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NewPlan(2)(2)

FCC LTE FDD Test Data

1. Effective (Isotropic) Radiated Power Output Data

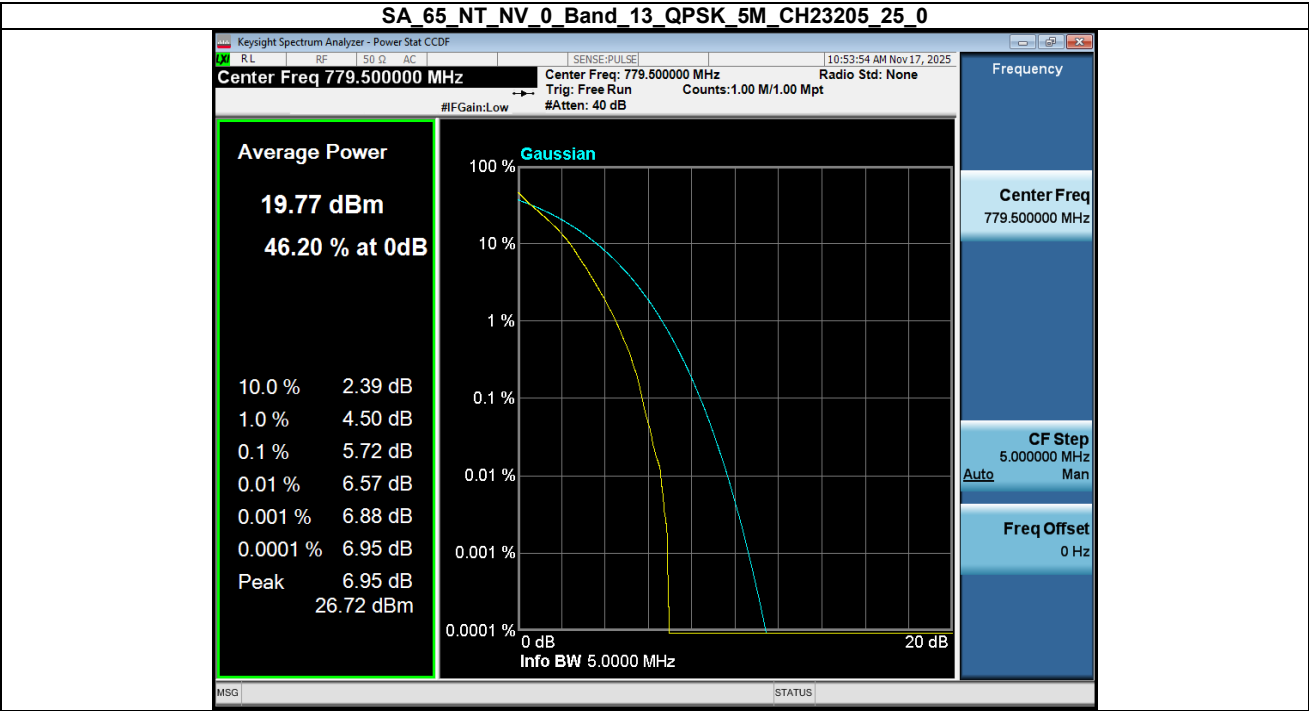
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.30	0.19	21.34	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.03	0.19	22.07	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.59	0.19	21.63	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	24.13	0.19	22.17	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.46	0.19	21.50	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.34	0.19	21.38	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.02	0.19	21.06	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.40	0.19	21.44	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.51	0.19	21.55	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.85	0.19	21.89	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.35	0.19	21.39	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.43	0.19	21.47	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.64	0.19	21.68	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.42	0.19	21.46	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.68	0.19	20.72	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.62	0.19	20.66	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.78	0.19	21.82	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.80	0.19	21.84	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.81	0.19	20.85	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.28	0.19	20.32	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	24.25	0.19	22.29	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.85	0.19	20.89	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.20	0.19	21.24	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.81	0.19	20.85	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#0	23.64	0.19	21.68	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#6	23.01	0.19	21.05	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#13	23.58	0.19	21.62	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.77	0.19	20.81	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.72	0.19	20.76	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.79	0.19	20.83	34.77	PASS

Band13	5MHz	16QAM	23230	1RB#24	23.51	0.19	21.55	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#0	23.70	0.19	21.74	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.88	0.19	20.92	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#13	23.51	0.19	21.55	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	23.00	0.19	21.04	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.25	0.19	21.29	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.23	0.19	21.27	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.77	0.19	20.81	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#0	23.31	0.19	21.35	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.90	0.19	20.94	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.90	0.19	20.94	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	23.94	0.19	21.98	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.50	0.19	21.54	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.95	0.19	20.99	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.45	0.19	20.49	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.57	0.19	20.61	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.51	0.19	20.55	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.48	0.19	20.52	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.99	0.19	22.03	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.95	0.19	19.99	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.79	0.19	20.83	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.11	0.19	21.15	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#0	23.42	0.19	21.46	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	23.87	0.19	21.91	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#25	23.00	0.19	21.04	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.33	0.19	20.37	34.77	PASS

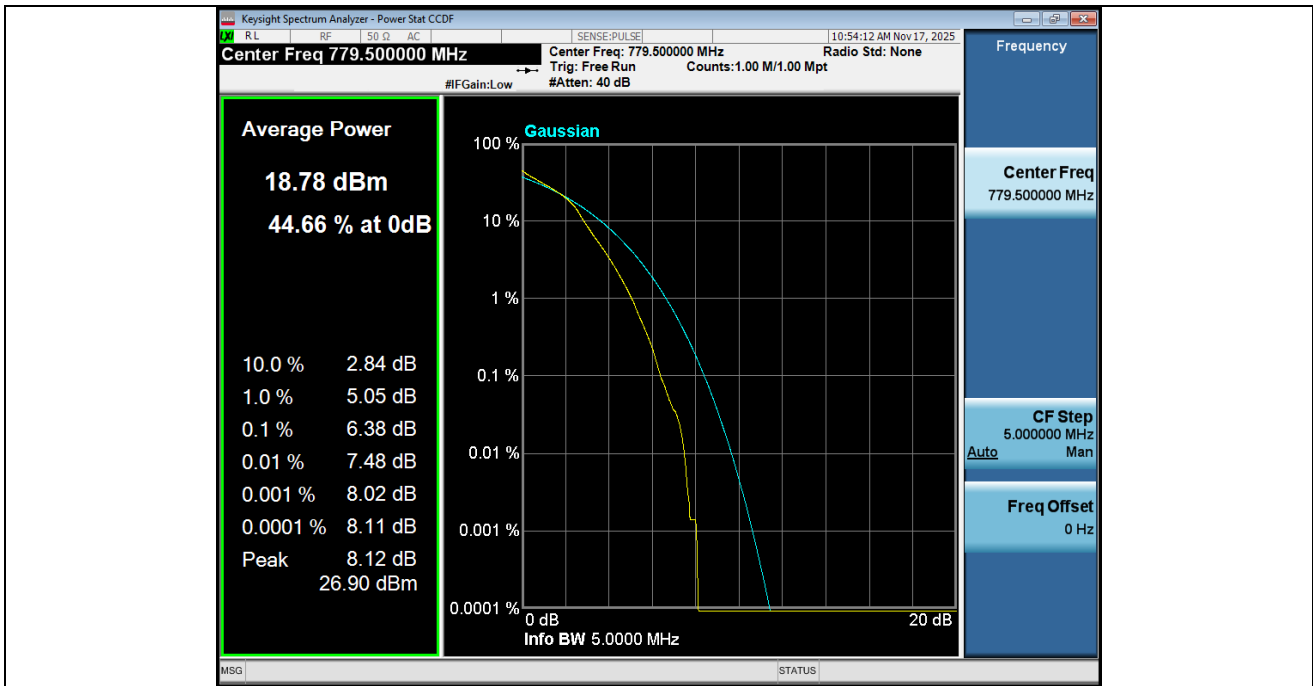
ERP = Conducted Power + ANT Gain - 2.15

2. Peak to Average Ratio

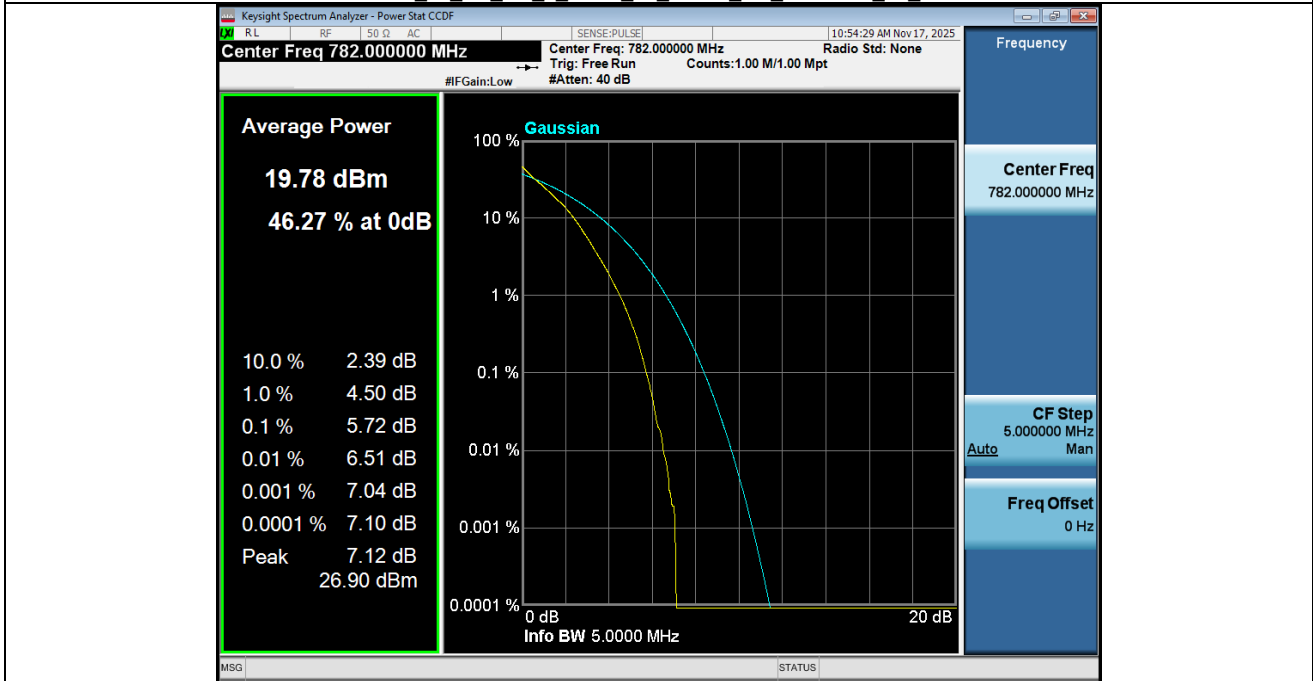
Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NV_NT	Band 13	QPSK	5M	779.5	25	0	5.72	13.00	Pass
NV_NT	Band 13	16QAM	5M	779.5	25	0	6.38	13.00	Pass
NV_NT	Band 13	QPSK	5M	782.0	25	0	5.72	13.00	Pass
NV_NT	Band 13	16QAM	5M	782.0	25	0	6.36	13.00	Pass
NV_NT	Band 13	QPSK	5M	784.5	25	0	5.72	13.00	Pass
NV_NT	Band 13	16QAM	5M	784.5	25	0	6.29	13.00	Pass
NV_NT	Band 13	QPSK	10M	782.0	50	0	5.64	13.00	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.35	13.00	Pass



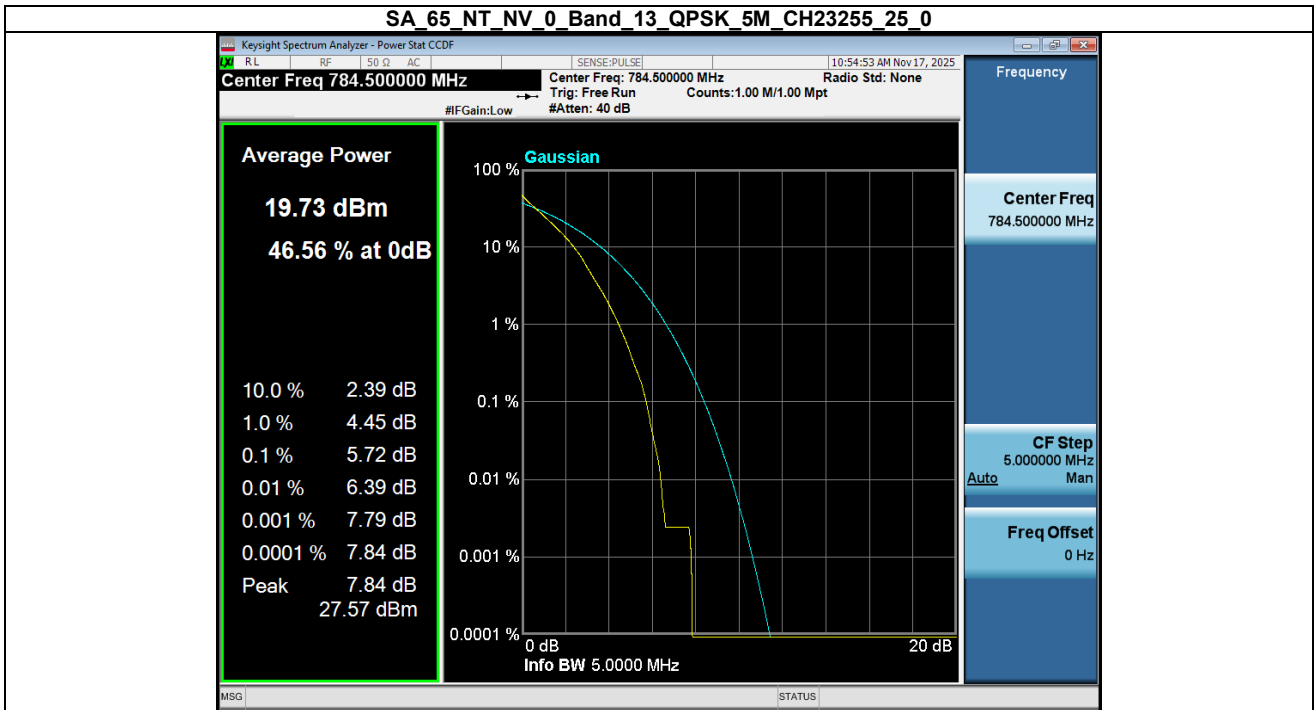
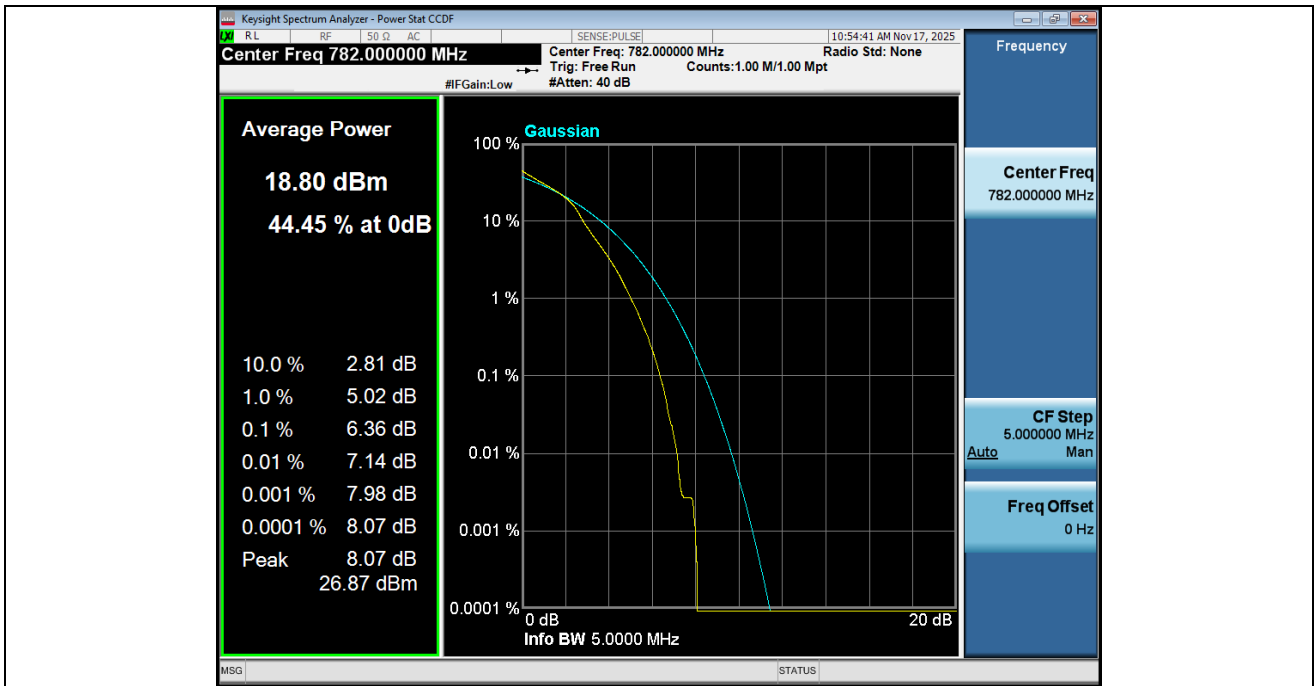
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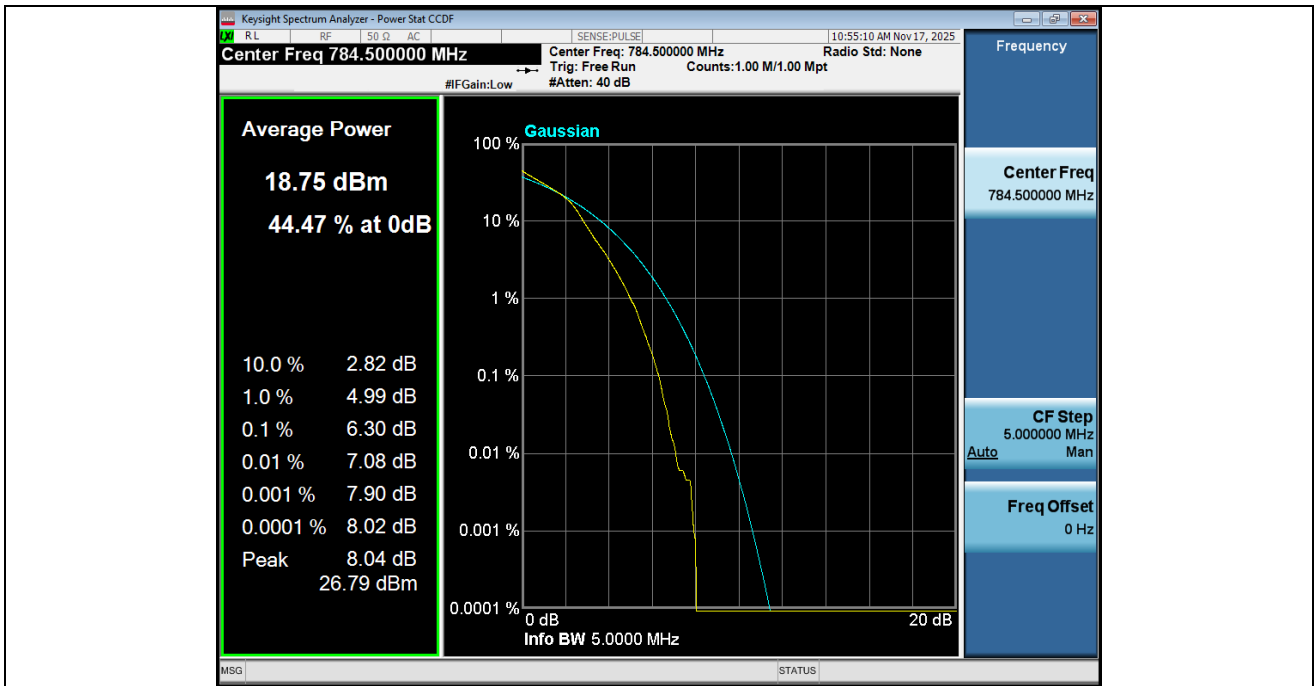
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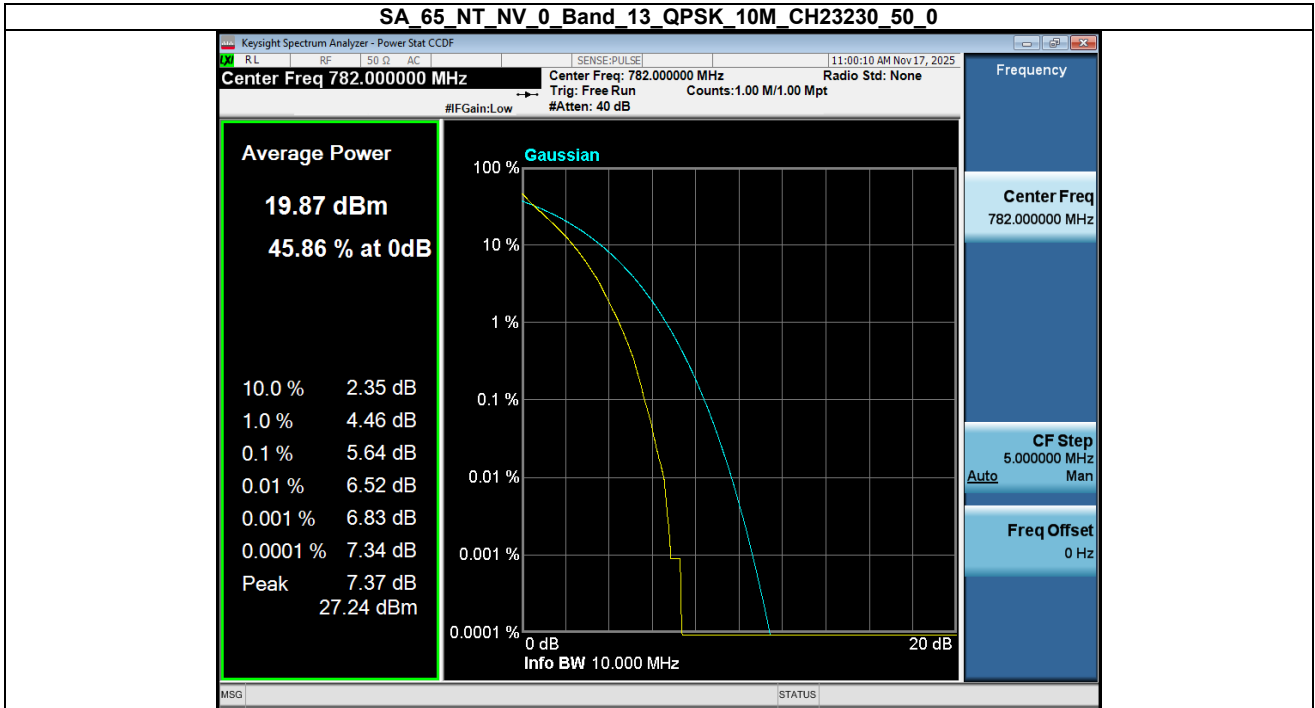
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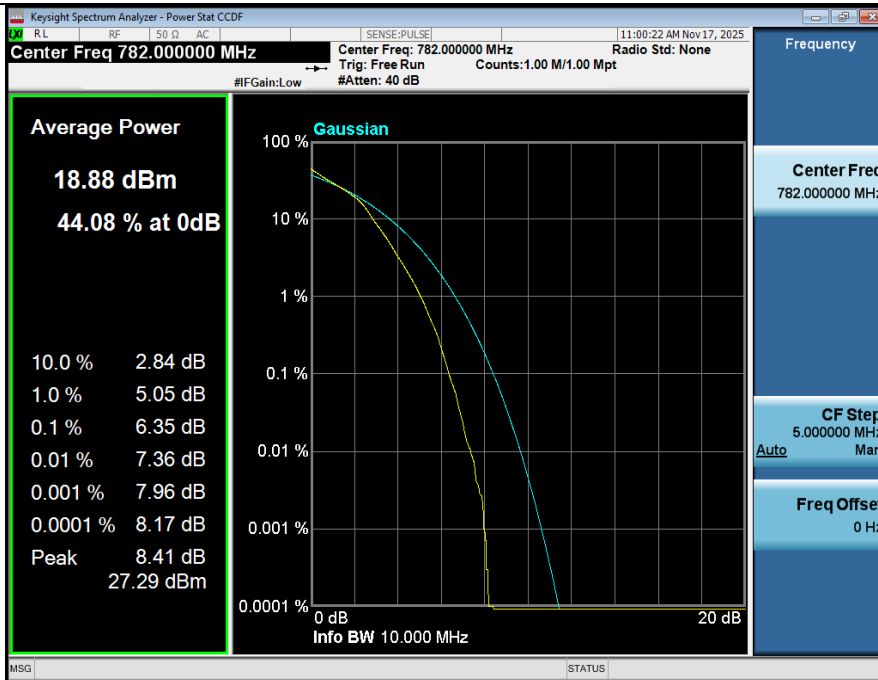
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SA_65_NT_NV_0_Band_13_QPSK_10M_CH23230_50_0

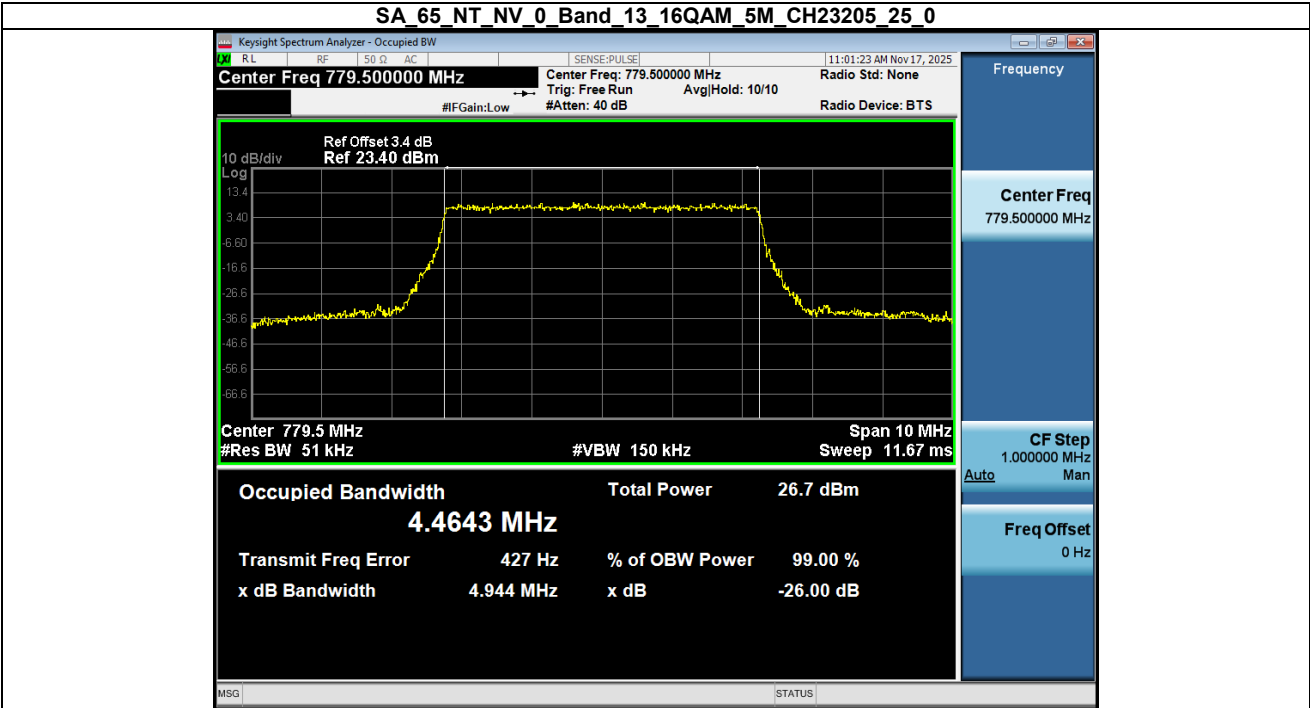
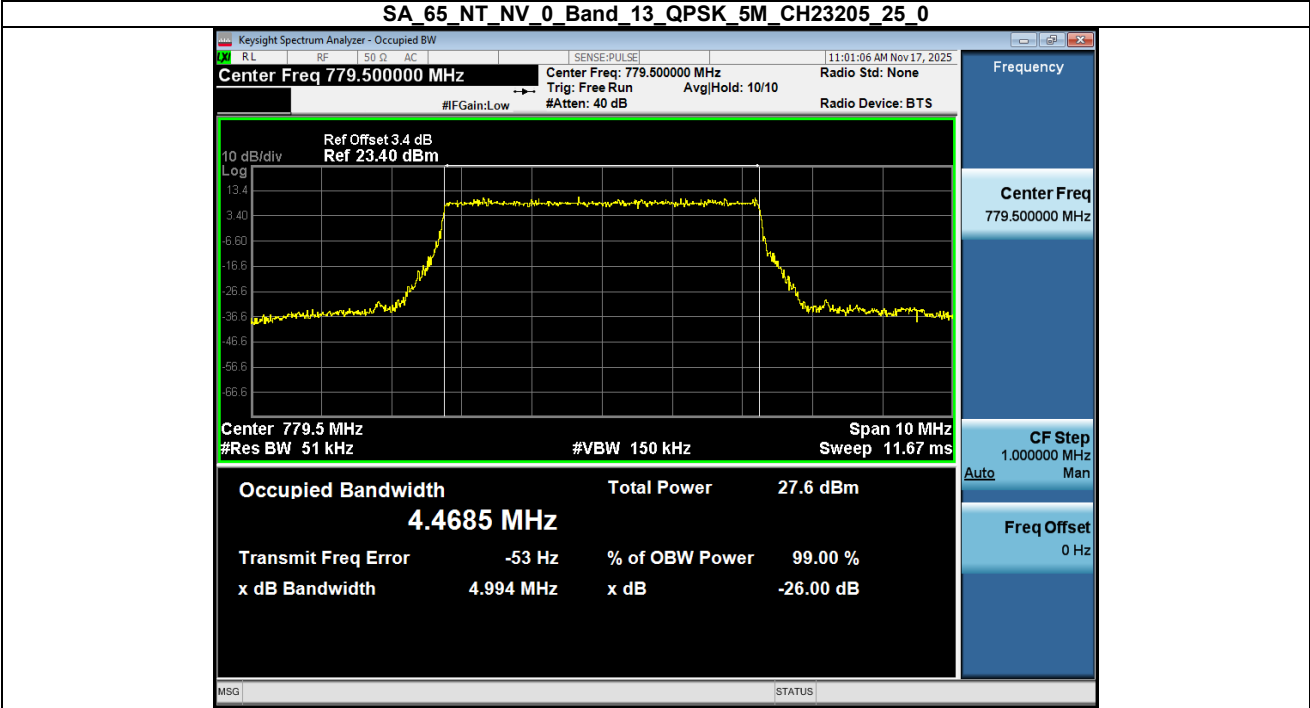


SA_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0

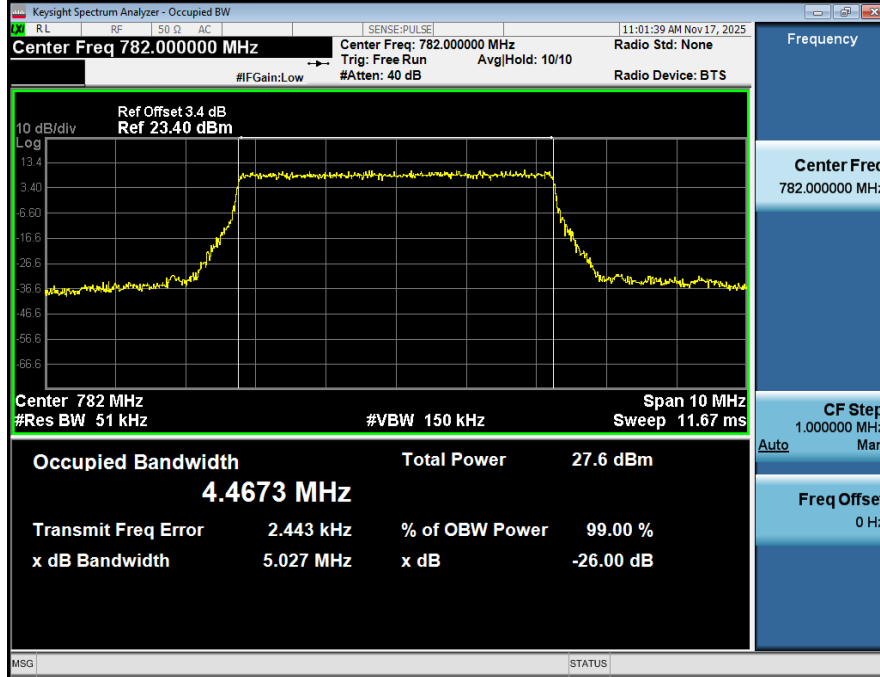


3. Occupied Bandwidth

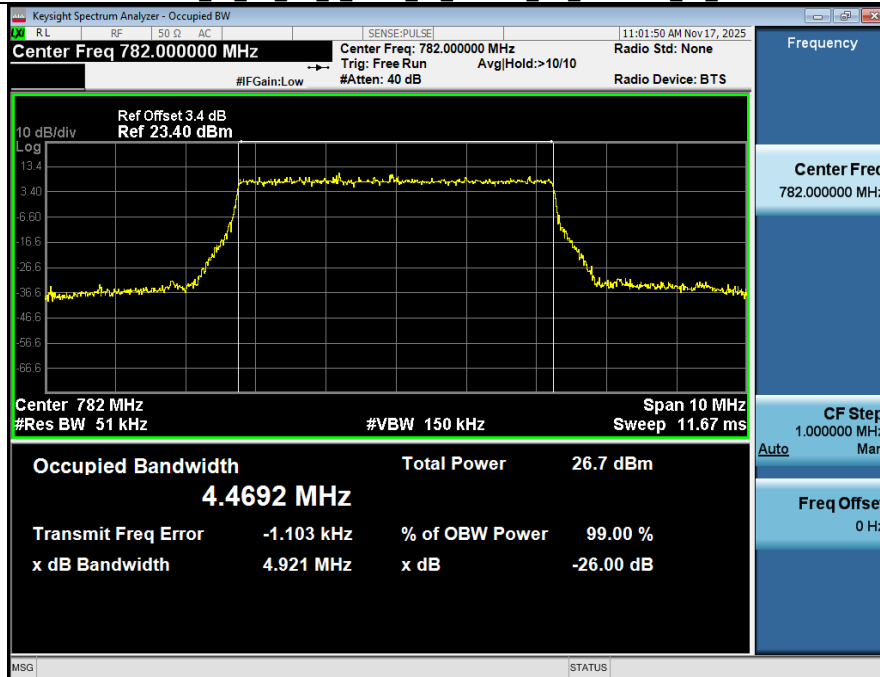
Condition	Band	Modulation	BW(MHz)	Frequency(MHz)	RB_Size	RB_start	OBW(MHz)	26EBW(MHz)
NV_NT	Band 13	QPSK	5M	779.5	25	0	4.4685	4.9941
NV_NT	Band 13	16QAM	5M	779.5	25	0	4.4643	4.9442
NV_NT	Band 13	QPSK	5M	782.0	25	0	4.4673	5.0270
NV_NT	Band 13	16QAM	5M	782.0	25	0	4.4692	4.9210
NV_NT	Band 13	QPSK	5M	784.5	25	0	4.4713	4.9963
NV_NT	Band 13	16QAM	5M	784.5	25	0	4.4677	4.9406
NV_NT	Band 13	QPSK	10M	782.0	50	0	8.9504	9.8721
NV_NT	Band 13	16QAM	10M	782.0	50	0	8.9465	9.8234



SA_65_NT_NV_0_Band_13_QPSK_5M_CH23230_25_0



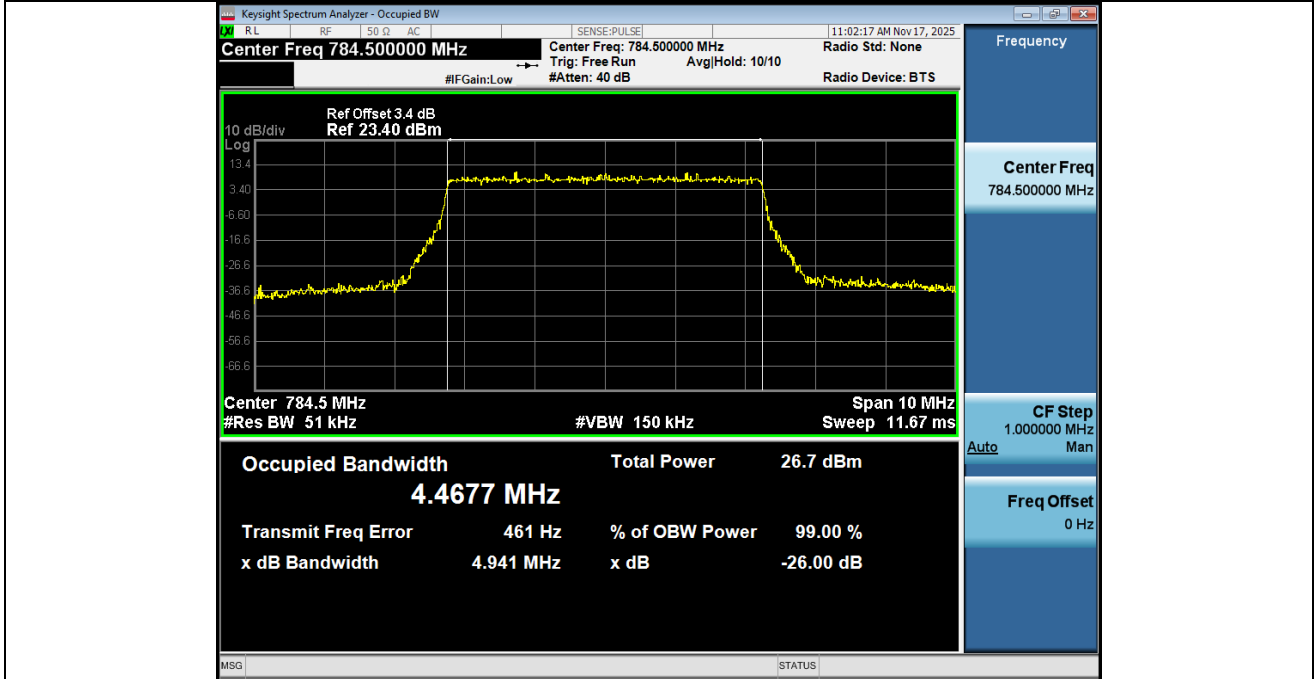
SA_65_NT_NV_0_Band_13_16QAM_5M_CH23230_25_0



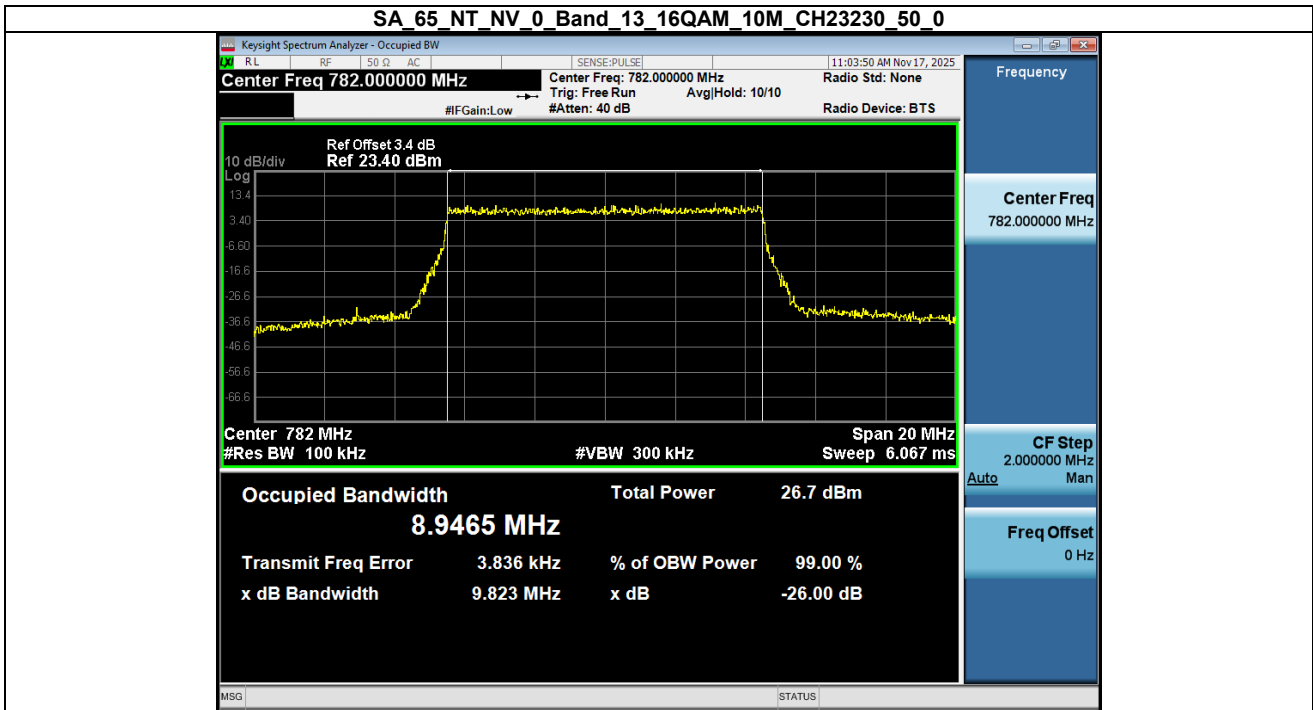
SA_65_NT_NV_0_Band_13_QPSK_5M_CH23255_25_0



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

Condi tion	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	774.957	-58.76	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	775.0~776.9	776.899	-13.12	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	776.9~777.0	776.993	-14.32	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	30	782.0~782.1	782.000	-47.97	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	782.1~793.0	782.491	-34.27	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	6.25	793.0~805.0	797.739	-73.49	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	763.0~775.0	774.198	-63.03	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	775.0~776.9	776.779	-45.14	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	776.9~777.0	776.997	-48.35	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	30	782.0~782.1	782.036	-46.33	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	100	782.1~793.0	782.258	-46.03	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	12	6.25	793.0~805.0	793.314	-72.81	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	763.0~775.0	774.011	-59.12	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	775.0~776.9	776.473	-34.58	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	776.9~777.0	776.930	-48.57	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	30	782.0~782.1	782.003	-13.91	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	100	782.1~793.0	782.125	-14.63	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	24	6.25	793.0~805.0	799.209	-74.01	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	763.0~775.0	774.850	-47.27	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	775.0~776.9	776.897	-24.48	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	776.9~777.0	776.997	-25.92	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	30	782.0~782.1	782.002	-25.47	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	100	782.1~793.0	782.125	-25.29	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	25	0	6.25	793.0~805.0	793.142	-55.26	-35	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1	0.009~0.150	0.011	-54.92	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	10	0.150~30.000	0.156	-55.65	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	30.000~763.000	470.924	-61.90	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	100	805.000~1000.000	938.308	-62.80	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1000.000~1559.000	1554.789	-50.15	-13	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1559.000~1610.000	1584.476	-55.86	-40	Pass
NV_NT	Band 13	QPSK	5M	779.5	1	0	1000	1610.000~10000.000	5810.873	-52.97	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	6.25	763.0~775.0	774.896	-59.49	-35	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	100	775.0~776.9	776.900	-13.22	-13	Pass
NV_NT	Band 13	16QAM	5M	779.5	1	0	30	776.9~777.0	776.91	-13.63	-13	Pass

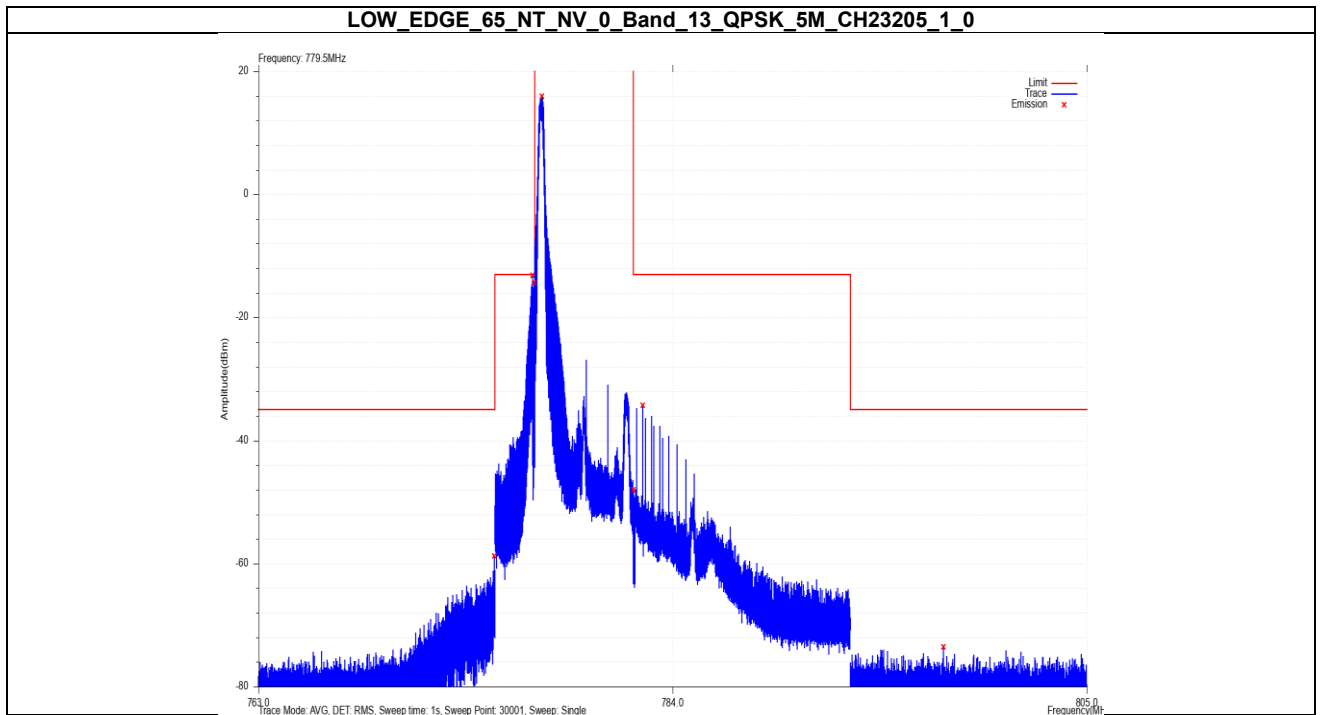
	d 13								1			
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	30	782.0~782.1	782.04 5	-47.23	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	782.1~793.0	782.66 5	-36.64	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	6.25	793.0~805.0	793.00 6	-73.63	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	6.25	763.0~775.0	774.81 4	-61.20	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	100	775.0~776.9	776.88 2	-44.27	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	30	776.9~777.0	776.95 6	-46.58	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	30	782.0~782.1	782.01 0	-45.60	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	100	782.1~793.0	782.10 1	-43.82	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	12	6.25	793.0~805.0	794.05 2	-73.27	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	6.25	763.0~775.0	773.98 6	-57.13	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	100	775.0~776.9	776.89 6	-46.35	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	30	776.9~777.0	776.92 7	-37.82	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	30	782.0~782.1	782.00 2	-13.65	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	100	782.1~793.0	782.11 8	-13.64	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	24	6.25	793.0~805.0	794.26 5	-73.44	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	6.25	763.0~775.0	774.80 8	-48.33	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	100	775.0~776.9	776.89 7	-25.42	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	30	776.9~777.0	776.99 8	-26.35	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	30	782.0~782.1	782.00 5	-26.28	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	100	782.1~793.0	782.10 1	-25.96	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	25	0	6.25	793.0~805.0	793.47 6	-67.81	-35	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1	0.009~0.150	0.011	-54.99	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	10	0.150~30.000	0.154	-58.20	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	30.000~763.000	751.49 2	-62.16	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	100	805.000~1000.0 00	916.78 0	-62.66	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1000.000~1559. 000	1554.7 89	-47.66	-13	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1559.000~1610. 000	1591.3 82	-56.00	-40	Pass
NV_NT	Ban d 13	16QAM	5M	779.5	1	0	1000	1610.000~10000 .000	2424.9 49	-50.30	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1	0.009~0.150	0.009	-55.98	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	10	0.150~30.000	0.156	-58.67	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	100	30.000~763.000	757.28 3	-62.30	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	100	805.000~1000.0 00	941.63 0	-62.71	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1000.000~1559. 000	1357.5 92	-55.83	-13	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1559.000~1610. 000	1562.7 98	-54.44	-40	Pass
NV_NT	Ban d 13	QPSK	5M	782.0	25	0	1000	1610.000~10000 .000	3508.9 37	-48.01	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1	0.009~0.150	0.009	-53.39	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	10	0.150~30.000	0.151	-55.85	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	100	30.000~763.000	750.09 9	-62.34	-13	Pass

NV_NT	Ban d 13	16QAM	5M	782.0	25	0	100	805.000~1000.0 00	951.52 3	-62.71	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1000.000~1559. 000	1479.3 42	-55.84	-13	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1559.000~1610. 000	1563.9 11	-55.01	-40	Pass
NV_NT	Ban d 13	16QAM	5M	782.0	25	0	1000	1610.000~10000 .000	2425.5 08	-45.06	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	6.25	763.0~775.0	773.89 5	-71.47	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	100	775.0~781.9	781.88 1	-13.32	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	30	781.9~782.0	782.00 0	-13.58	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	30	787.0~787.1	787.00 3	-47.38	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	100	787.1~793.0	787.13 8	-47.36	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	0	6.25	793.0~805.0	793.55 1	-71.99	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	6.25	763.0~775.0	774.93 9	-56.09	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	100	775.0~781.9	781.13 2	-35.41	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	30	781.9~782.0	781.94 9	-39.76	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	12	30	787.0~787.1	787.02 2	-39.58	-13	Pass
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NV_NT	Ban d 13	QPSK	5M	784.5	1	12	6.25	793.0~805.0	793.91 4	-56.09	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	6.25	763.0~775.0	774.71 6	-73.18	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	775.0~781.9	781.88 7	-47.86	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	30	781.9~782.0	781.93 0	-47.70	-13	Pass
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NV_NT	Ban d 13	QPSK	5M	784.5	1	24	6.25	793.0~805.0	793.03 1	-71.12	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	6.25	763.0~775.0	774.85 9	-57.60	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	100	775.0~781.9	781.87 3	-24.46	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	30	781.9~782.0	781.99 9	-25.29	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	30	787.0~787.1	787.01 5	-25.67	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	100	787.1~793.0	787.10 3	-23.70	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	25	0	6.25	793.0~805.0	794.09 0	-58.70	-35	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1	0.009~0.150	0.012	-56.01	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	10	0.150~30.000	0.165	-56.87	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	30.000~763.000	761.04 5	-62.17	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	100	805.000~1000.0 00	908.31 7	-62.24	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1000.000~1559. 000	1547.1 49	-55.94	-13	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1559.000~1610. 000	1573.1 76	-48.53	-40	Pass
NV_NT	Ban d 13	QPSK	5M	784.5	1	24	1000	1610.000~10000 .000	5316.7 02	-41.96	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	6.25	763.0~775.0	773.70 0	-70.50	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	100	775.0~781.9	781.89 9	-13.77	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	0	30	781.9~782.0	781.98 4	-13.35	-13	Pass
NV_NT	Ban	16QAM	5M	784.5	1	0	30	787.0~787.1	787.05	-41.50	-13	Pass

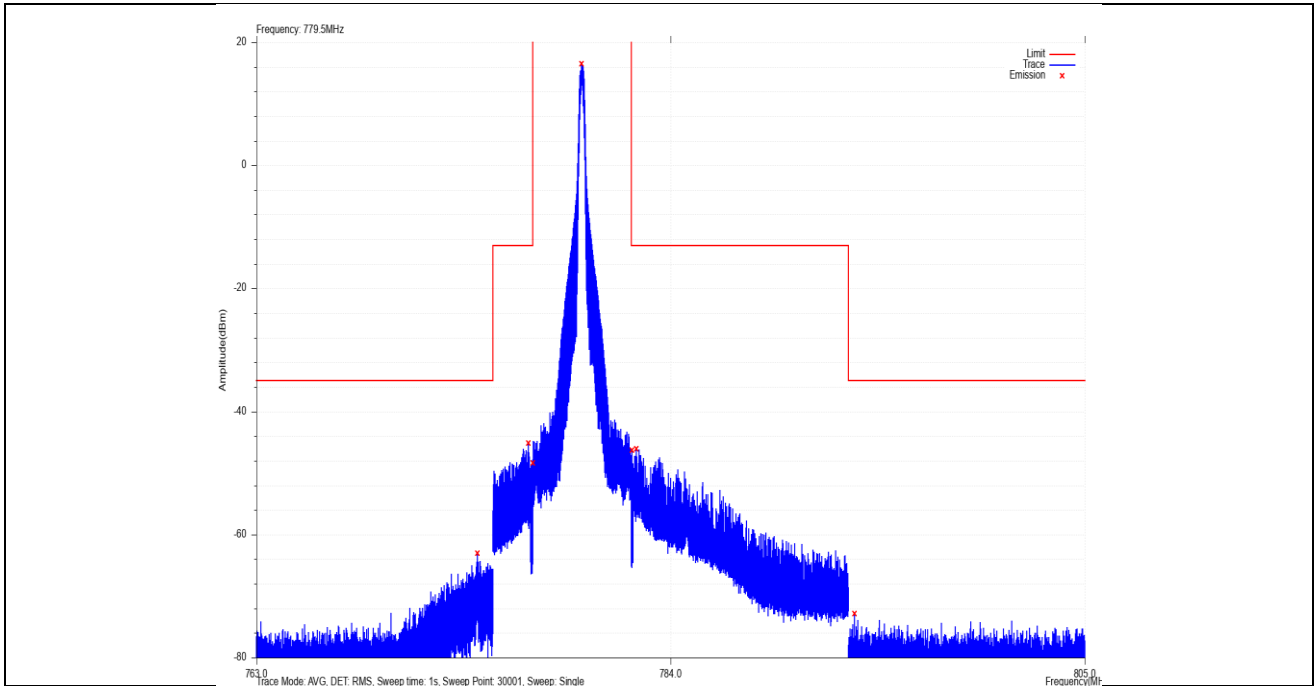
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NV_NT	Ban d 13	16QAM	5M	784.5	1	0	6.25	793.0~805.0	793.38 5	-72.03	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	6.25	763.0~775.0	773.38 7	-57.16	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	100	775.0~781.9	777.09 2	-36.54	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	30	781.9~782.0	781.94 8	-41.52	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	30	787.0~787.1	787.08 5	-40.24	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	100	787.1~793.0	788.89 5	-35.55	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	12	6.25	793.0~805.0	793.10 4	-57.07	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	6.25	763.0~775.0	771.49 2	-72.04	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	775.0~781.9	781.89 6	-47.23	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	30	781.9~782.0	781.99 3	-48.19	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	30	787.0~787.1	787.00 1	-13.53	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	787.1~793.0	787.12 2	-13.14	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	6.25	793.0~805.0	793.02 2	-70.66	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	6.25	763.0~775.0	773.92 2	-60.04	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	100	775.0~781.9	781.88 3	-25.43	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	30	781.9~782.0	781.99 7	-25.83	-13	Pass
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NV_NT	Ban d 13	16QAM	5M	784.5	25	0	100	787.1~793.0	787.10 8	-24.30	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	25	0	6.25	793.0~805.0	793.25 4	-59.88	-35	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1	0.009~0.150	0.011	-55.29	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	10	0.150~30.000	0.151	-57.71	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	30.000~763.000	645.28 0	-62.16	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	100	805.000~1000.0 00	945.95 9	-62.30	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1000.000~1559. 000	1544.3 54	-56.00	-13	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1559.000~1610. 000	1573.4 33	-47.54	-40	Pass
NV_NT	Ban d 13	16QAM	5M	784.5	1	24	1000	1610.000~10000 .000	2360.3 46	-52.24	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	6.25	763.0~775.0	774.71 0	-60.67	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	100	775.0~776.9	776.88 7	-16.45	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	30	776.9~777.0	776.90 8	-19.08	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	30	787.0~787.1	787.09 2	-44.40	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	100	787.1~793.0	790.38 0	-45.26	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	0	6.25	793.0~805.0	793.02 2	-57.19	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	6.25	763.0~775.0	773.73 2	-63.99	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	100	775.0~776.9	776.72 3	-51.24	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	30	776.9~777.0	776.97 4	-51.96	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	25	30	787.0~787.1	787.07 0	-52.25	-13	Pass
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NV_NT	Ban d 13	QPSK	10M	782.0	1	25	6.25	793.0~805.0	793.30 9	-67.09	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	6.25	763.0~775.0	771.05 2	-60.17	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	100	775.0~776.9	776.82 4	-48.83	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	30	776.9~777.0	776.96 4	-47.32	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	30	787.0~787.1	787.00 7	-19.81	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	100	787.1~793.0	787.11 3	-17.49	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	1	49	6.25	793.0~805.0	793.95 6	-65.73	-35	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	6.25	763.0~775.0	774.44 0	-50.22	-35	Pass
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NV_NT	Ban d 13	QPSK	10M	782.0	50	0	30	787.0~787.1	787.07 9	-27.41	-13	Pass
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NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	30.000~763.000	396.69 5	-62.22	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	100	805.000~1000.0 00	903.18 3	-62.66	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1000	1000.000~1559. 000	1477.6 84	-56.04	-13	Pass
NV_NT	Ban d 13	QPSK	10M	782.0	50	0	1000	1559.000~1610. 000	1563.2 89	-55.14	-40	Pass
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NV_NT	Ban d 13	16QAM	10M	782.0	1	0	6.25	763.0~775.0	774.87 3	-51.57	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	100	775.0~776.9	776.89 4	-16.84	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	30	776.9~777.0	776.99 9	-19.48	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	30	787.0~787.1	787.03 3	-43.13	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	100	787.1~793.0	787.12 0	-49.02	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	0	6.25	793.0~805.0	793.03 6	-58.66	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	6.25	763.0~775.0	774.90 5	-62.94	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	100	775.0~776.9	776.18 6	-49.16	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	30	776.9~777.0	776.94 9	-51.93	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	30	787.0~787.1	787.07 5	-51.88	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	100	787.1~793.0	787.41 9	-49.53	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	25	6.25	793.0~805.0	794.08 1	-67.05	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	6.25	763.0~775.0	771.02 4	-61.87	-35	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	100	775.0~776.9	776.21 5	-41.57	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	30	776.9~777.0	776.93 4	-51.03	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	30	787.0~787.1	787.00 4	-19.35	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	100	787.1~793.0	787.12 8	-17.58	-13	Pass
NV_NT	Ban d 13	16QAM	10M	782.0	1	49	6.25	793.0~805.0	795.15 7	-65.69	-35	Pass
NV_NT	Ban	16QAM	10M	782.0	50	0	6.25	763.0~775.0	774.78	-50.18	-35	Pass

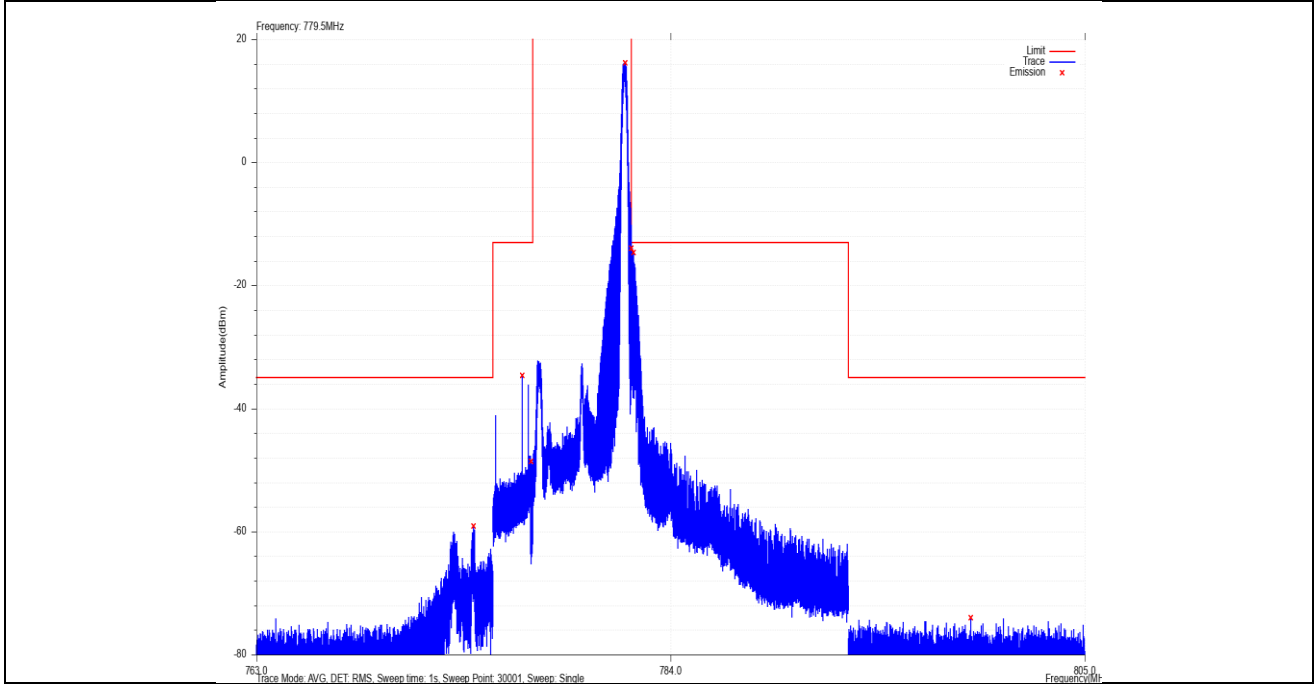
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NV_NT	Band 13	16QAM	10M	782.0	50	0	100	787.1~793.0	787.108	-30.68	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	6.25	793.0~805.0	793.178	-52.94	-35	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1	0.009~0.150	0.009	-54.38	-13	Pass
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NV_NT	Band 13	16QAM	10M	782.0	50	0	100	805.000~1000.000	934.707	-61.41	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1000.000~1559.000	1558.832	-56.03	-13	Pass
NV_NT	Band 13	16QAM	10M	782.0	50	0	1000	1559.000~1610.000	1560.081	-55.50	-40	Pass
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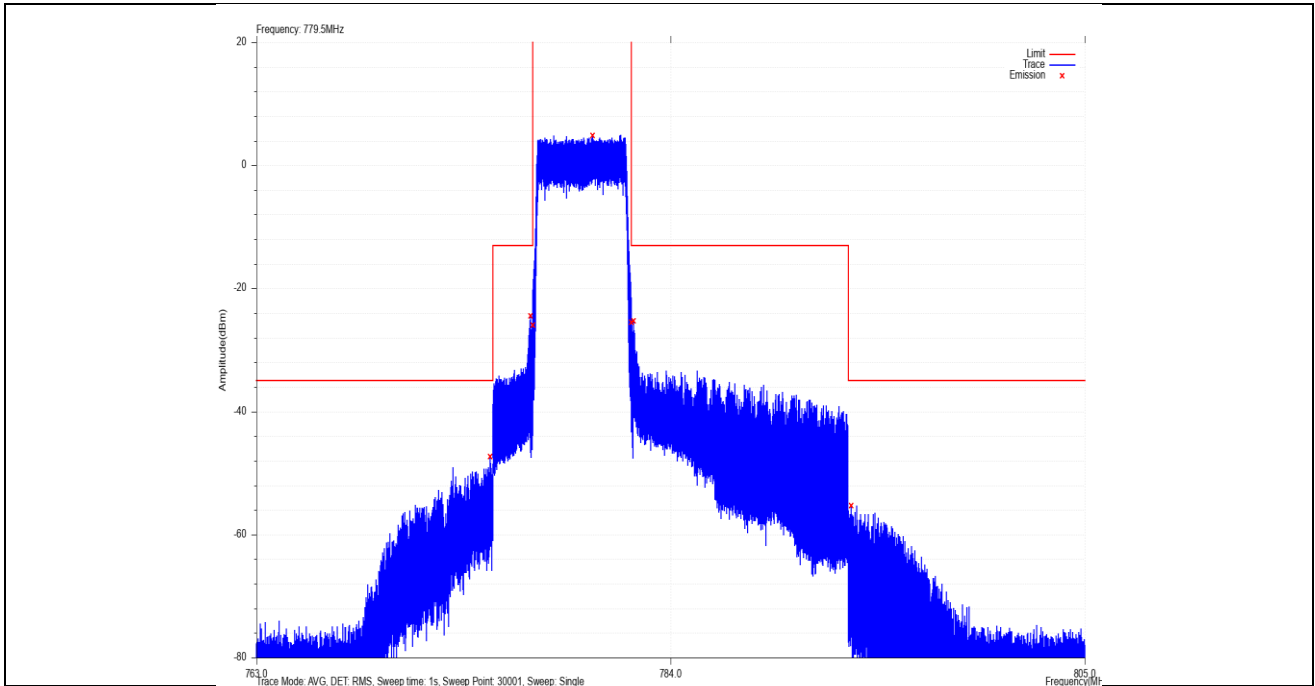
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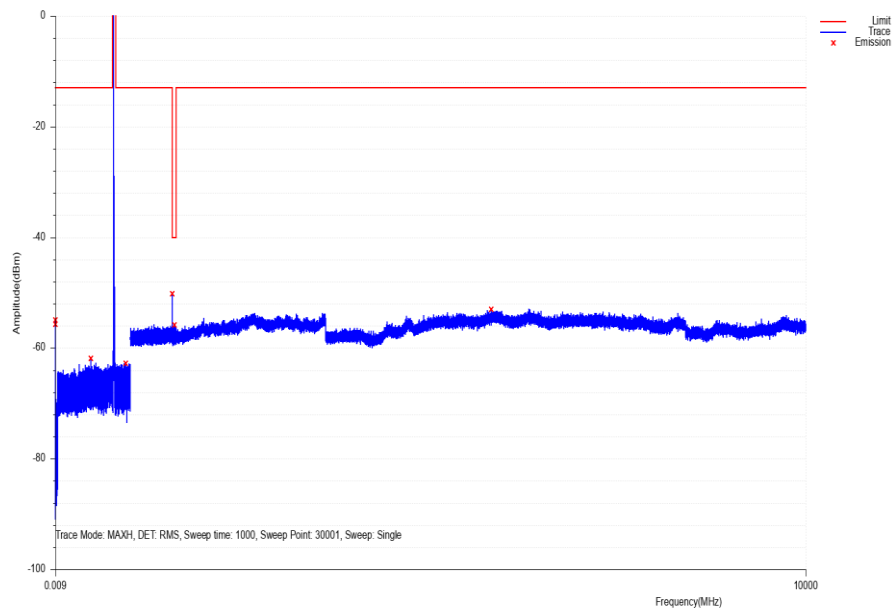


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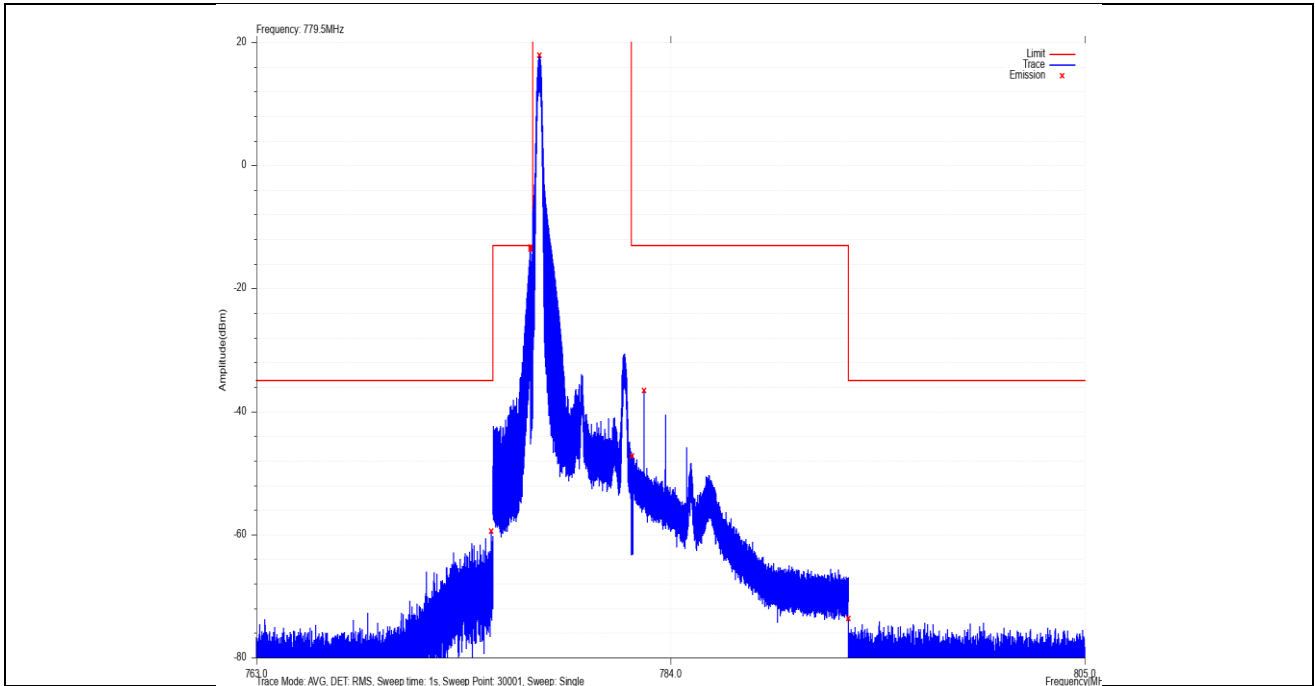


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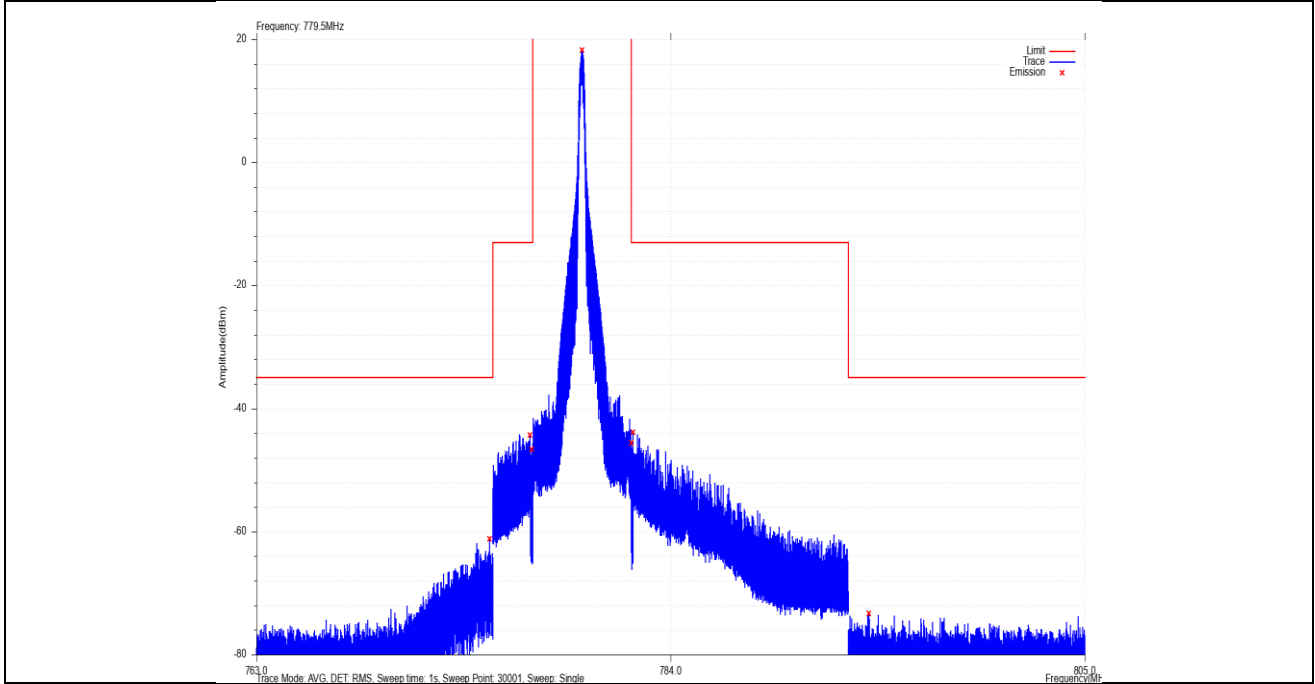
Unwanted spurious emissions



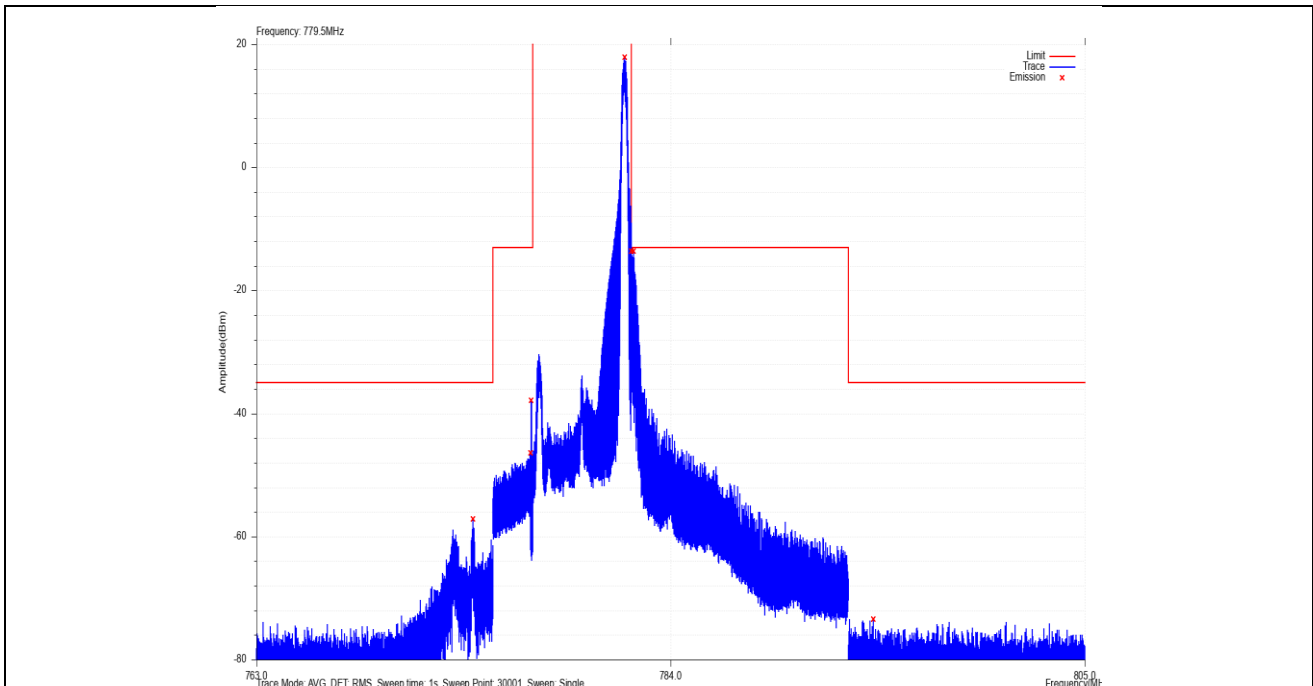
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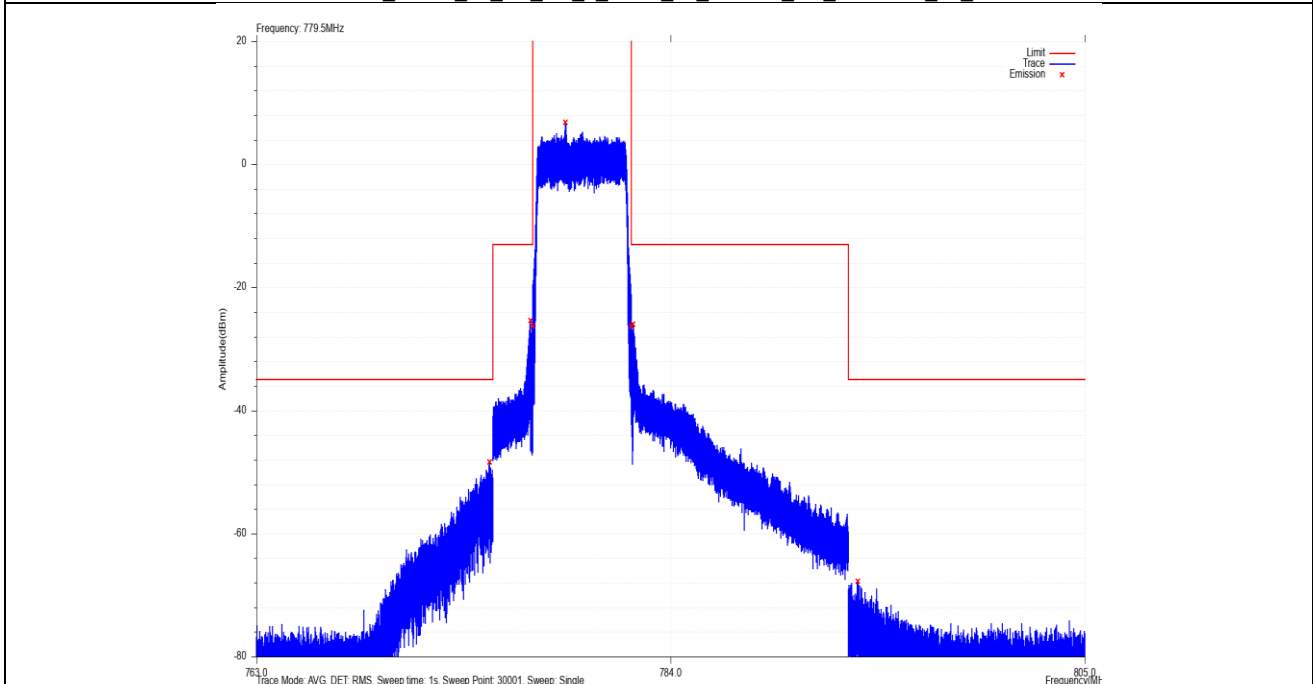
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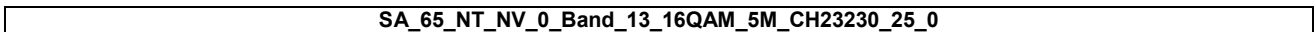
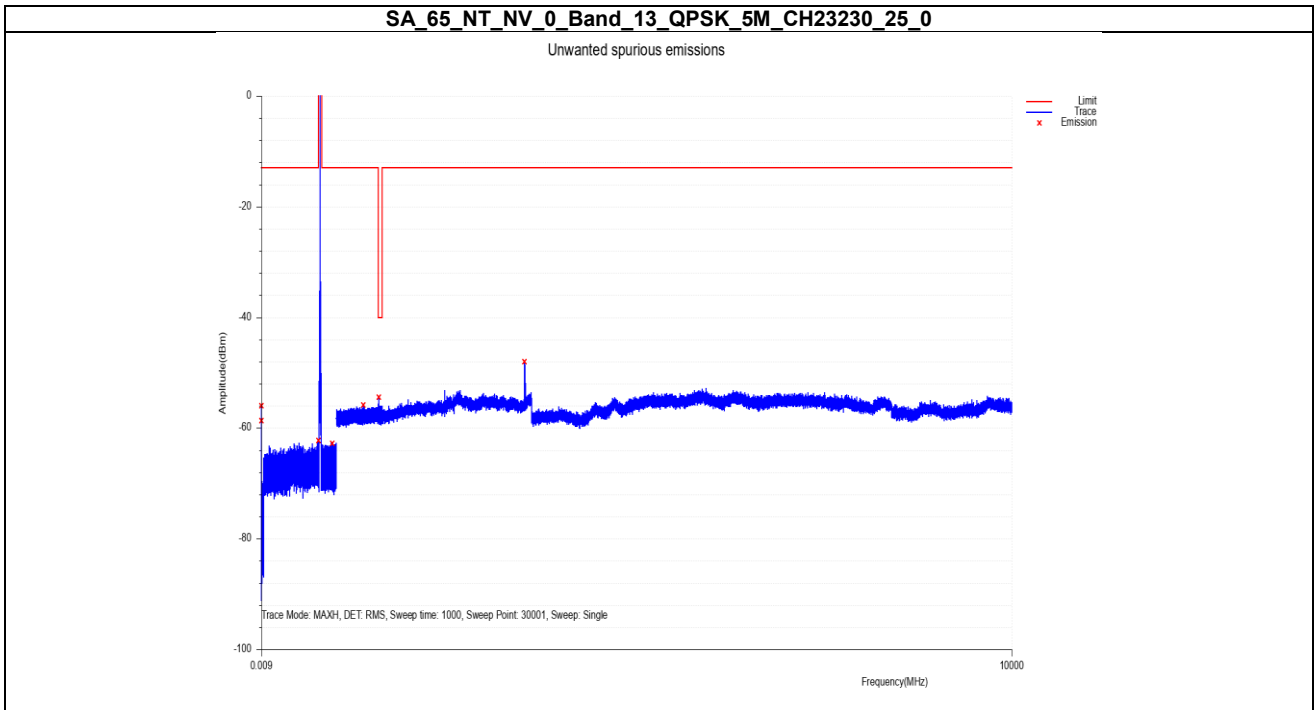
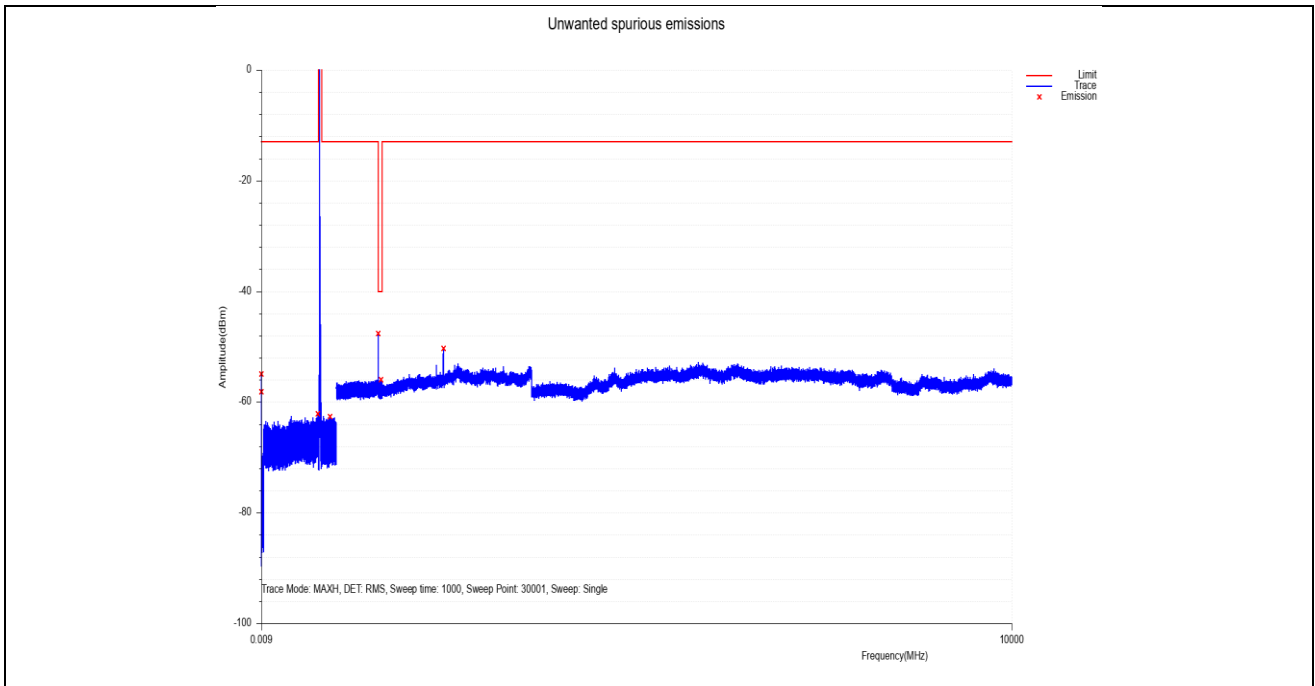
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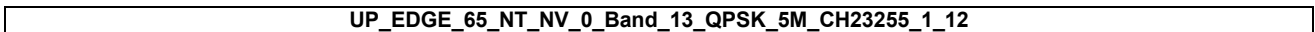
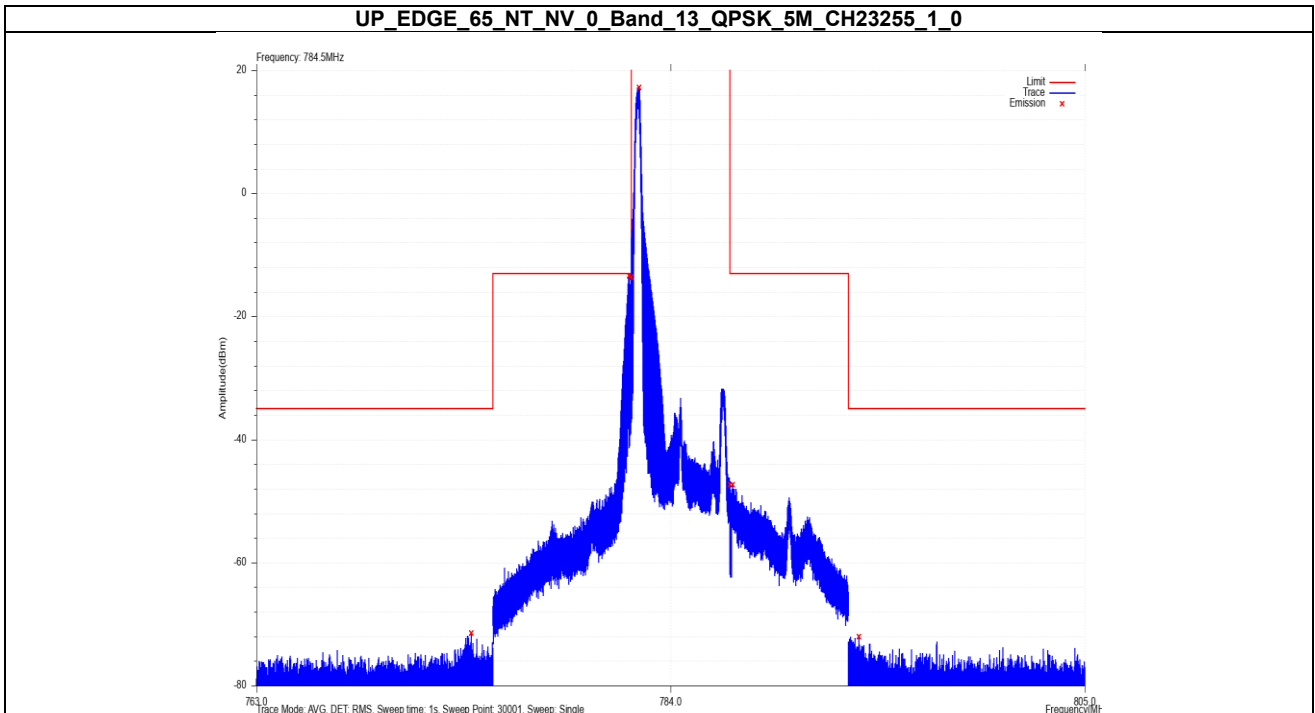
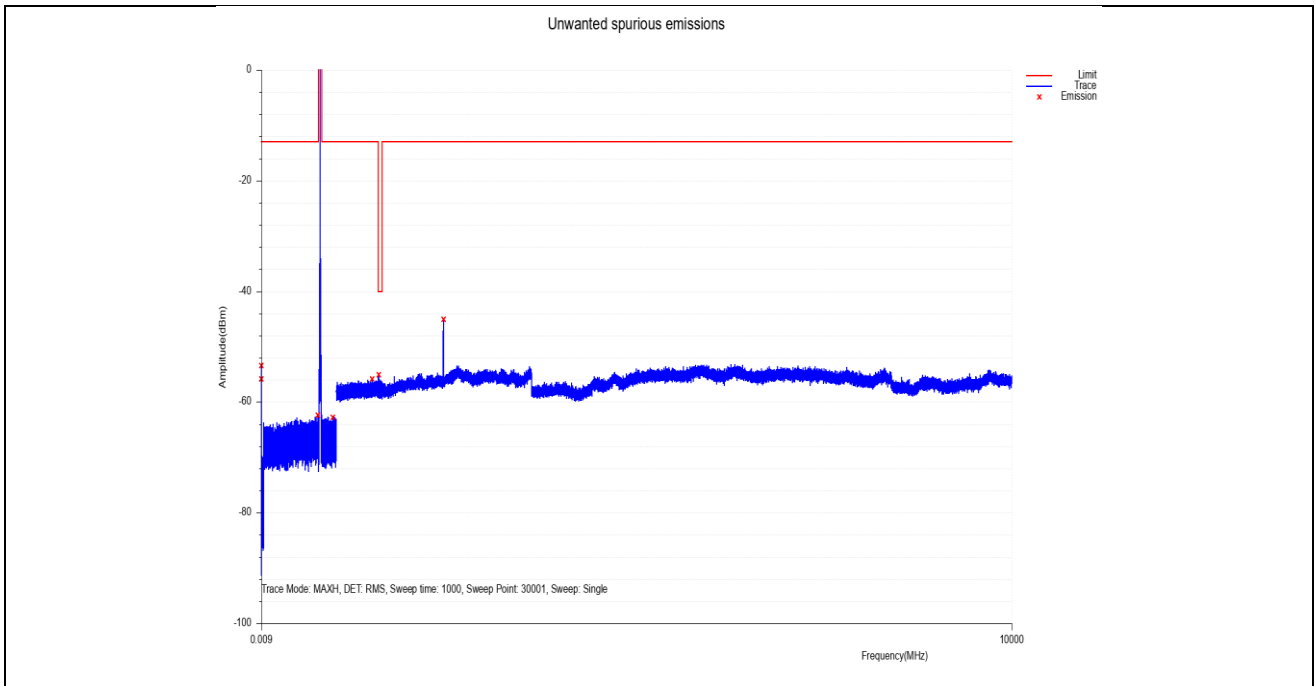


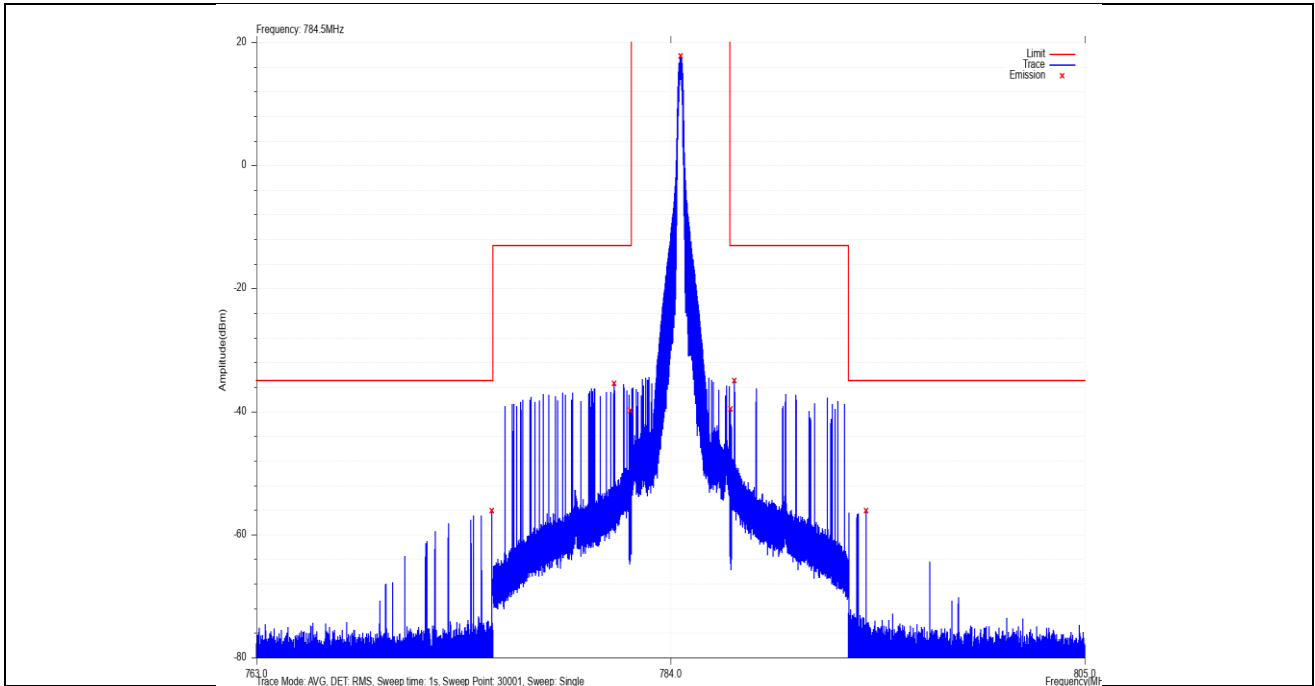
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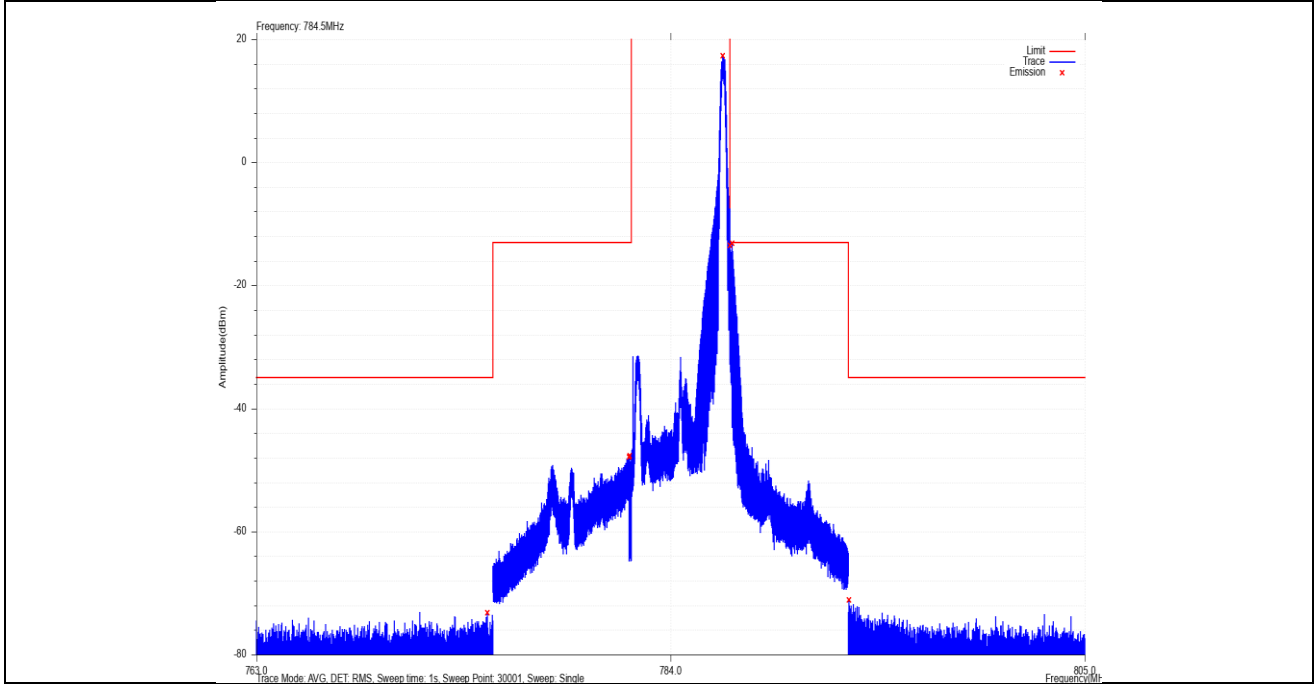
SA_65_NT_NV_0_Band_13_16QAM_5M_CH23205_1_0



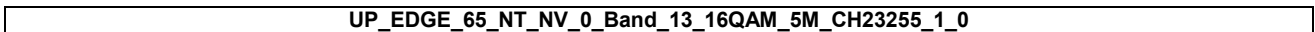
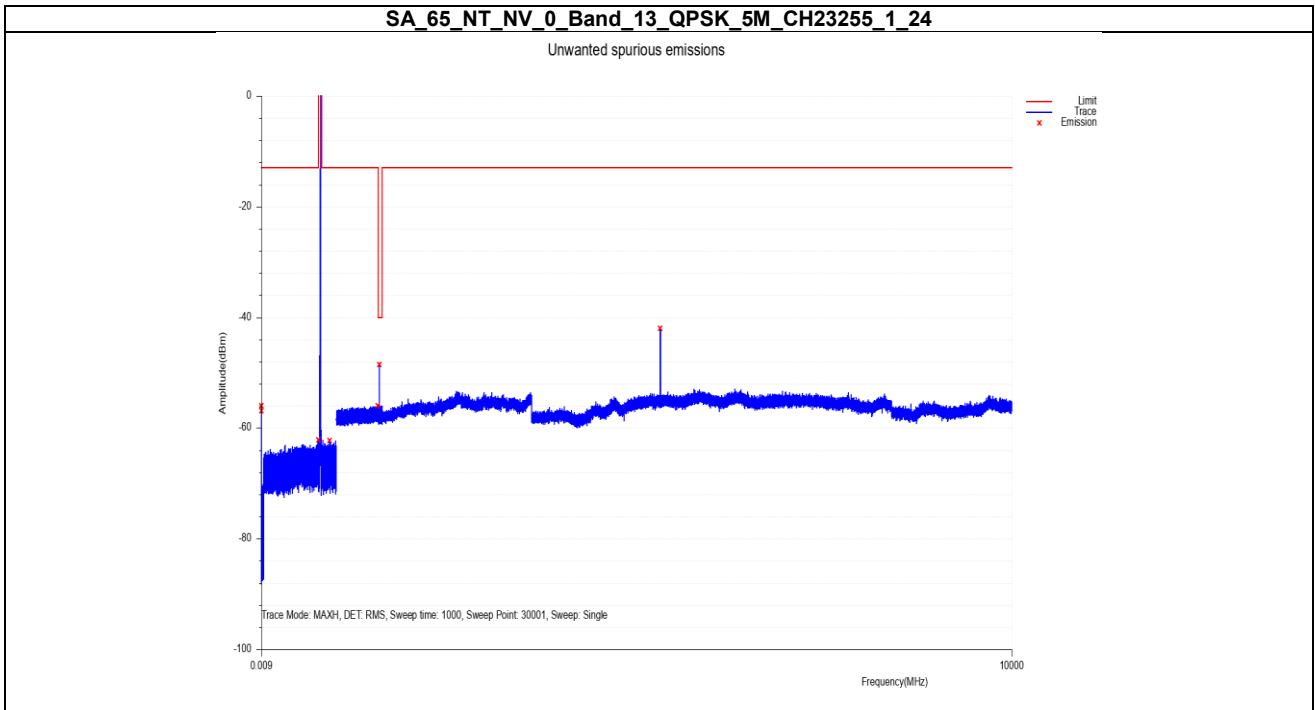
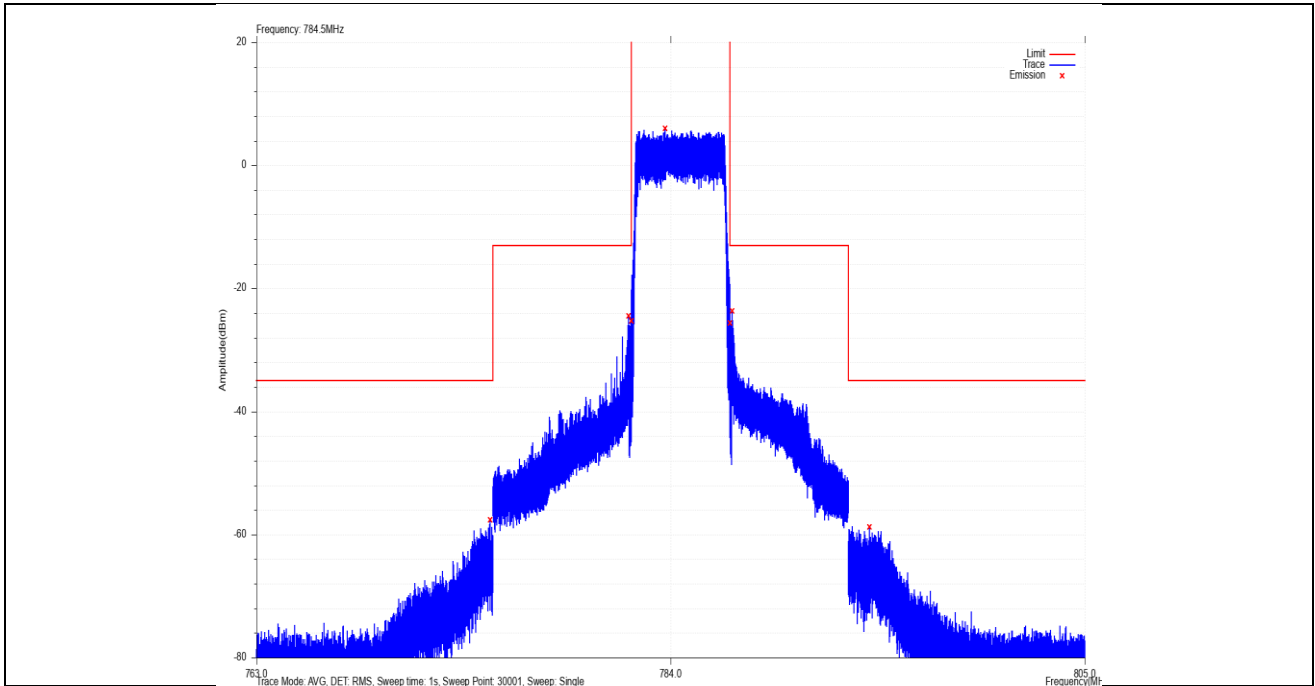


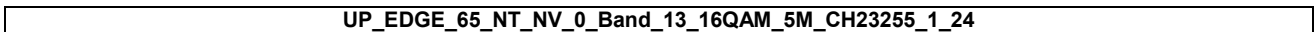
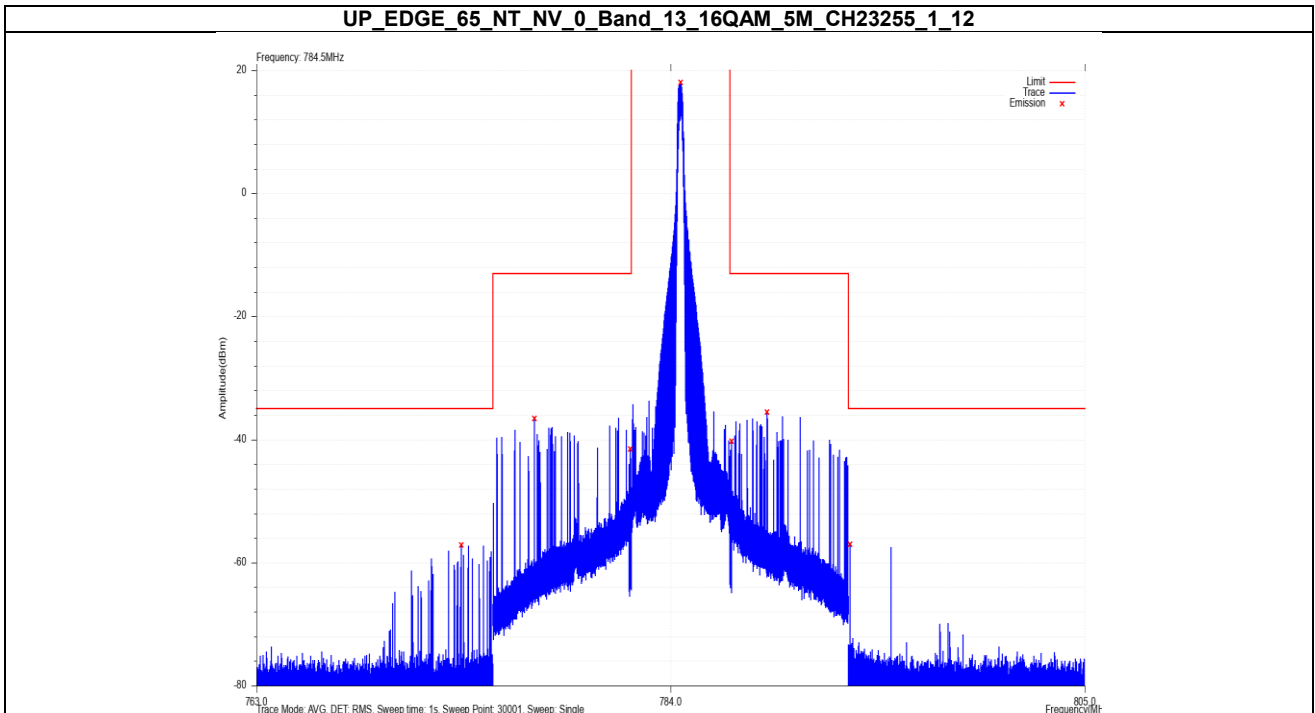
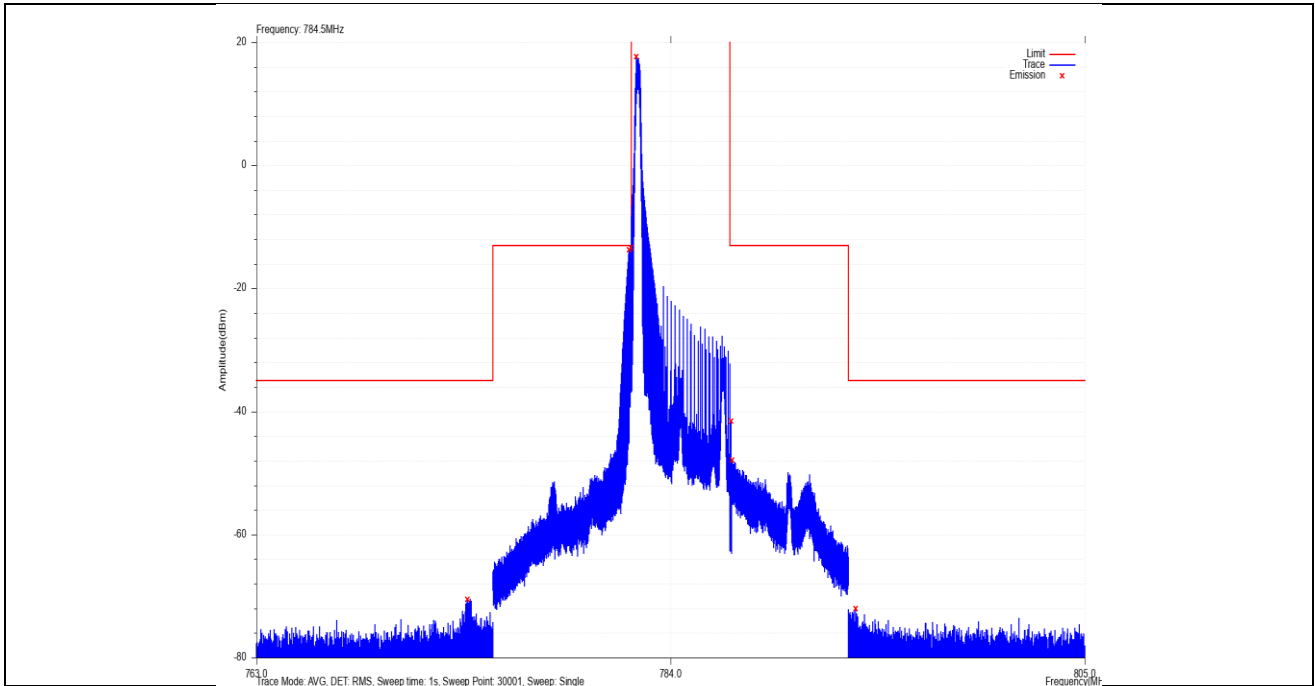


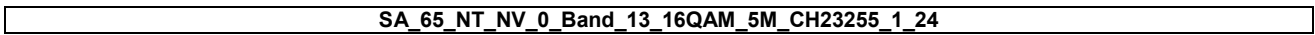
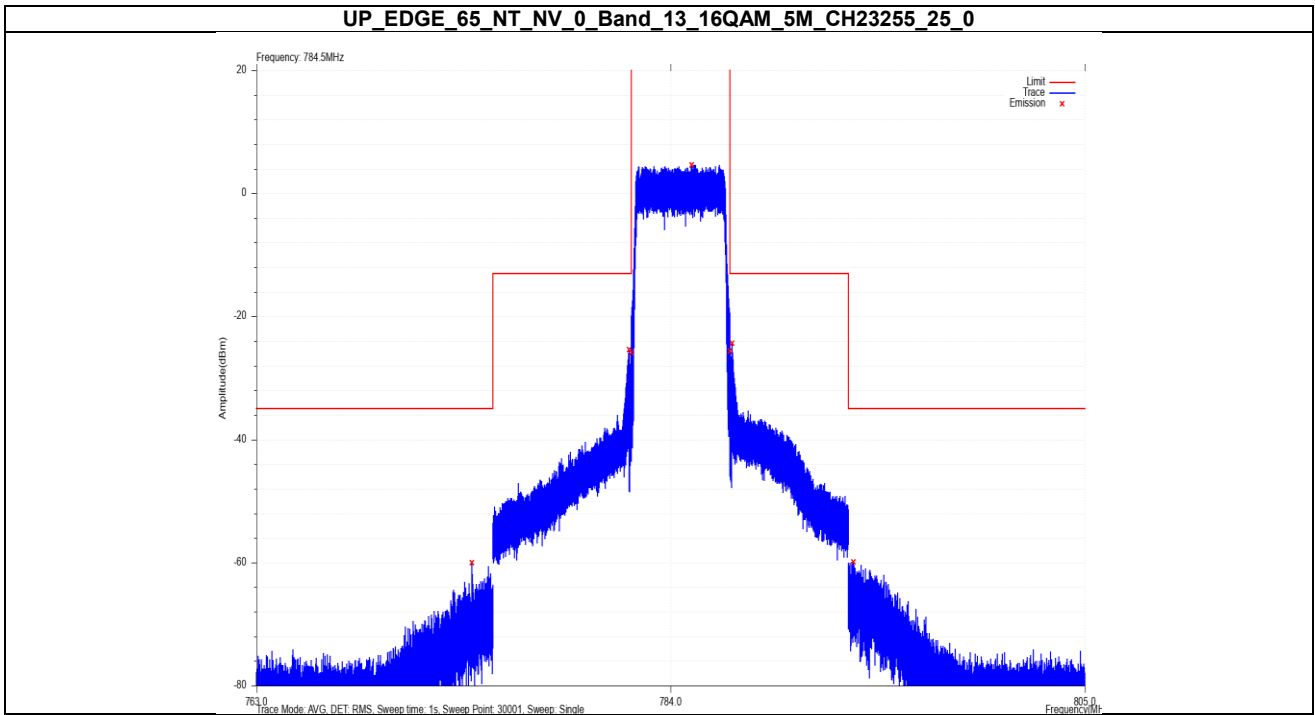
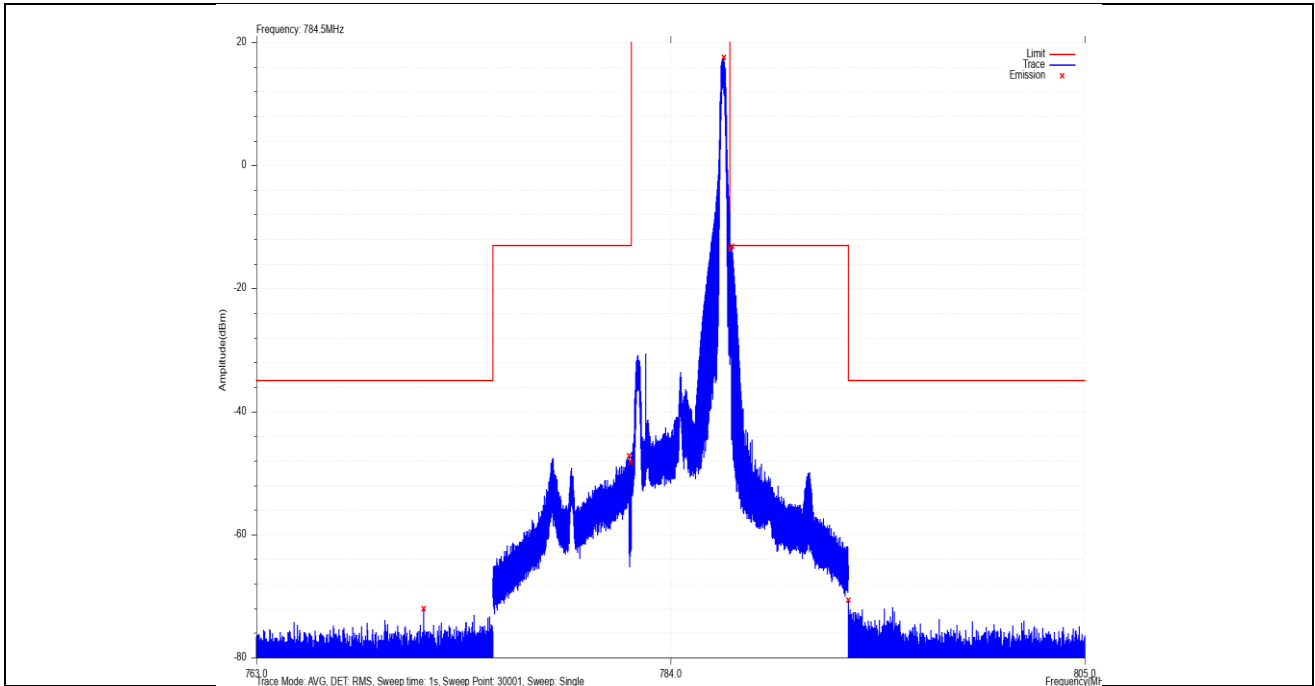
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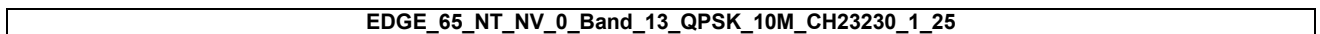
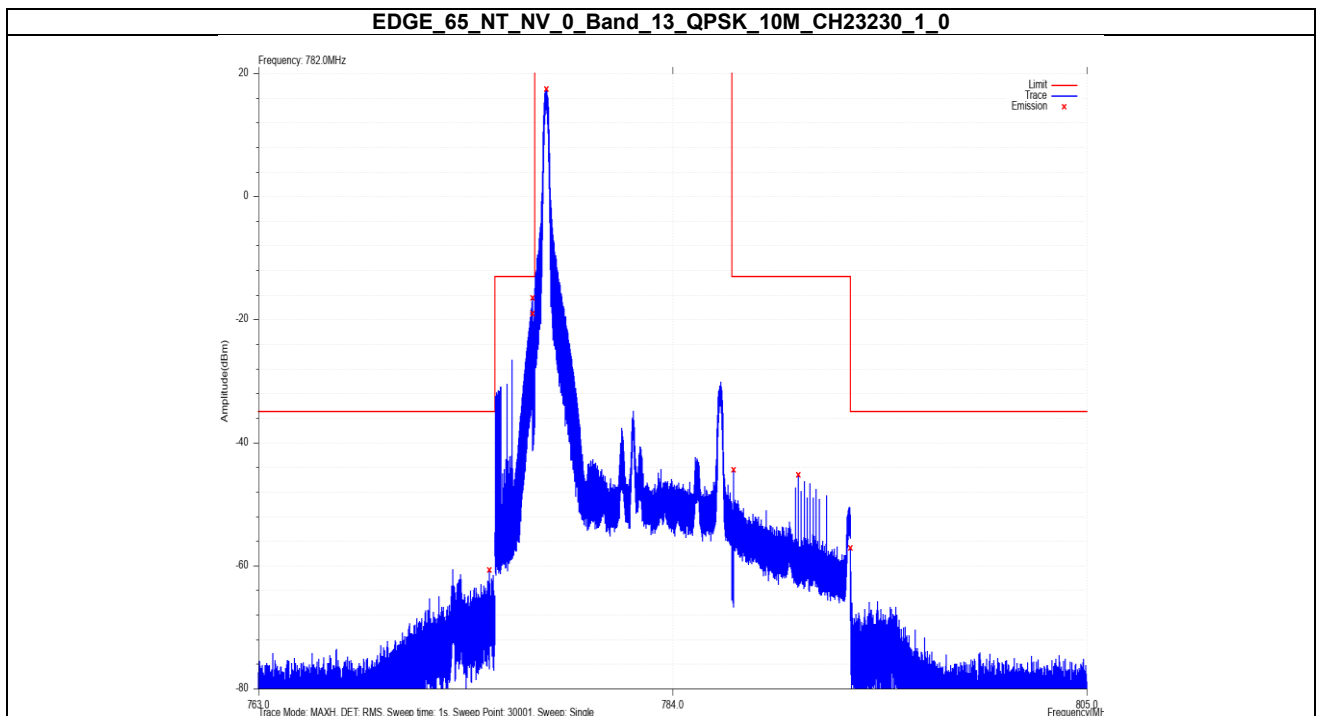
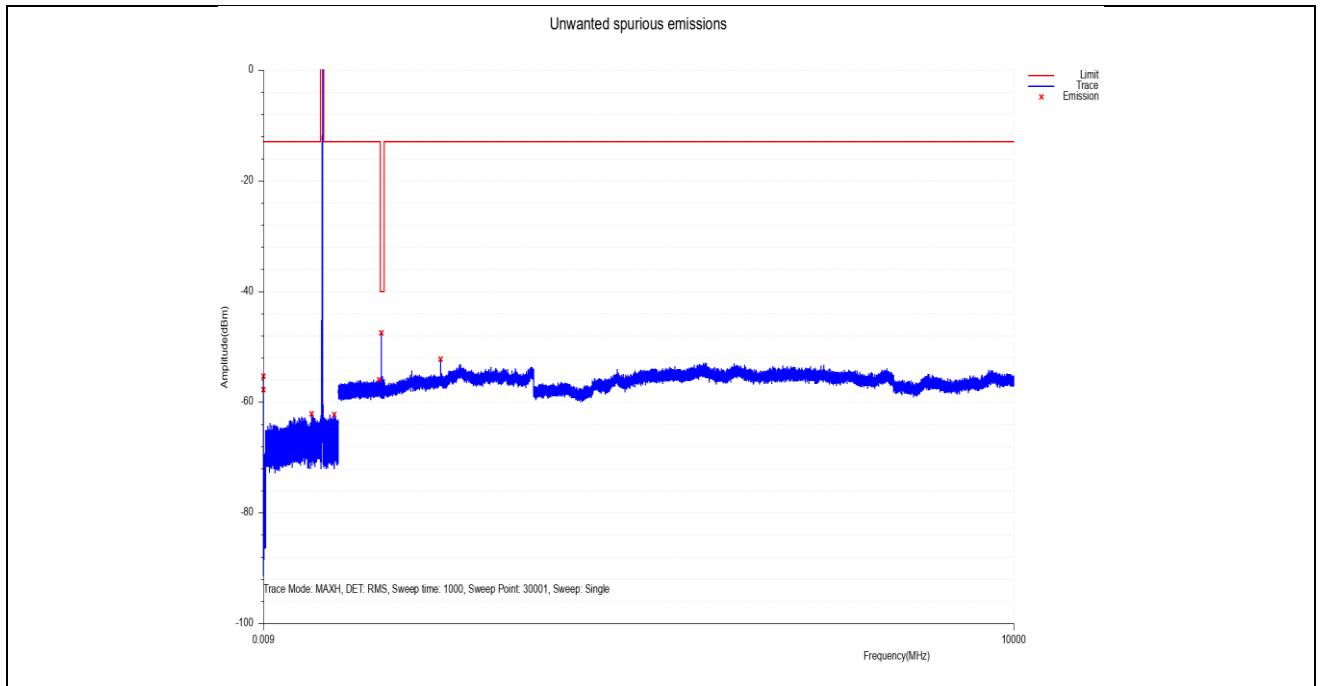


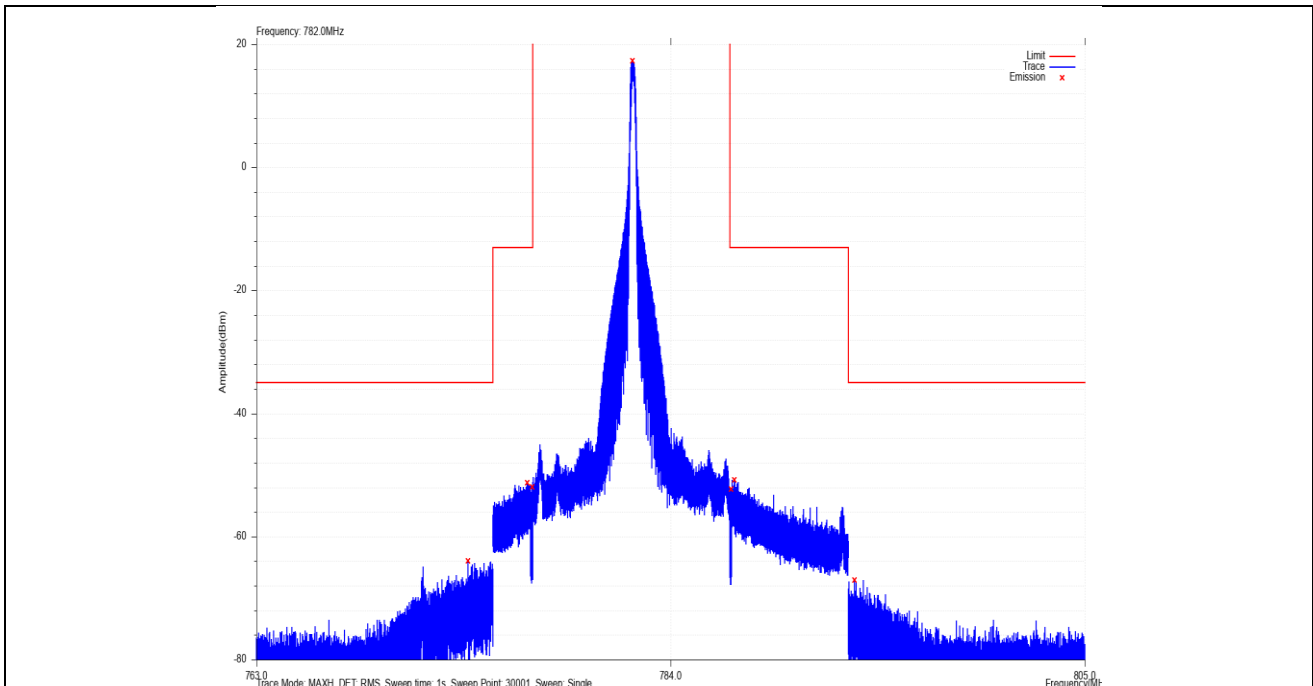
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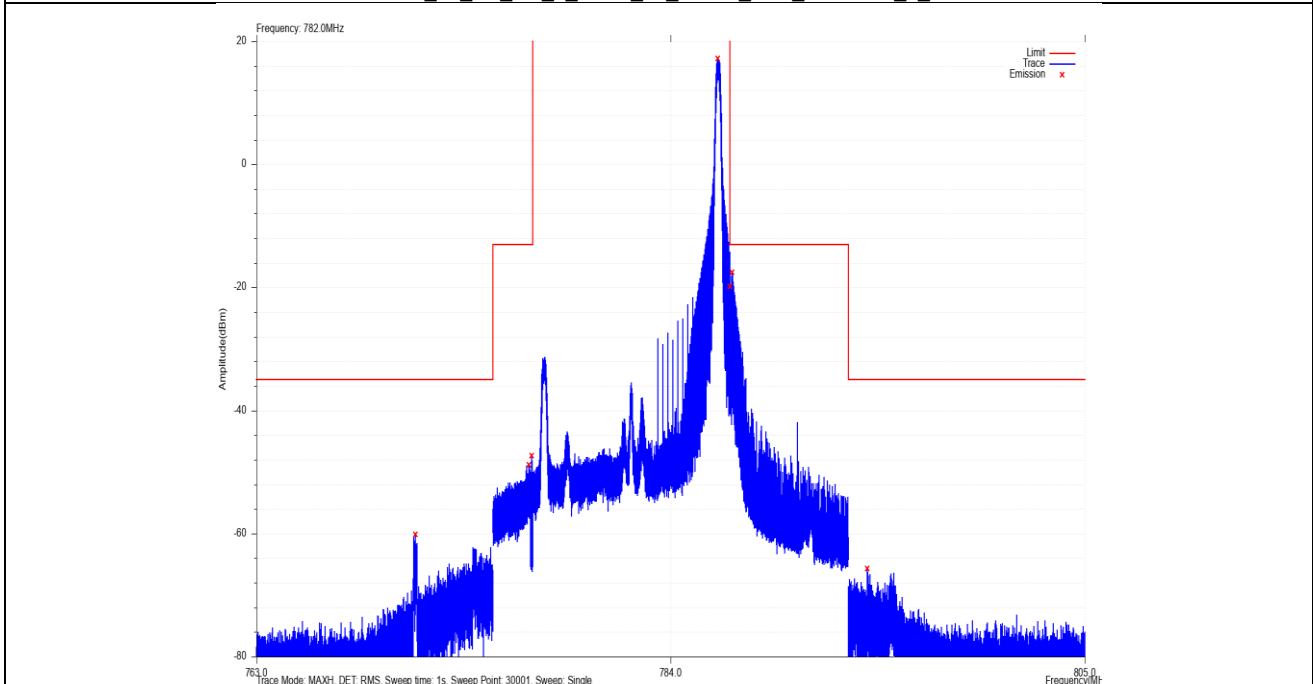




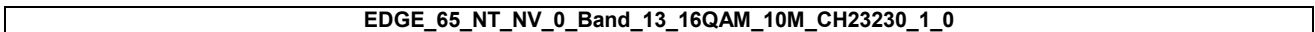
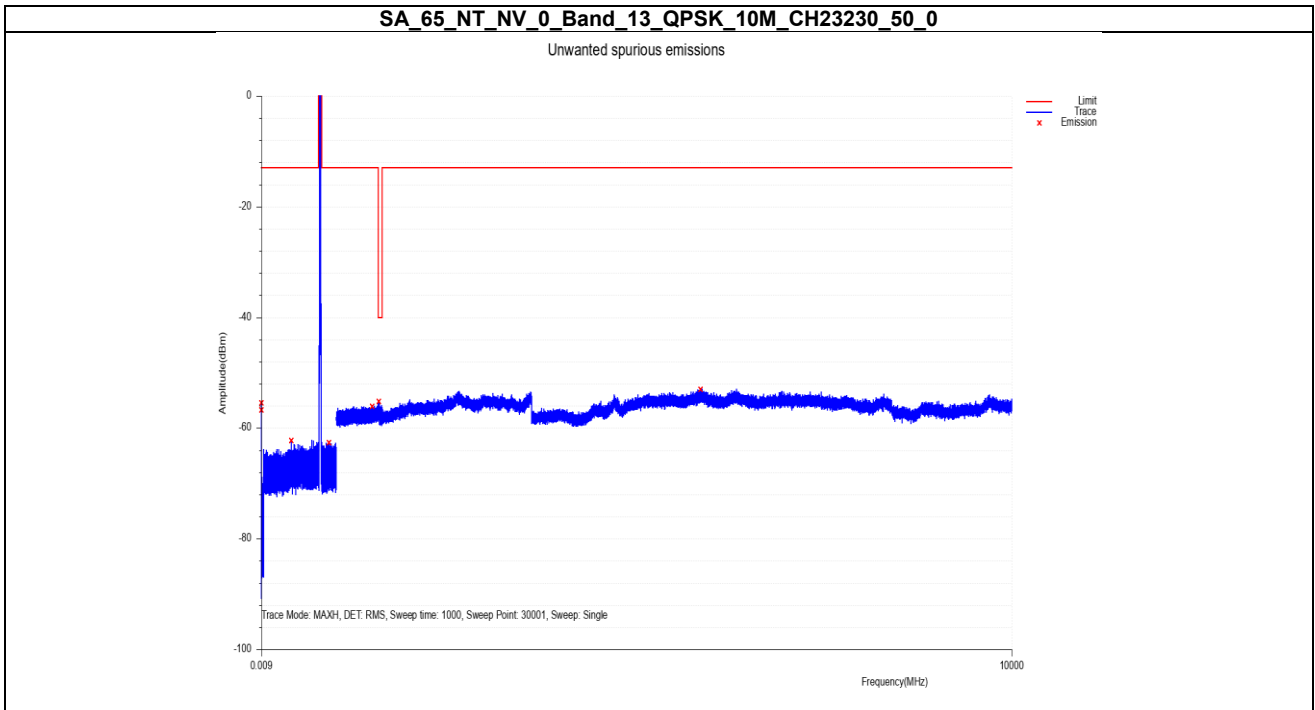
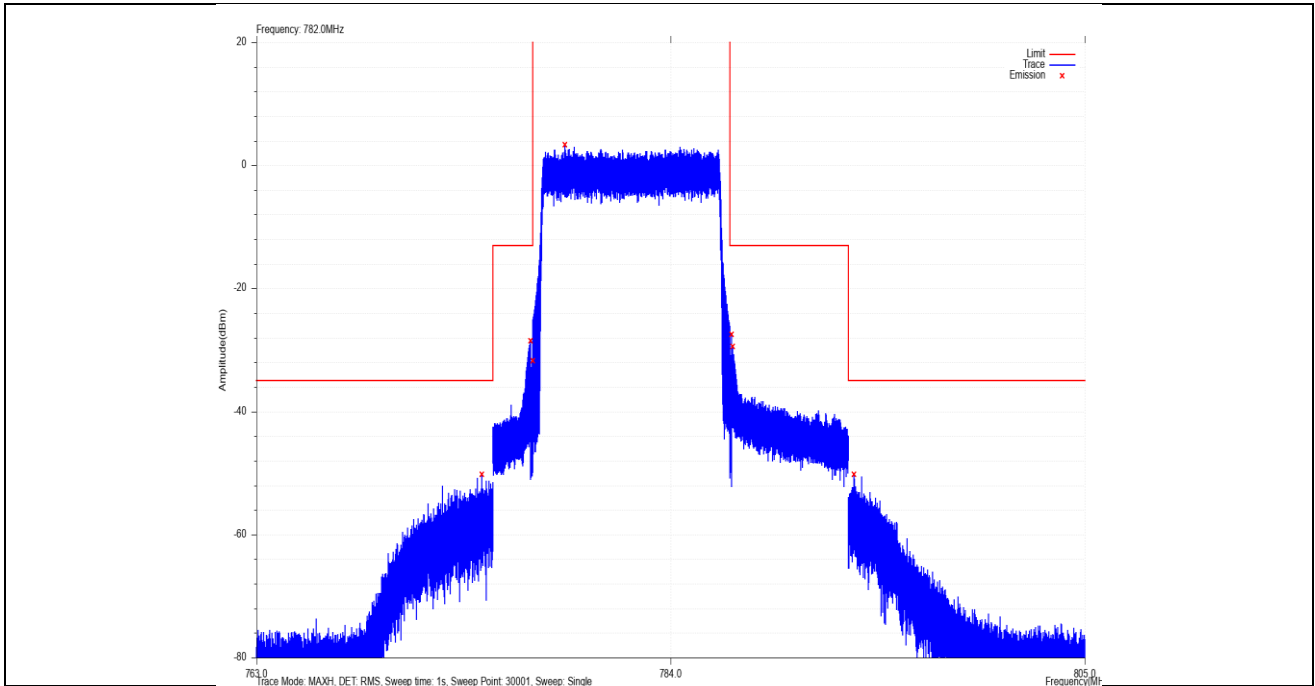


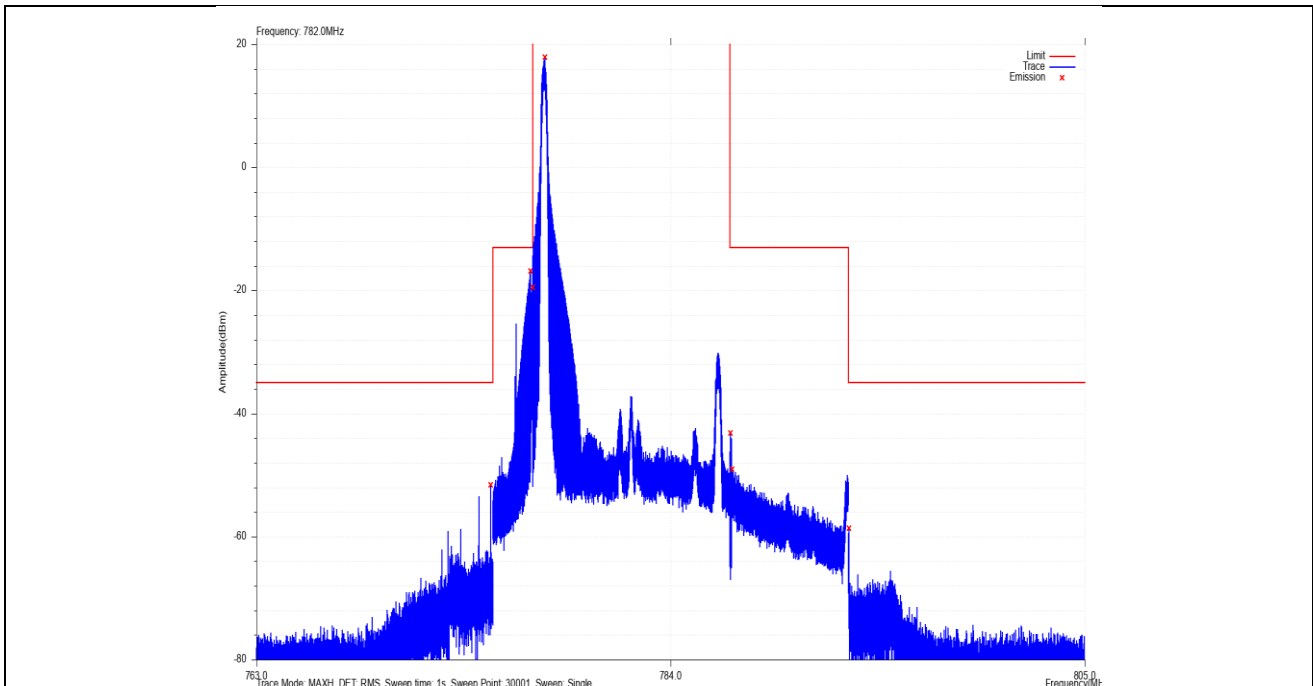


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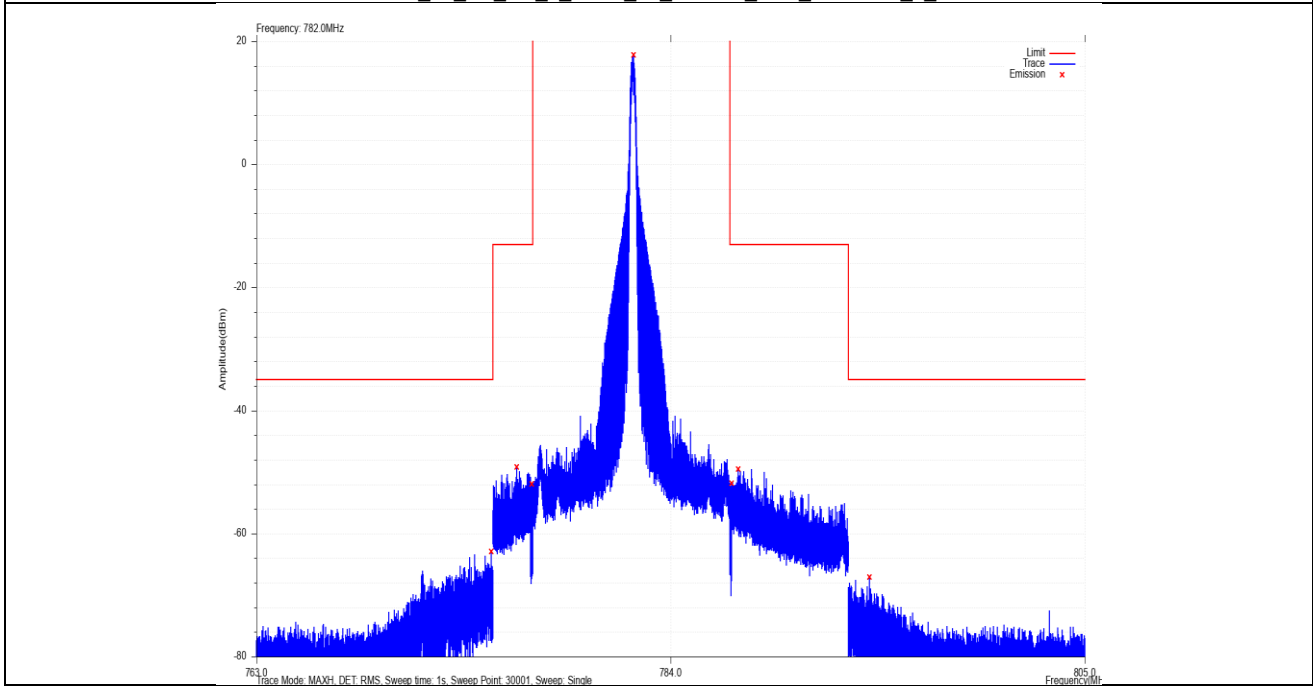


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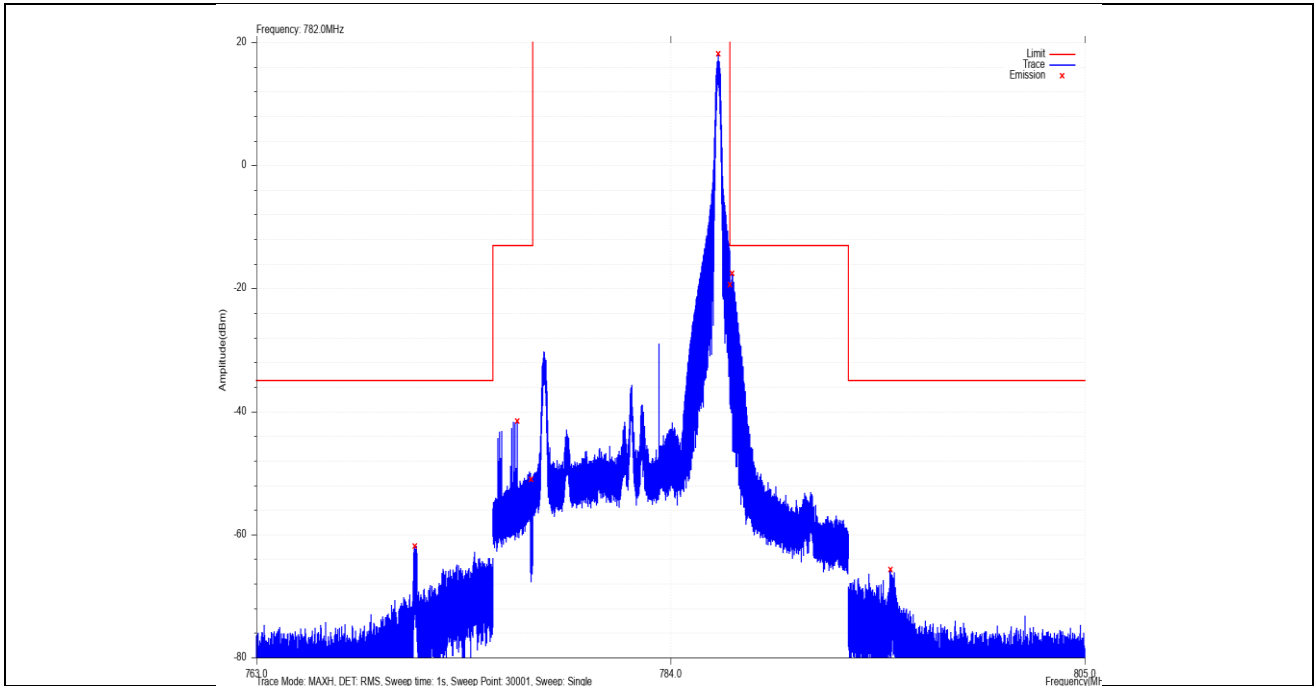




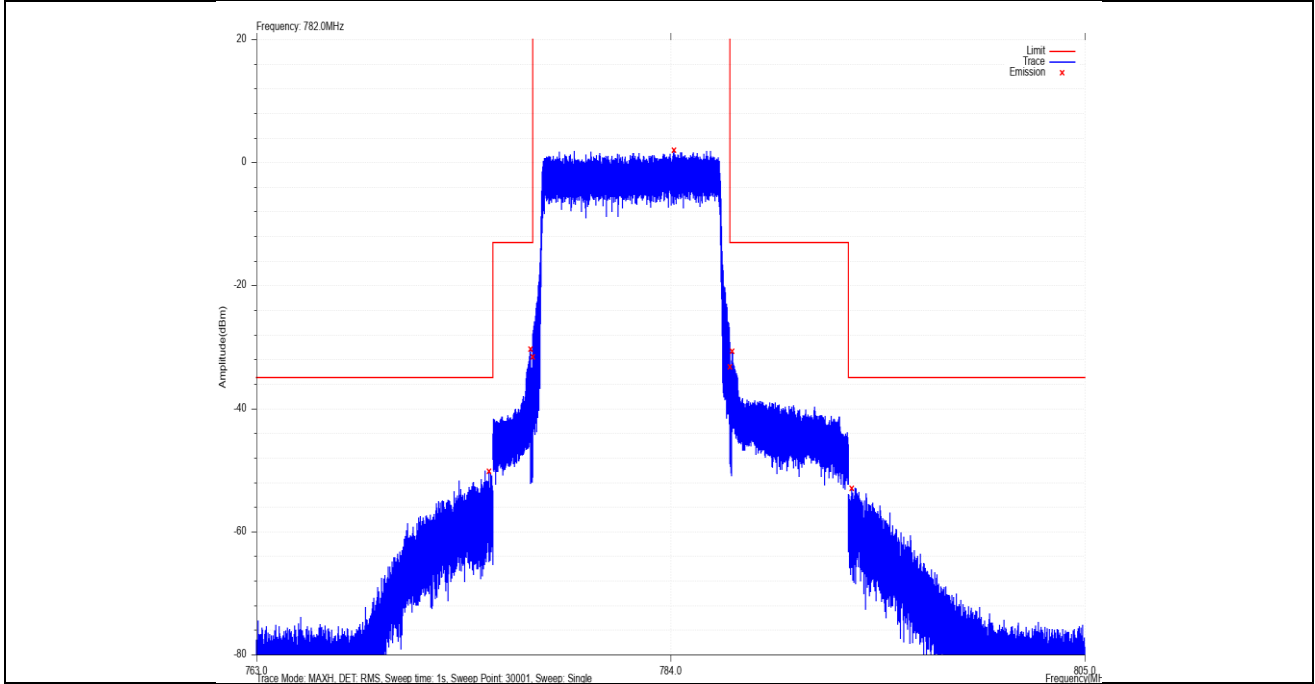
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EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_1_49



EDGE_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0



SA_65_NT_NV_0_Band_13_16QAM_10M_CH23230_50_0



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	0.0138	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	0.0064	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	0.0002	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	0.0091	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	0.0020	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	0.0130	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	0.0022	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	0.0031	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	0.0066	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	0.0078	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	0.0047	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	0.0046	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-0.0005	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	0.0050	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	0.0029	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	0.0129	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	0.0075	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	0.0024	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	0.0048	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	0.0049	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-0.0043	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	0.0002	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	0.0002	±2.5	PASS

Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Tempera ture (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	0.0026	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	0.0050	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	0.0093	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	0.0064	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	0.0057	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	0.0104	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	0.0065	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-0.0008	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	0.0043	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-0.0014	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-0.0036	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	0.0106	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	0.0026	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	0.0103	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	0.0045	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	0.0060	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-0.0002	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	0.0026	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	0.0028	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	0.0074	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	0.0001	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-0.0015	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-0.0003	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-0.0049	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	0.0092	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	0.0048	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	0.0015	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-0.0031	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	0.0045	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	0.0034	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	0.0061	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-0.0002	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	0.0073	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	0.0051	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-0.0004	±2.5	PASS
Band13	10MHz	QPSK	23130	50RB#0	NV	-30	0.0090	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-0.0015	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	0.0155	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	0.0103	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	0.0101	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	0.0100	±2.5	PASS