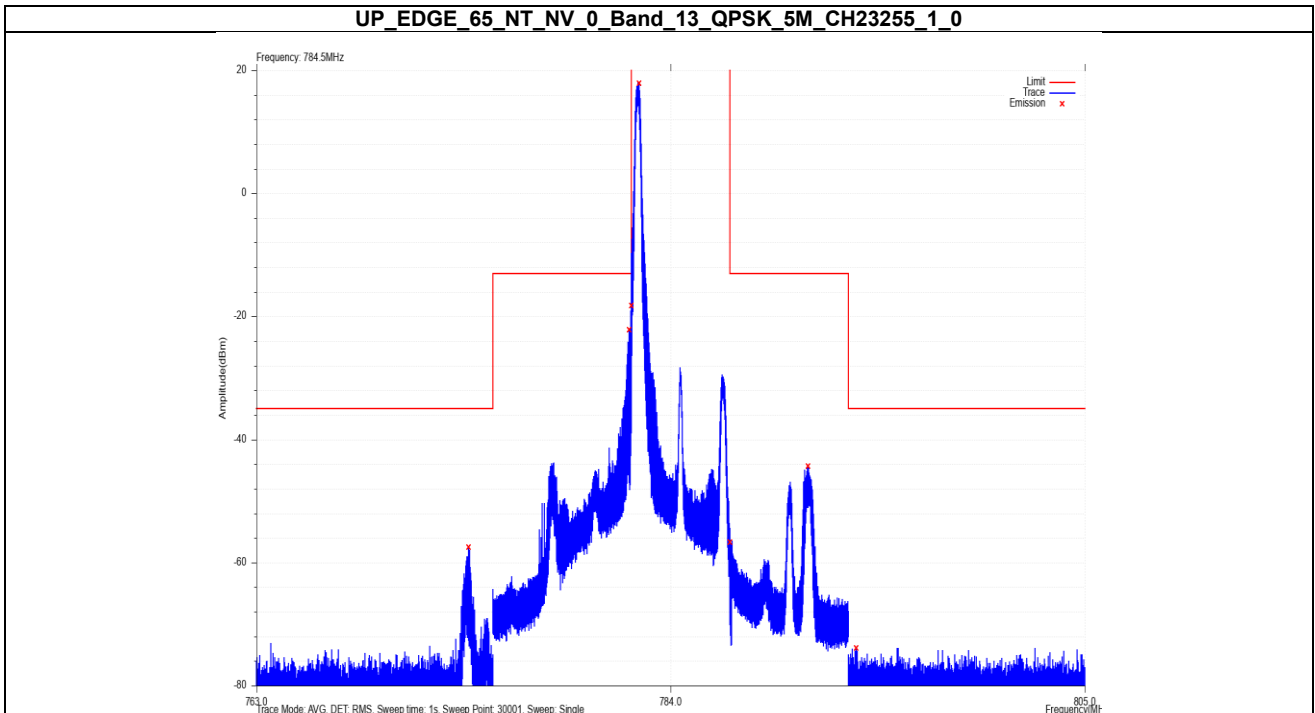
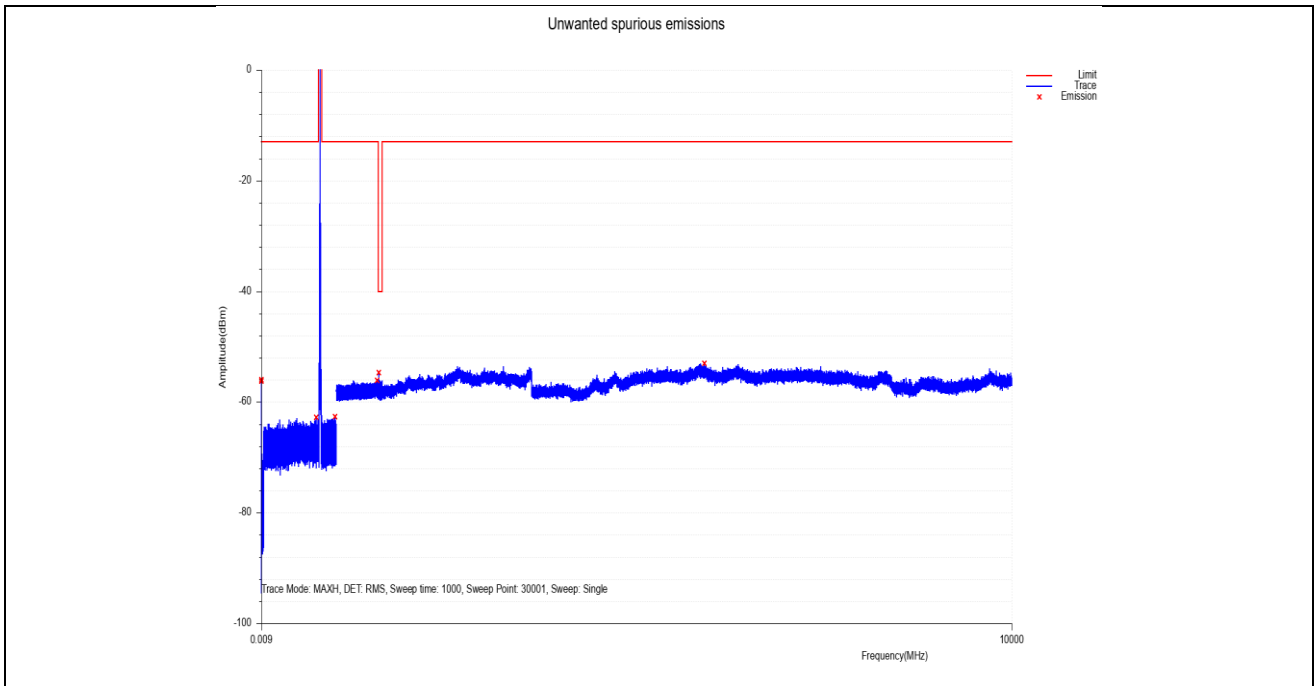


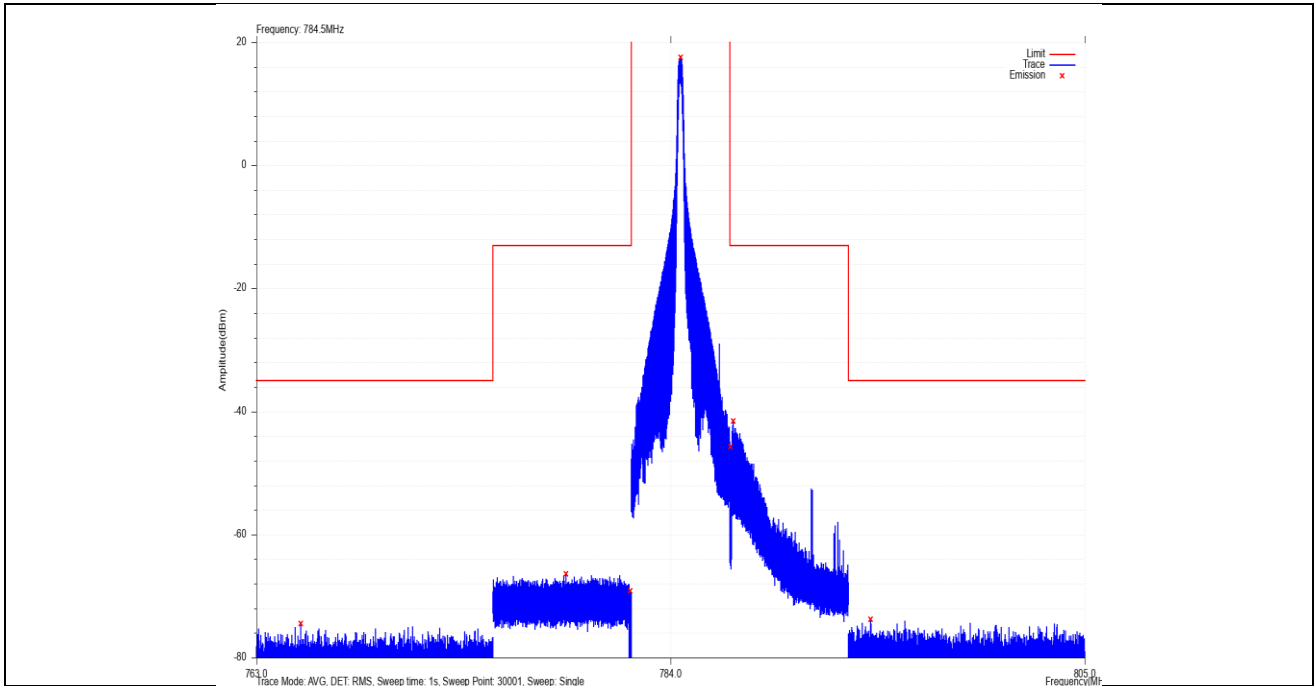
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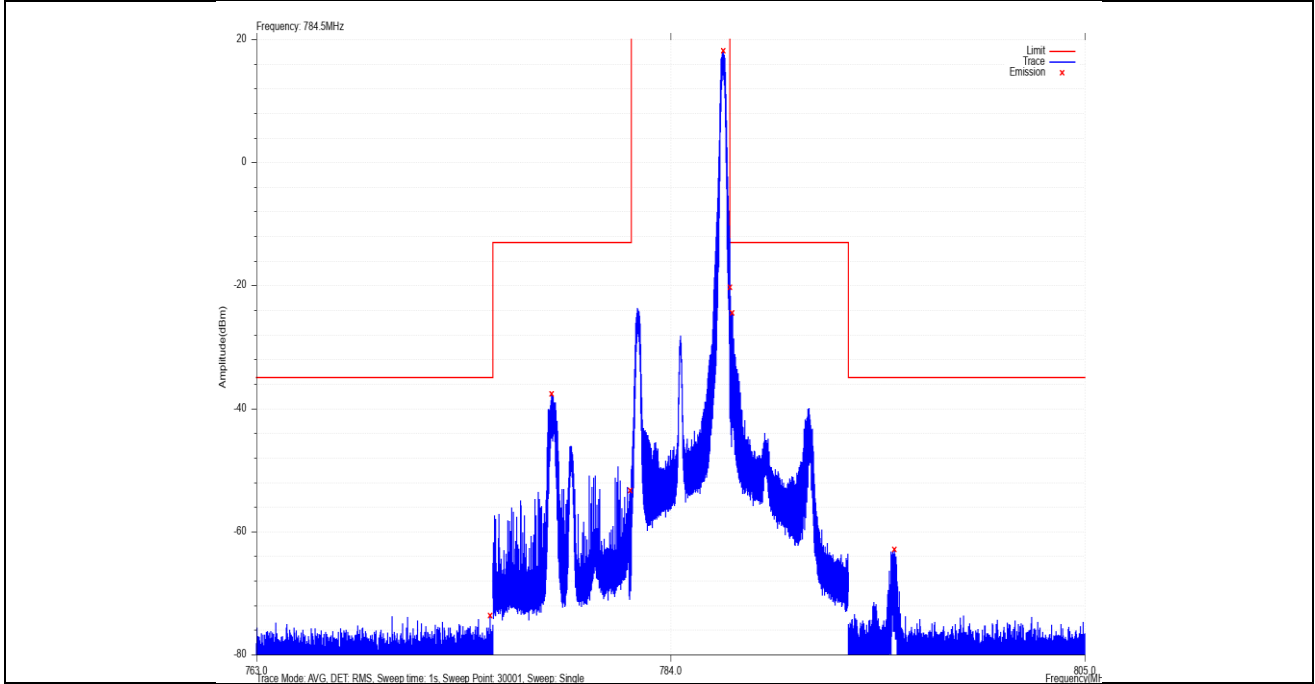
SA_65_NT_NV_0_Band_13_16QAM_5M_CH23205_1_0



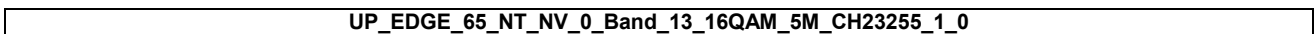
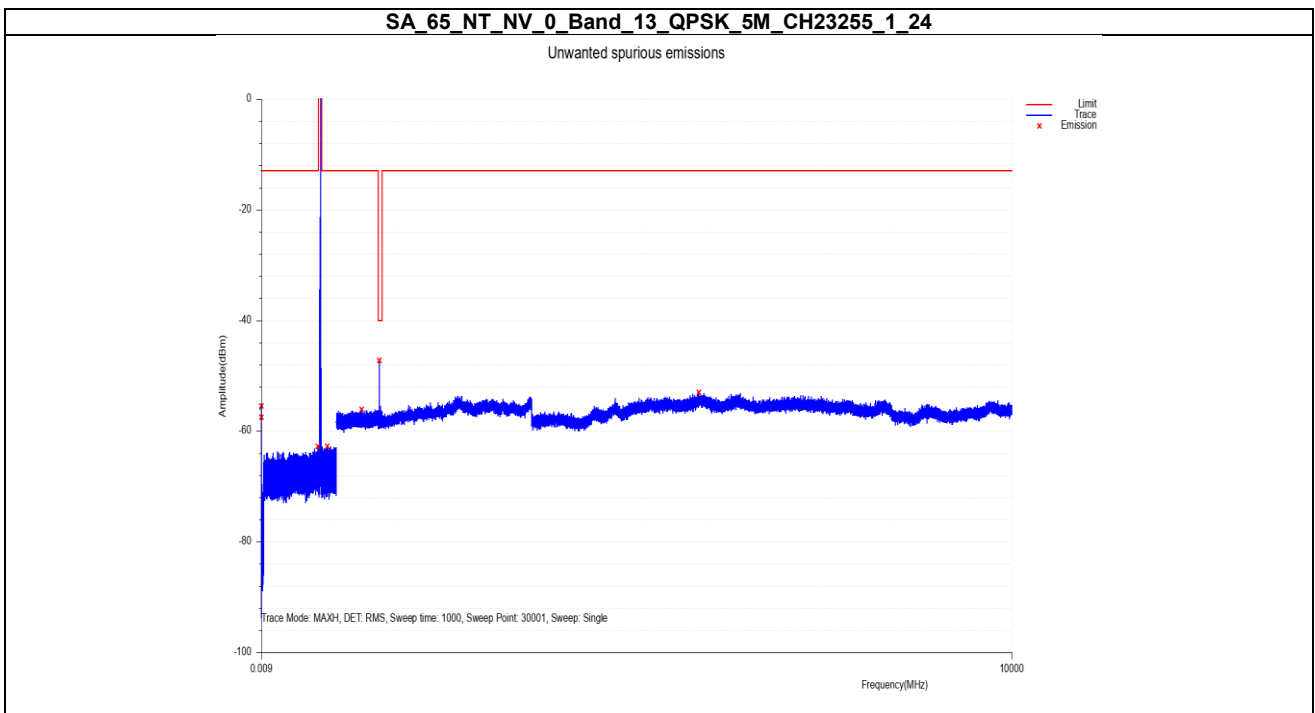
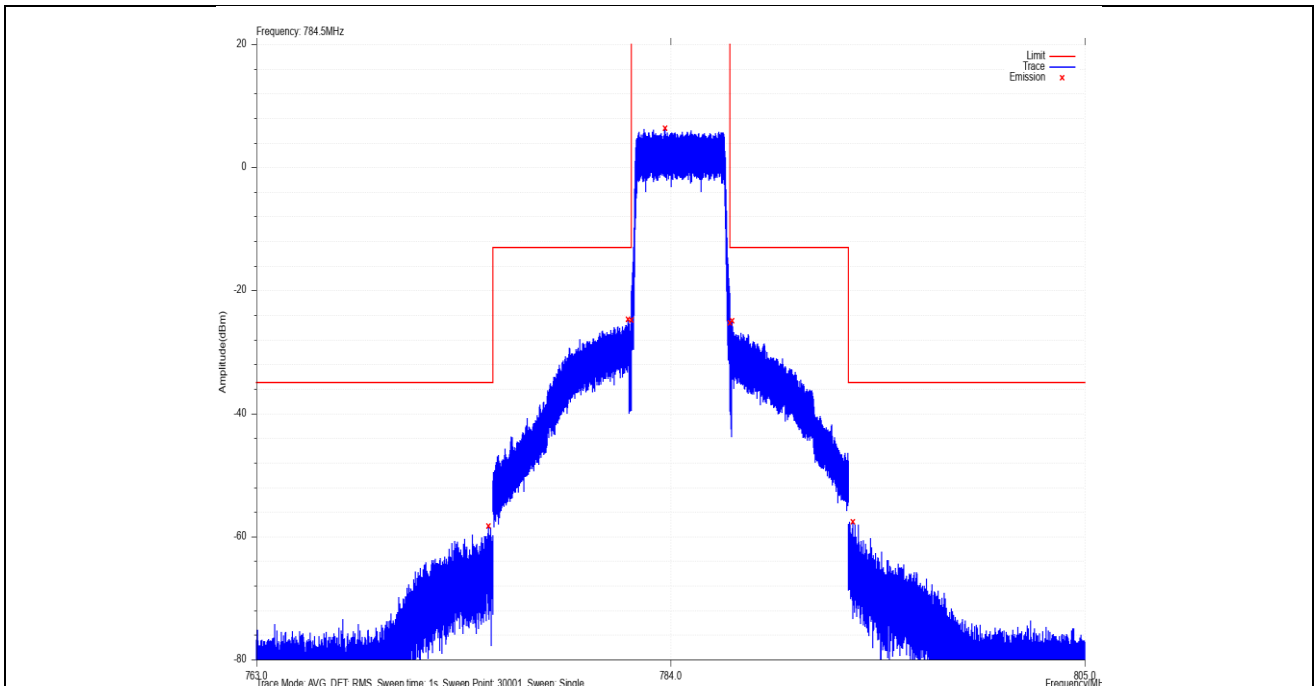


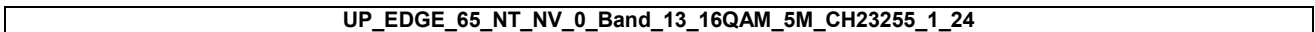
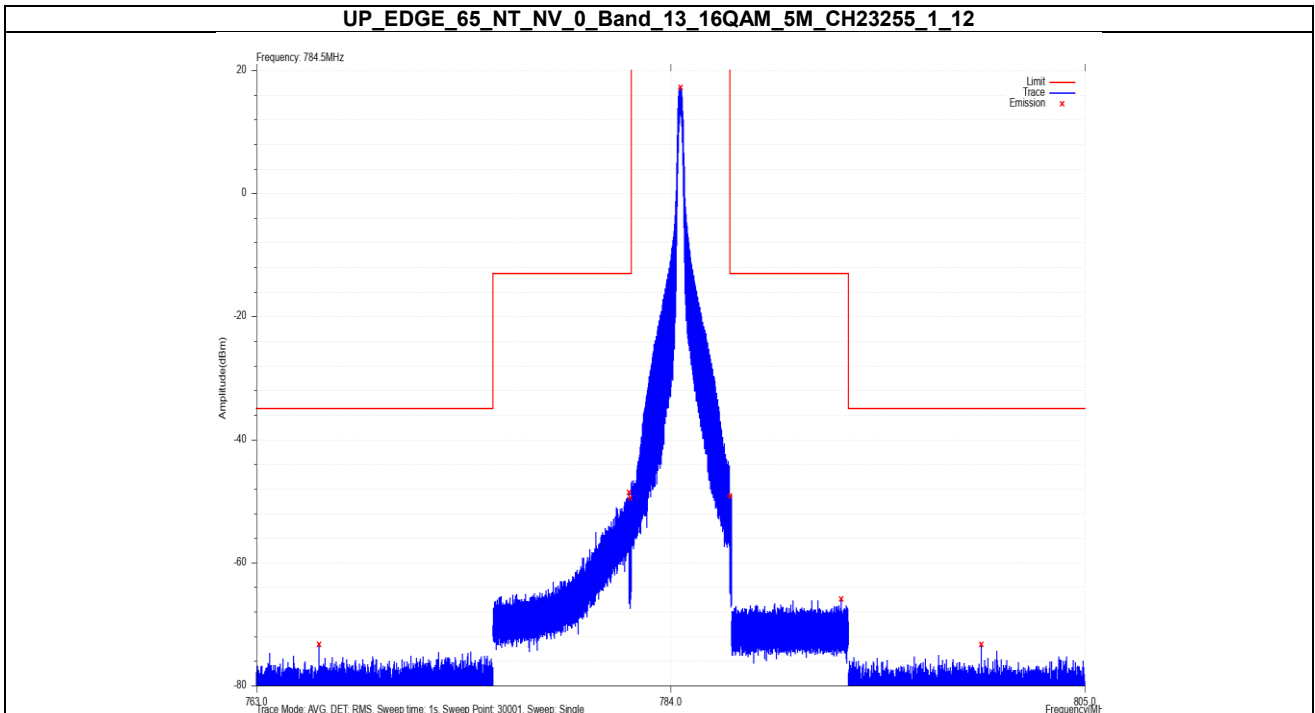
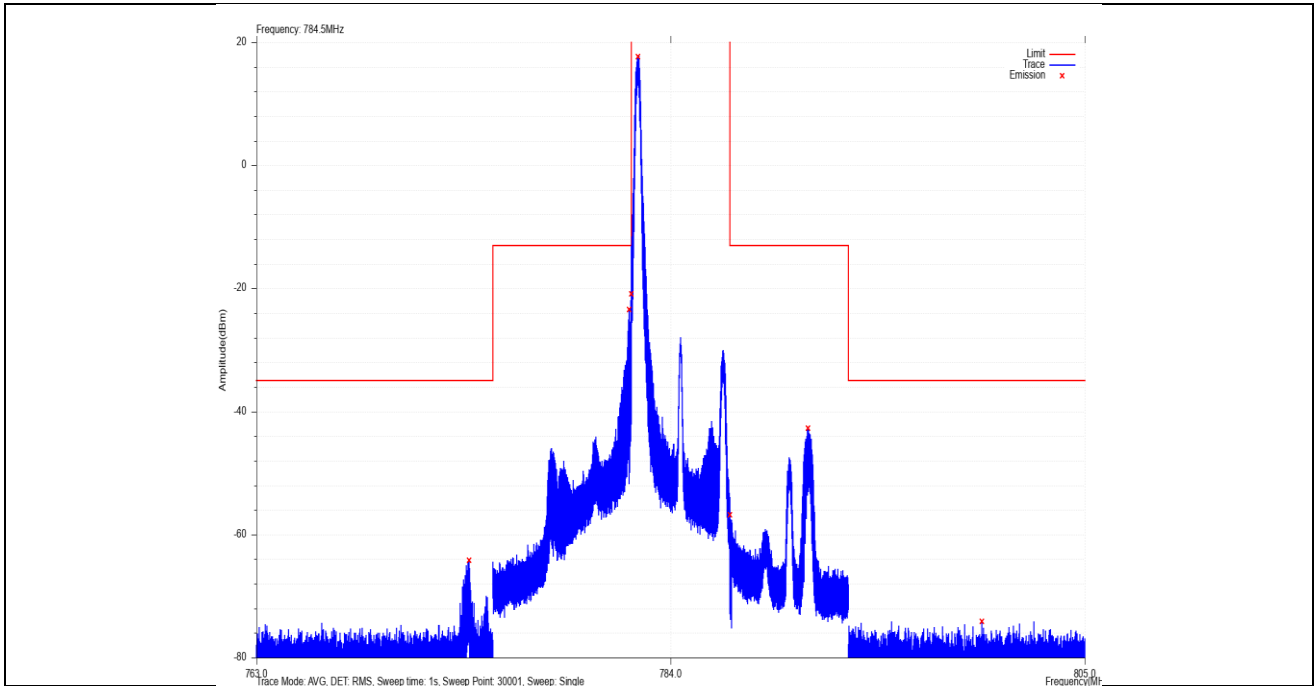


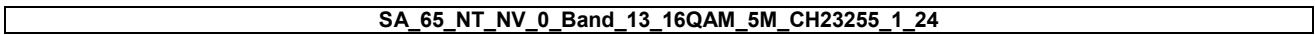
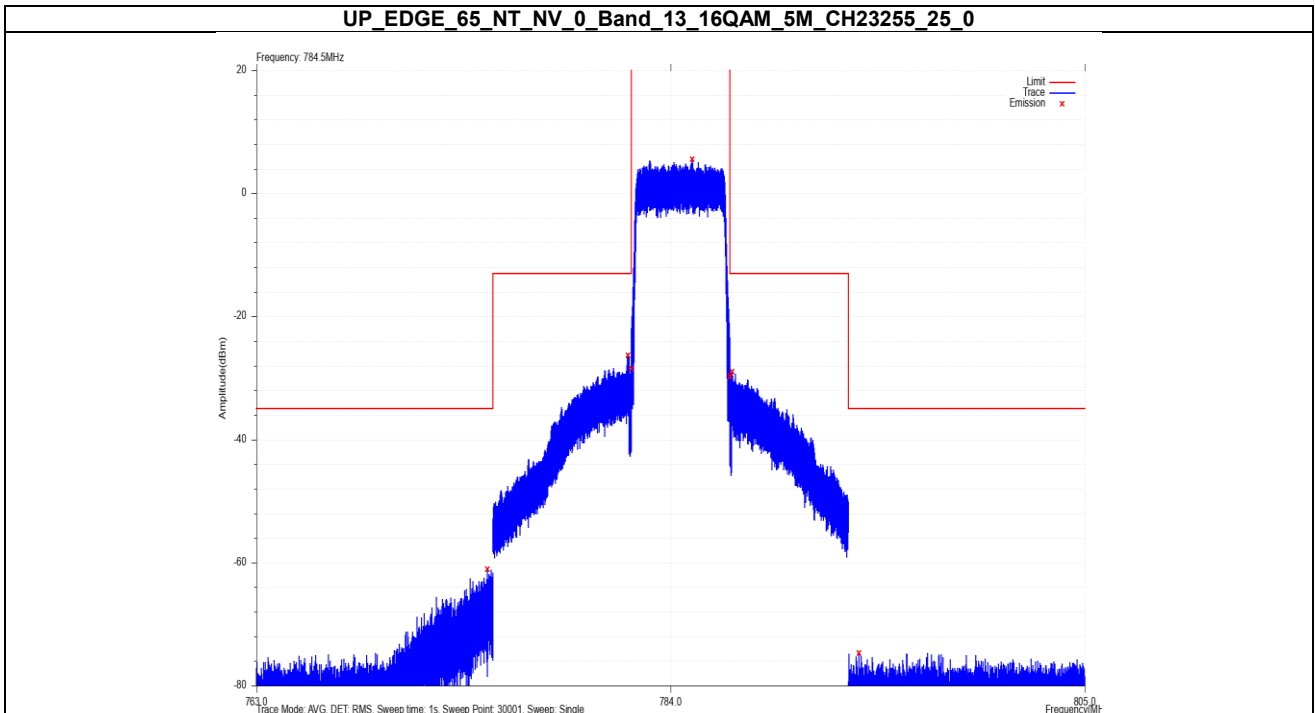
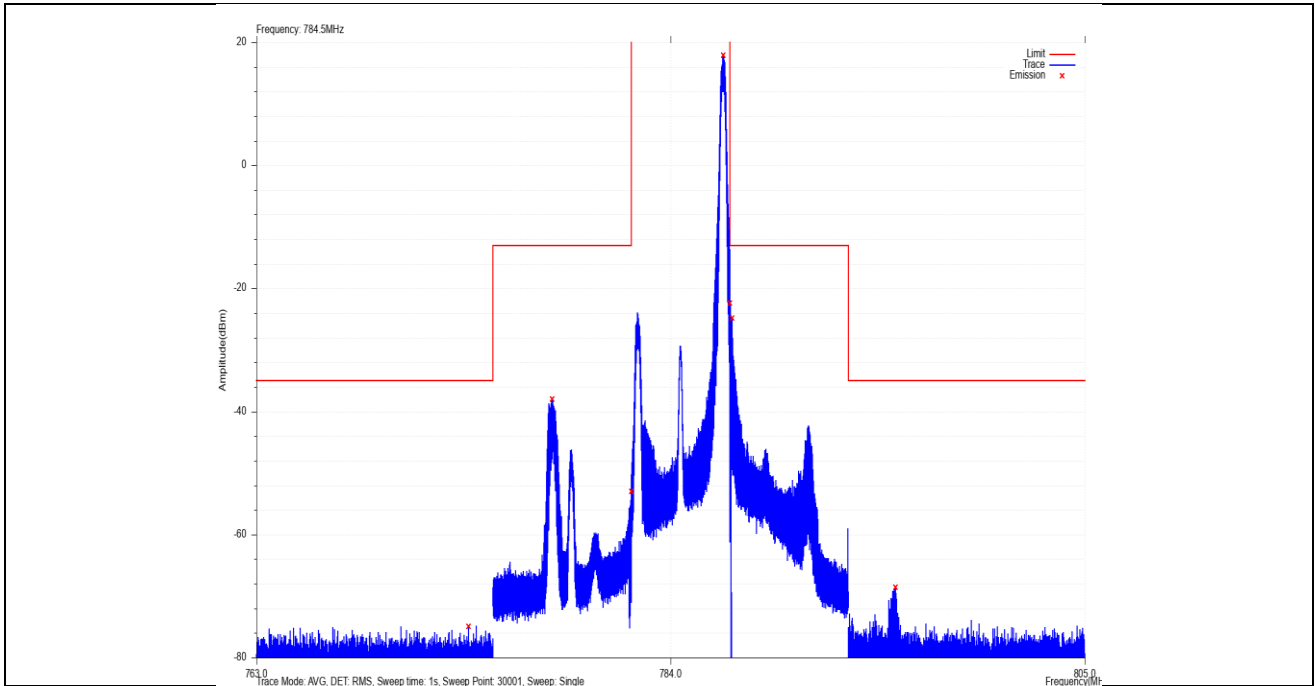
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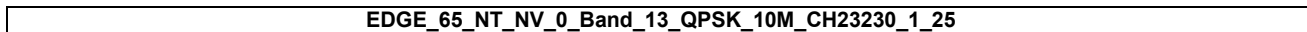
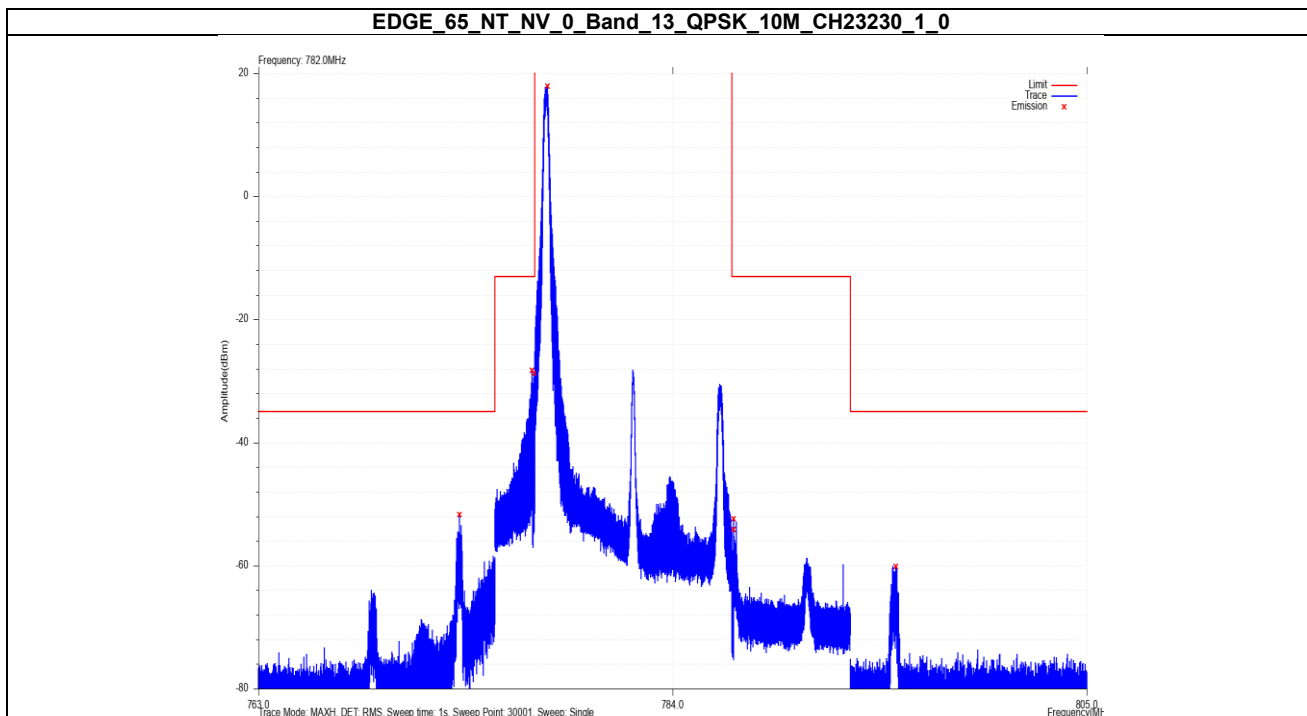
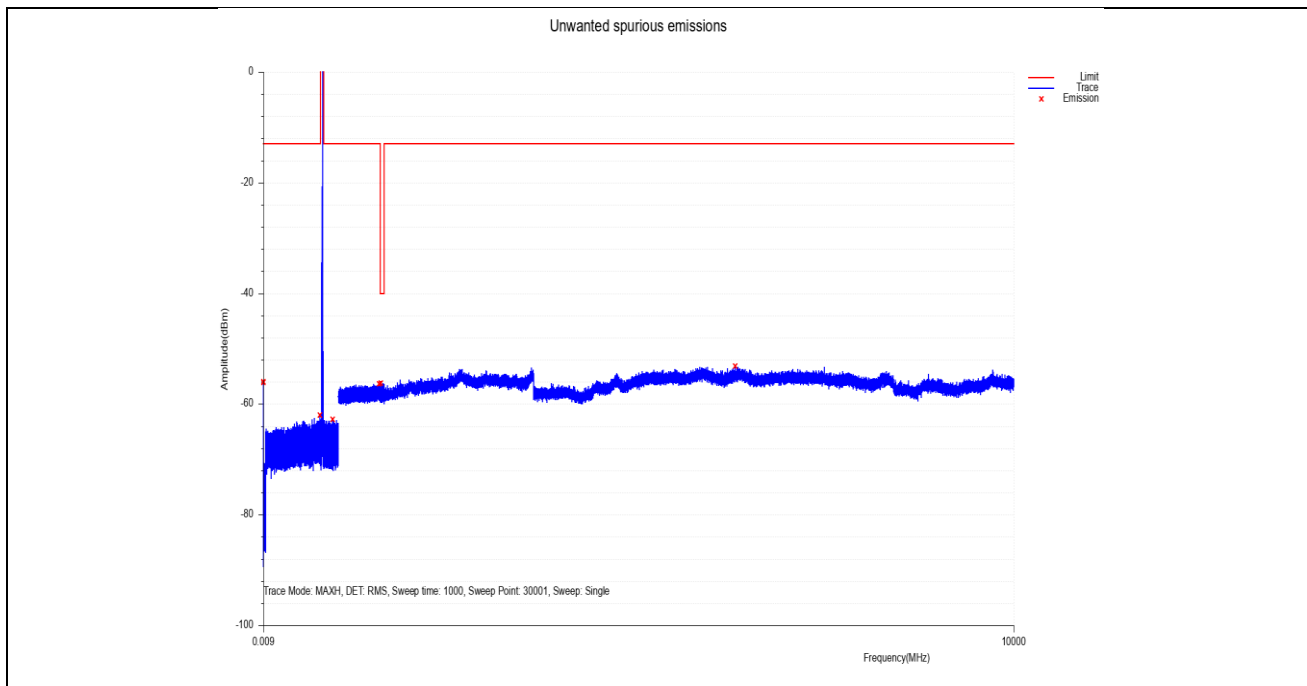


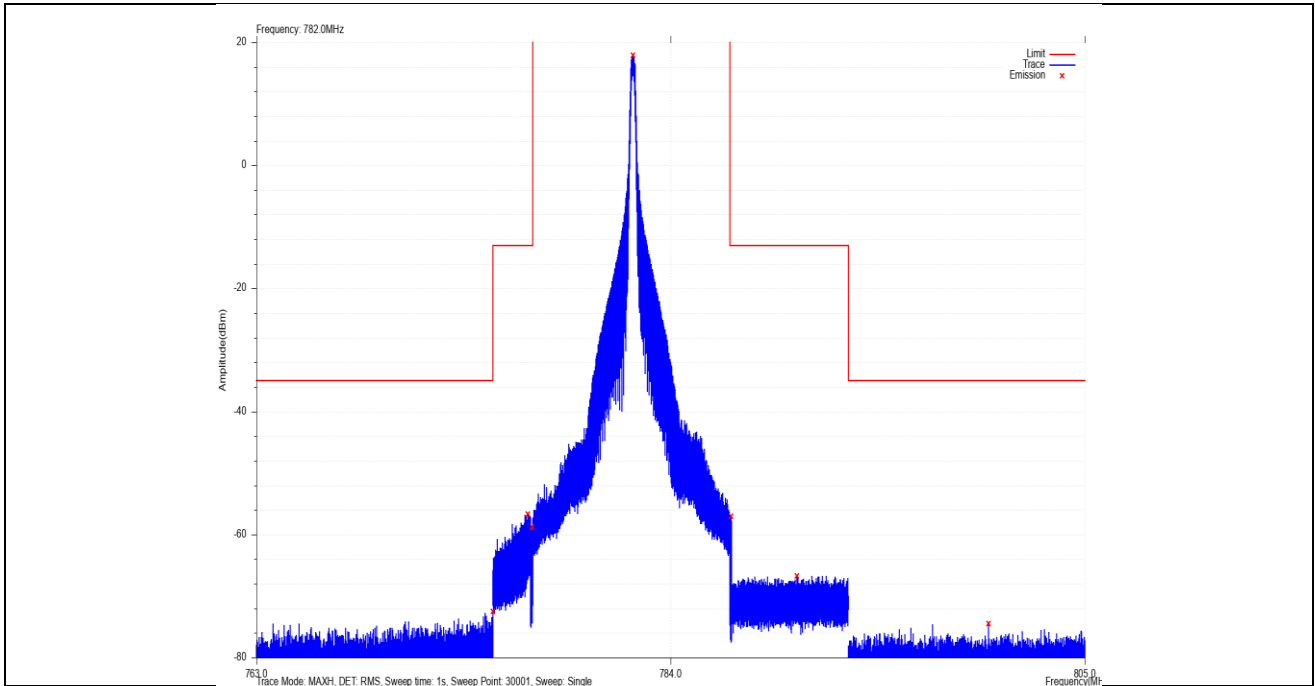
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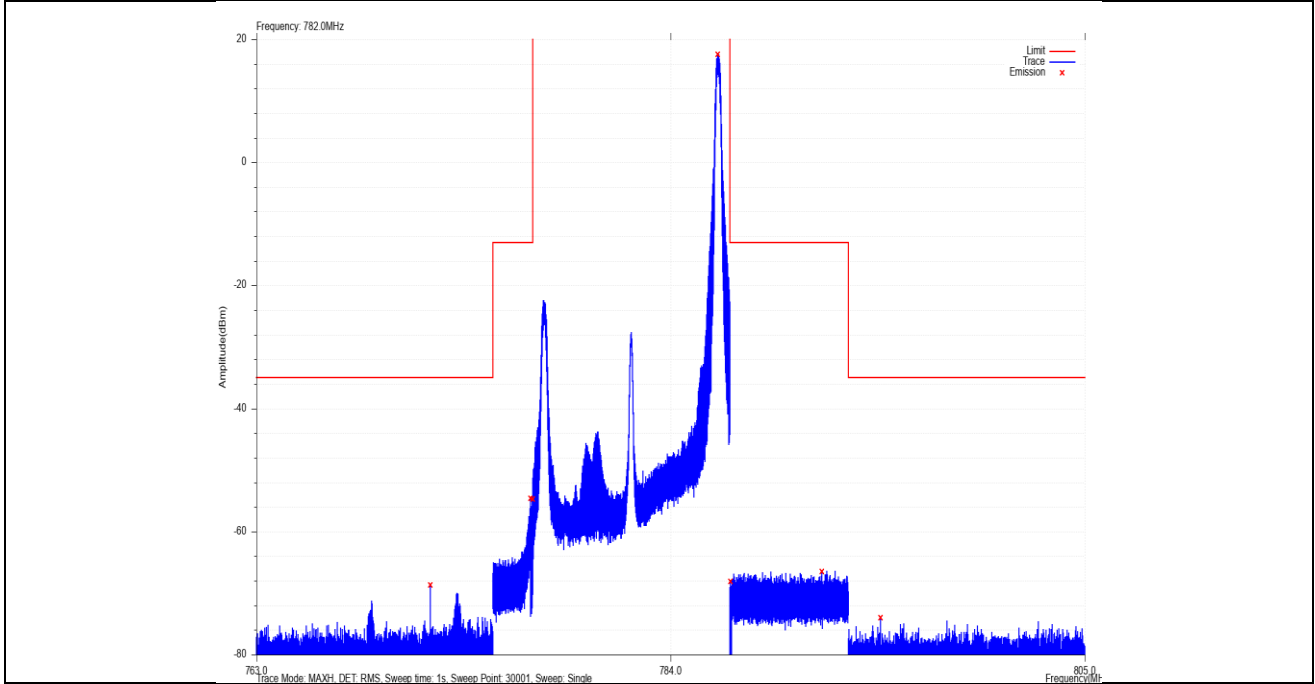




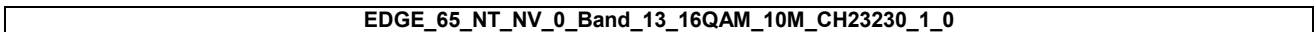
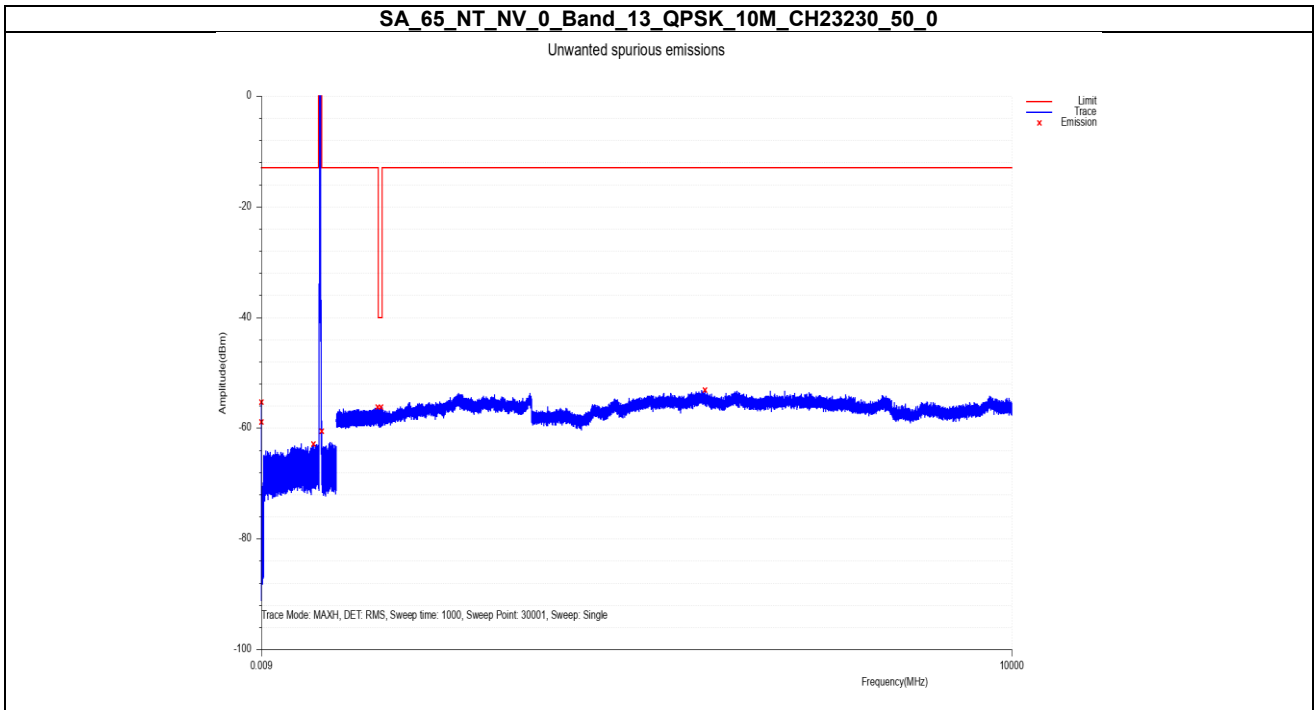
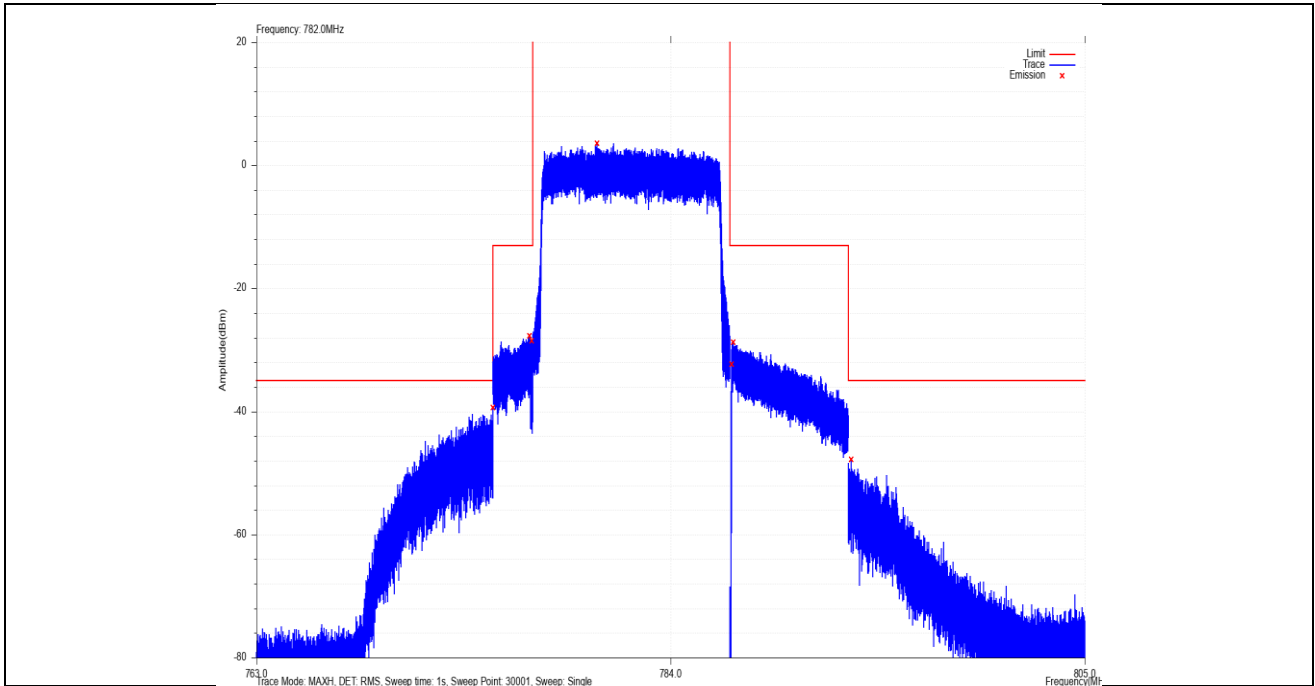


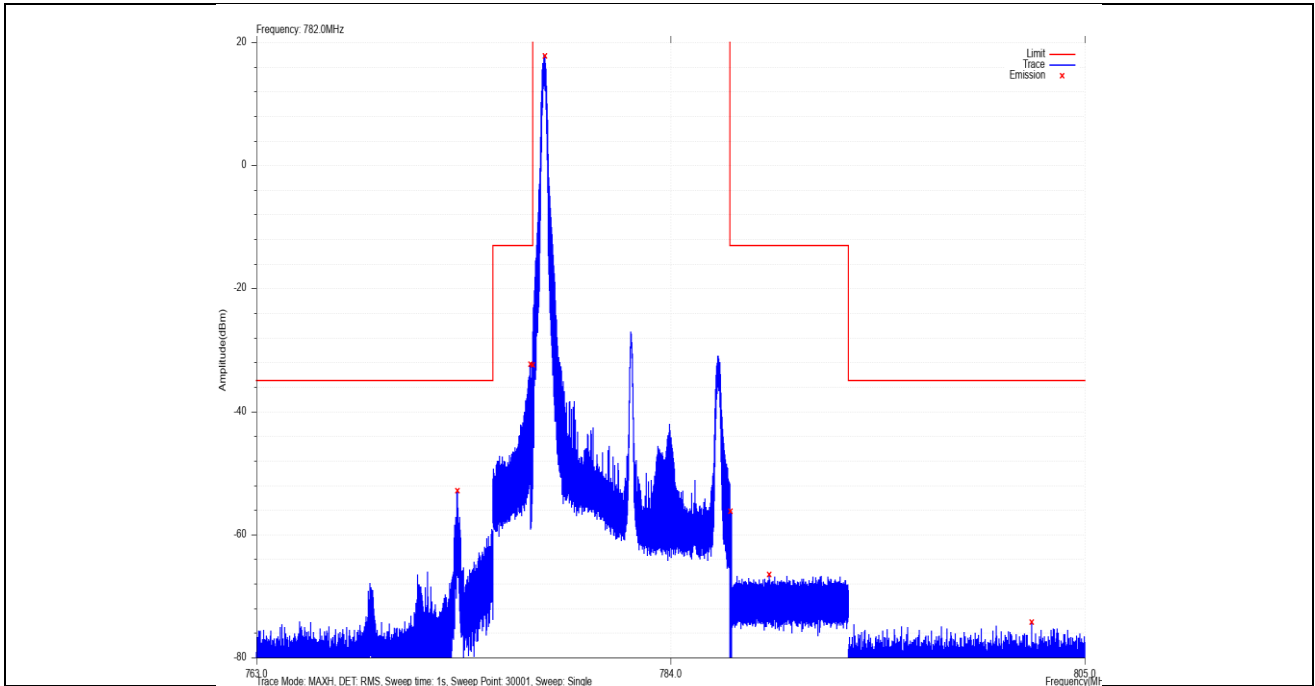


EDGE_65_NT_NV_0_Band_13_QPSK_10M_CH23230_1_49

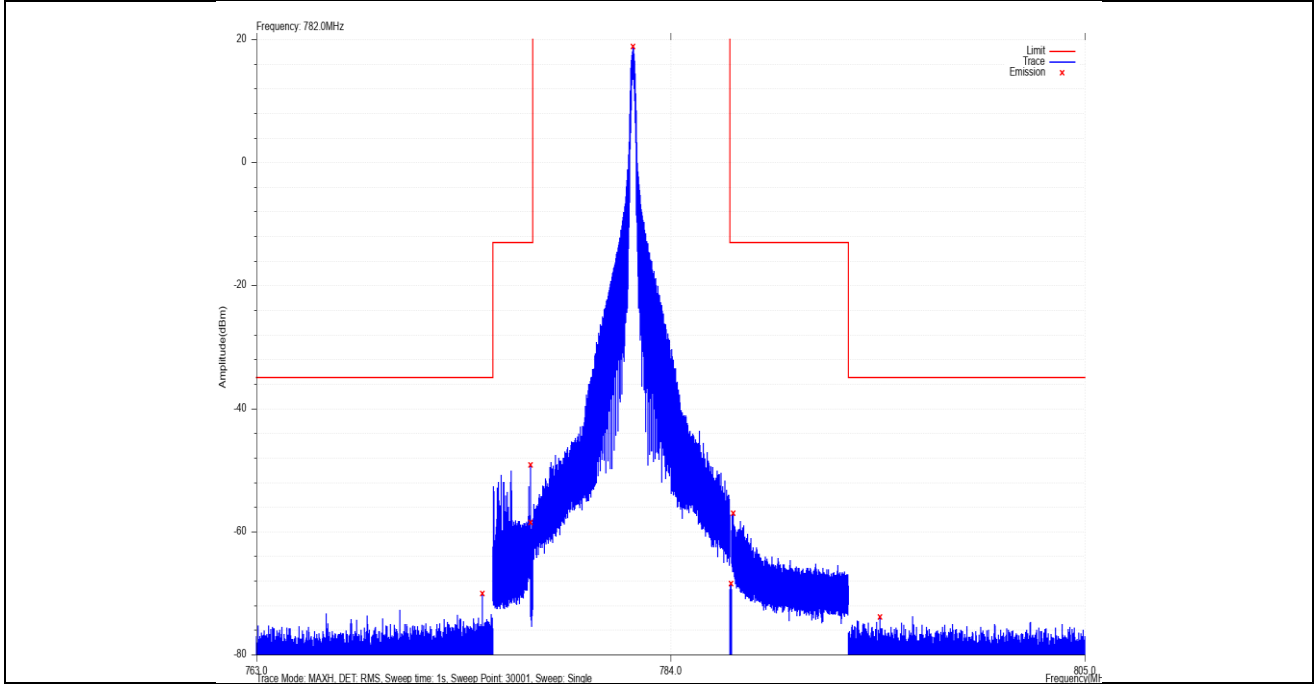


EDGE_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0

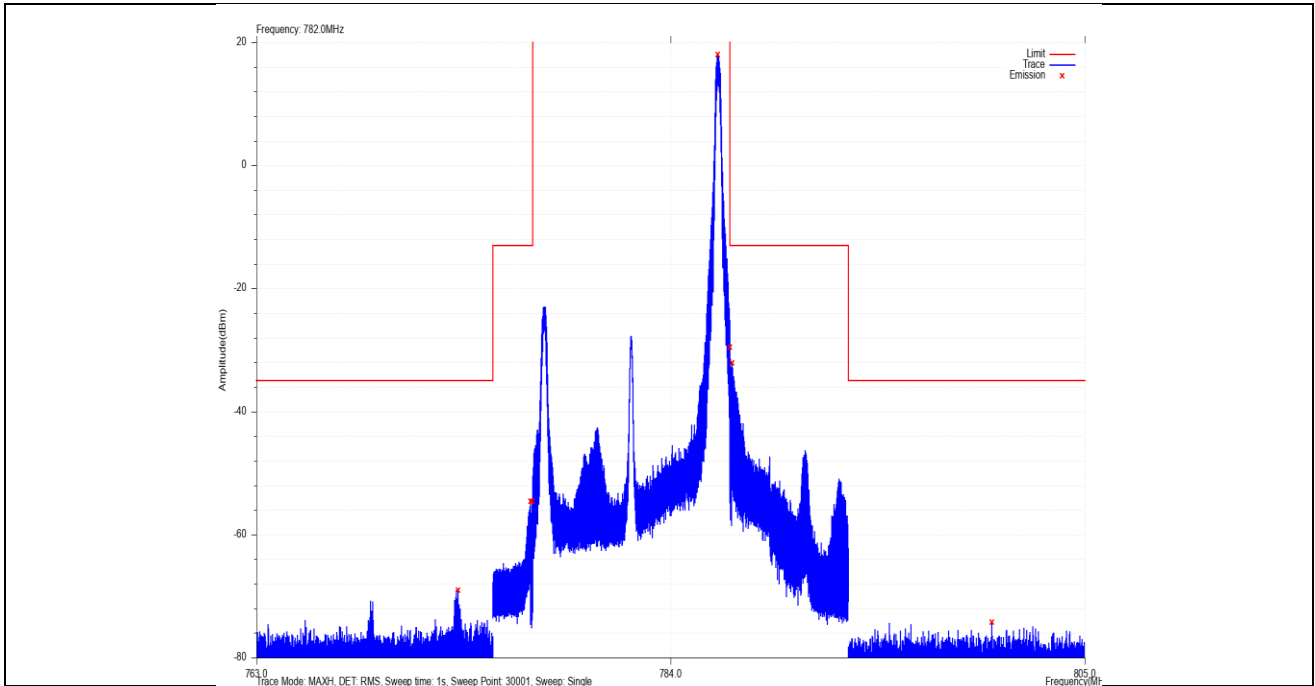




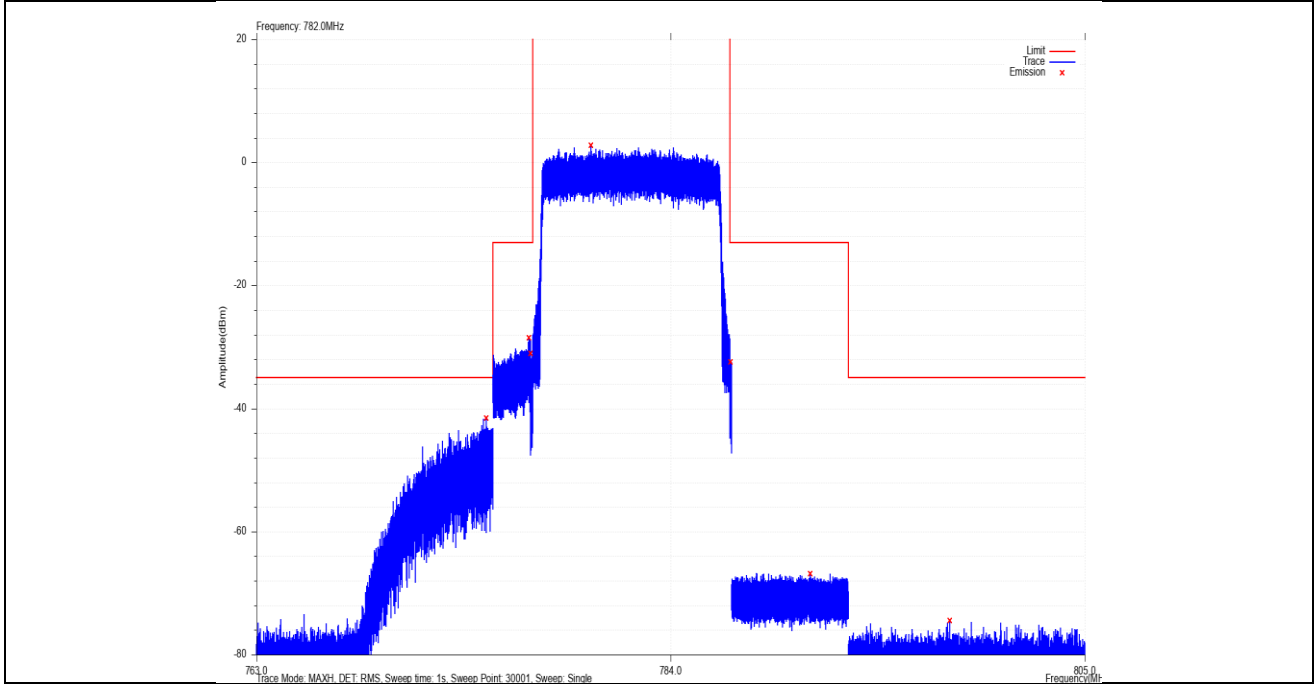
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EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_1_49

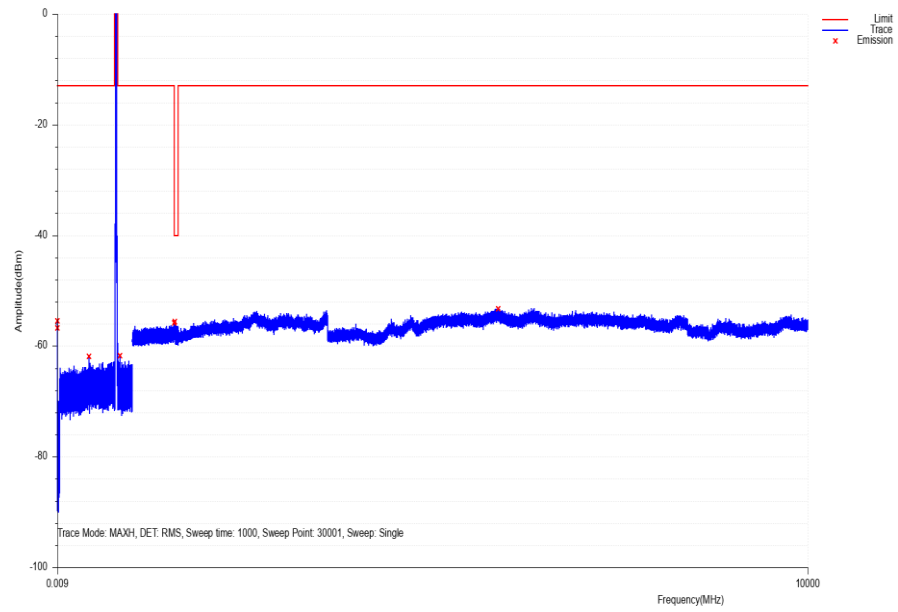


EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0



SA_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0

Unwanted spurious emissions



5. Frequency Stability

Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-0.01895	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	0.00745	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	0.03646	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-0.02341	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	0.04966	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	0.02807	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-0.04852	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	0.04925	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-0.01445	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-0.01086	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	0.03311	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-0.00668	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-0.00003	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	0.01419	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	0.01837	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-0.03234	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	0.03427	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	0.04646	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	0.01396	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	0.03579	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	0.01314	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-0.04913	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-0.00452	±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	0.00805	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-0.03406	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-0.00090	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	0.02322	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	0.04877	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	0.02325	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	0.04753	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-0.03065	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-0.04121	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	0.03331	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	0.01006	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	0.01569	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	0.01299	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	0.03596	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	0.01705	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	0.00691	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	0.00149	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-0.02483	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-0.00324	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	0.04115	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-0.02781	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	0.03583	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-0.03689	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-0.02452	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-0.04858	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-0.02454	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	0.01440	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	0.03424	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	0.03481	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-0.00632	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	0.03654	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-0.01322	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-0.01478	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	0.04166	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-0.04189	±2.5	PASS
Band13	10MHz	QPSK	23130	50RB#0	NV	-30	-0.03899	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	0.03218	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-0.00311	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	0.04544	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-0.00510	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	0.00138	±2.5	PASS