

WCDMA Band 5 HSDPA Test Data

FCC ID: 2BLBN-SMART

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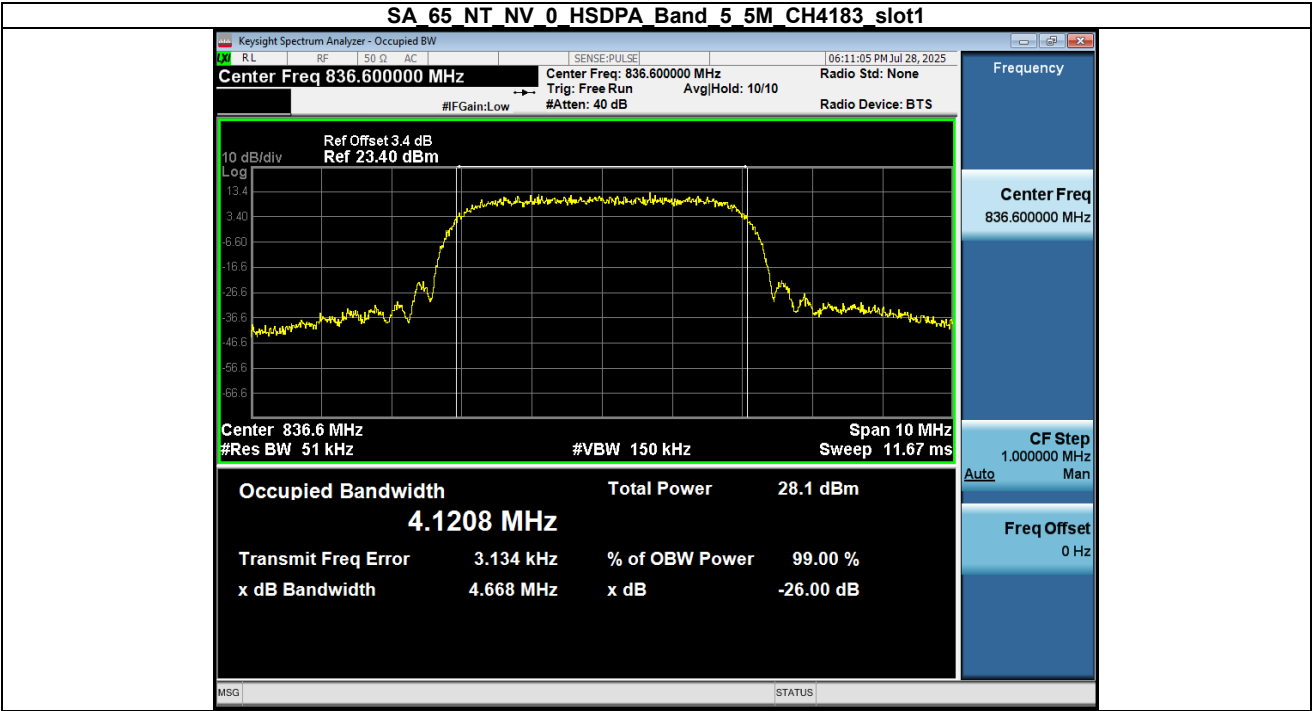
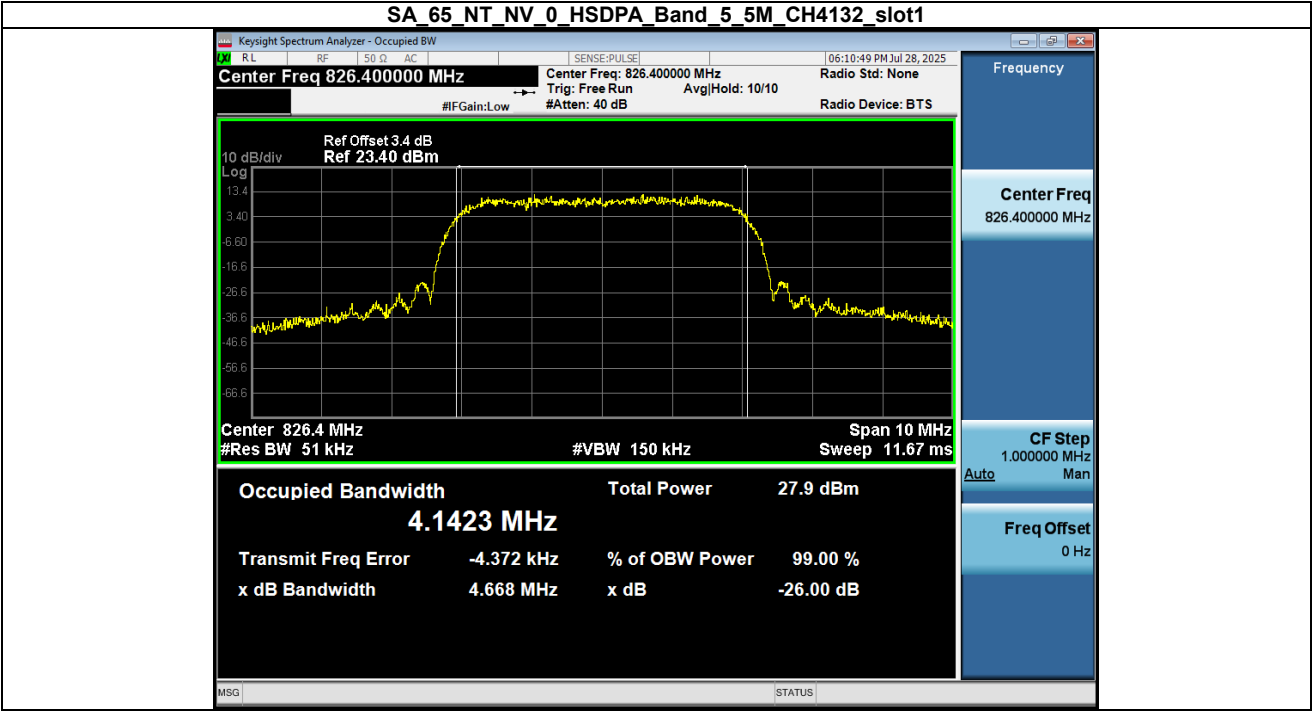
1. Conducted Output Power&&EIRP/ERP

Condition	Mode	Band	Frequency (MHz)	Sub	Conducted Power(dBm)	ANT Gain(dBi)	ERP(dBm)	limit(dBm)	Result
NVNT	HSDPA	Band 5	826.4	1	22.35	0.72	20.92	38.45	Pass
NVNT	HSDPA	Band 5	826.4	2	22.41	0.72	20.98	38.45	Pass
NVNT	HSDPA	Band 5	826.4	3	22.85	0.72	21.42	38.45	Pass
NVNT	HSDPA	Band 5	826.4	4	22.34	0.72	20.91	38.45	Pass
NVNT	HSDPA	Band 5	836.6	1	21.95	0.72	20.52	38.45	Pass
NVNT	HSDPA	Band 5	836.6	2	22.66	0.72	21.23	38.45	Pass
NVNT	HSDPA	Band 5	836.6	3	22.10	0.72	20.67	38.45	Pass
NVNT	HSDPA	Band 5	836.6	4	22.08	0.72	20.65	38.45	Pass
NVNT	HSDPA	Band 5	846.6	1	22.91	0.72	21.48	38.45	Pass
NVNT	HSDPA	Band 5	846.6	2	22.75	0.72	21.32	38.45	Pass
NVNT	HSDPA	Band 5	846.6	3	21.79	0.72	20.36	38.45	Pass
NVNT	HSDPA	Band 5	846.6	4	22.26	0.72	20.83	38.45	Pass

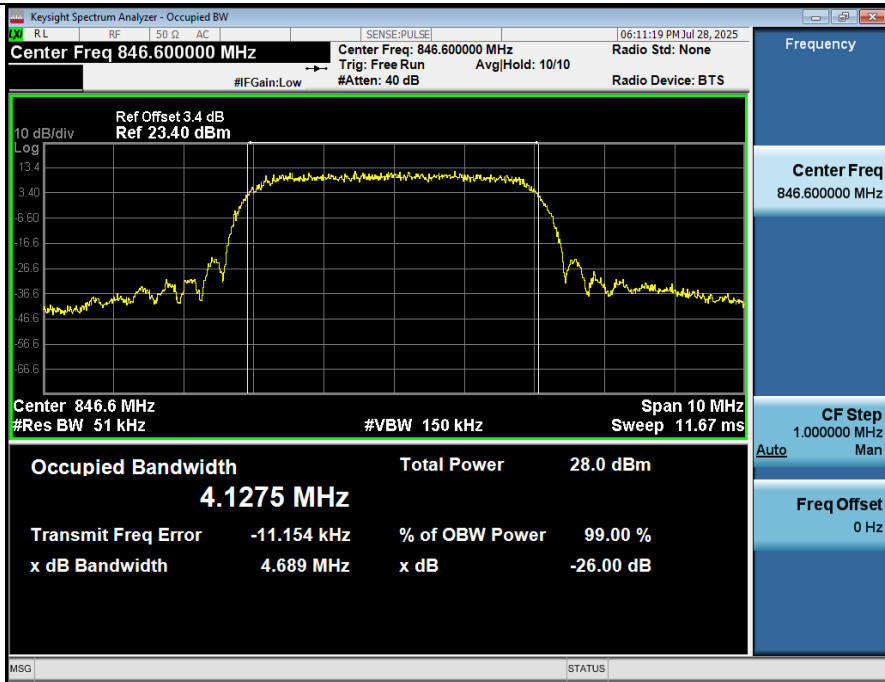
ERP = Conducted Power + ANT Gain - 2.15

2. Occupied Bandwidth

Condition	Mode	Band	Frequency(MHz)	Sub	OBW(MHz)	-26EBW(MHz)
NVNT	HSDPA	Band 5	826.4	1	4.1419	4.6678
NVNT	HSDPA	Band 5	836.6	1	4.1208	4.6683
NVNT	HSDPA	Band 5	846.6	1	4.1275	4.6885

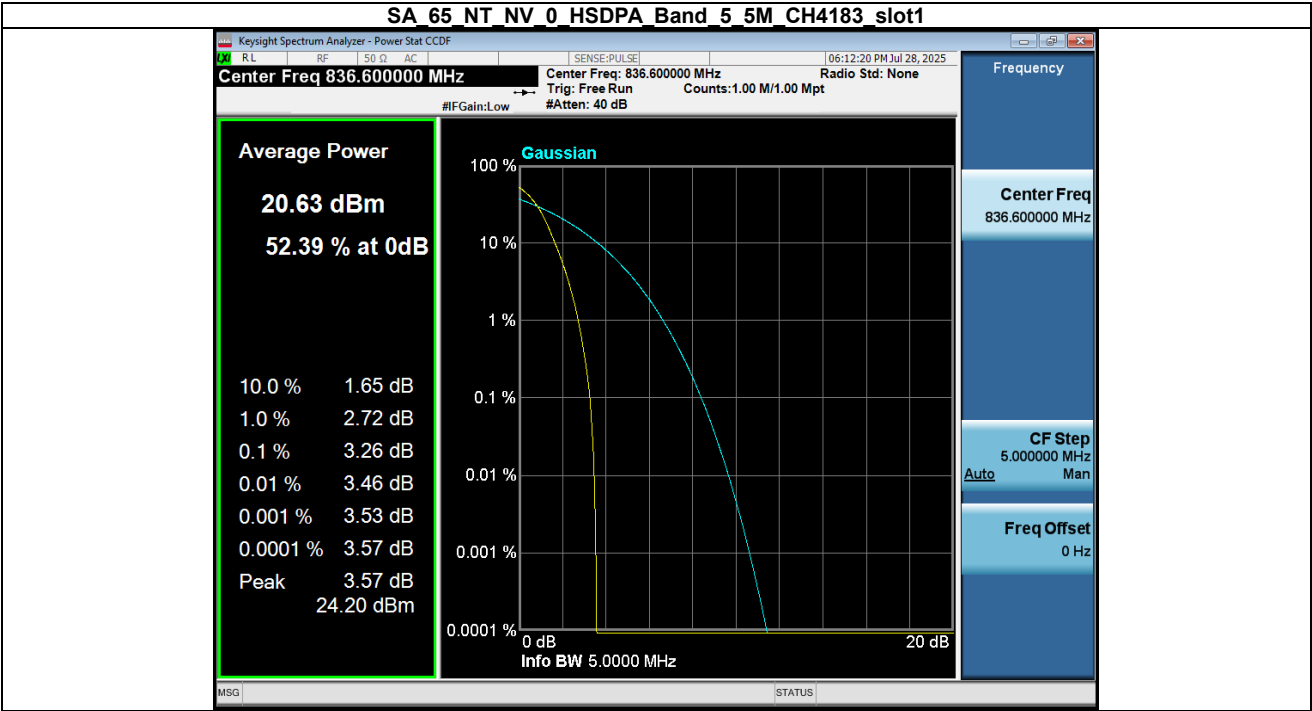
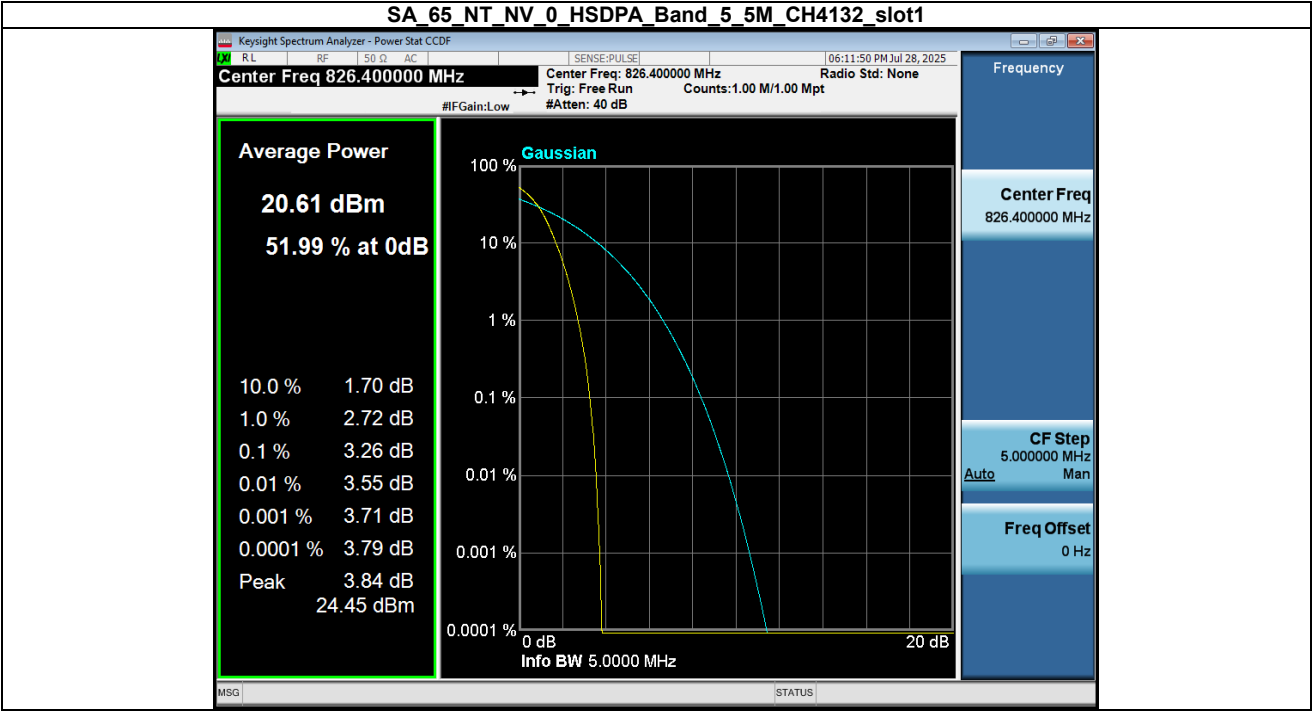


SA_65_NT_NV_0_HSDPA_Band_5_5M_CH4233_slot1

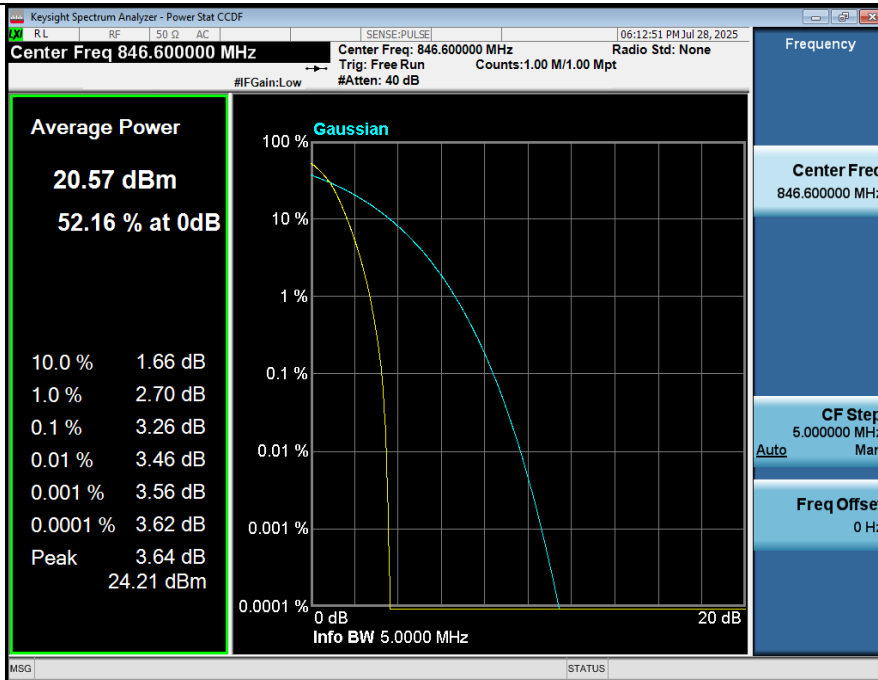


3. Peak to Average Ratio

Condition	Mode	Band	Frequency(MHz)	Sub	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	HSDPA	Band 5	826.4	1	3.26	13.00	Pass
NVNT	HSDPA	Band 5	836.6	1	3.26	13.00	Pass
NVNT	HSDPA	Band 5	846.6	1	3.26	13.00	Pass

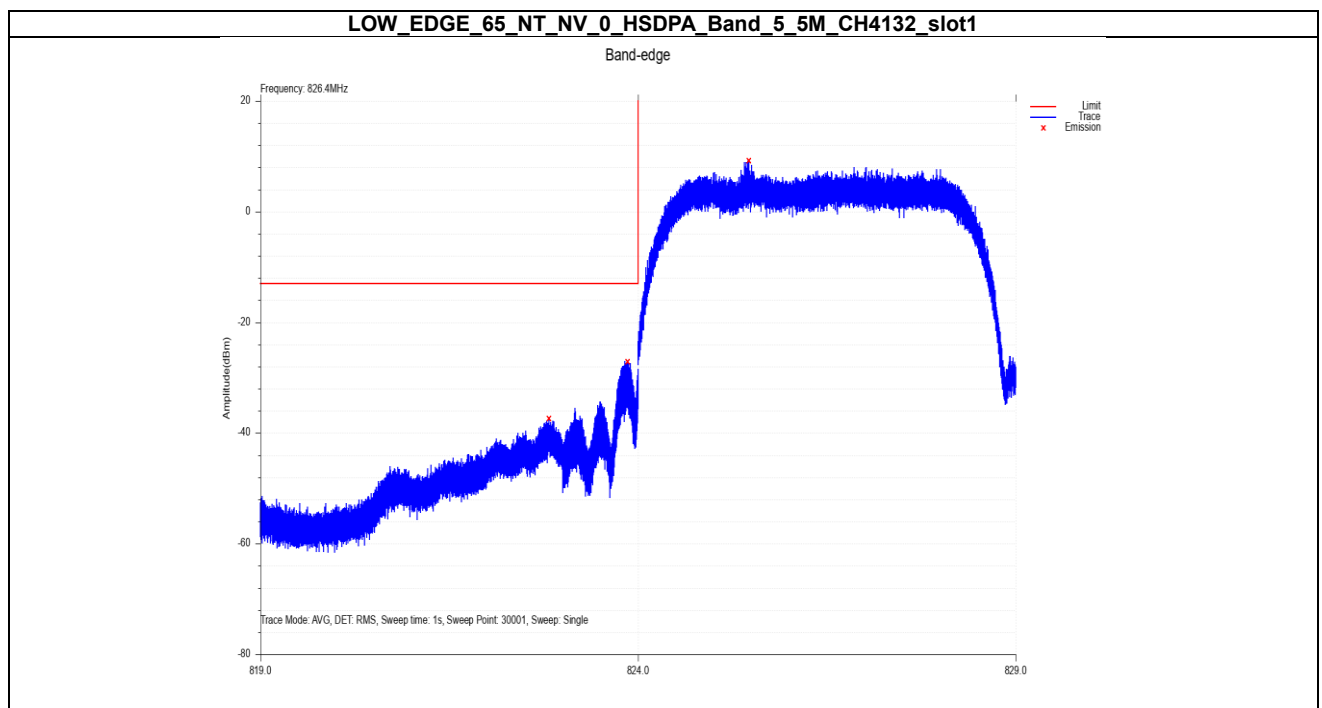


SA_65_NT_NV_0_HSDPA_Band_5_5M_CH4233_slot1



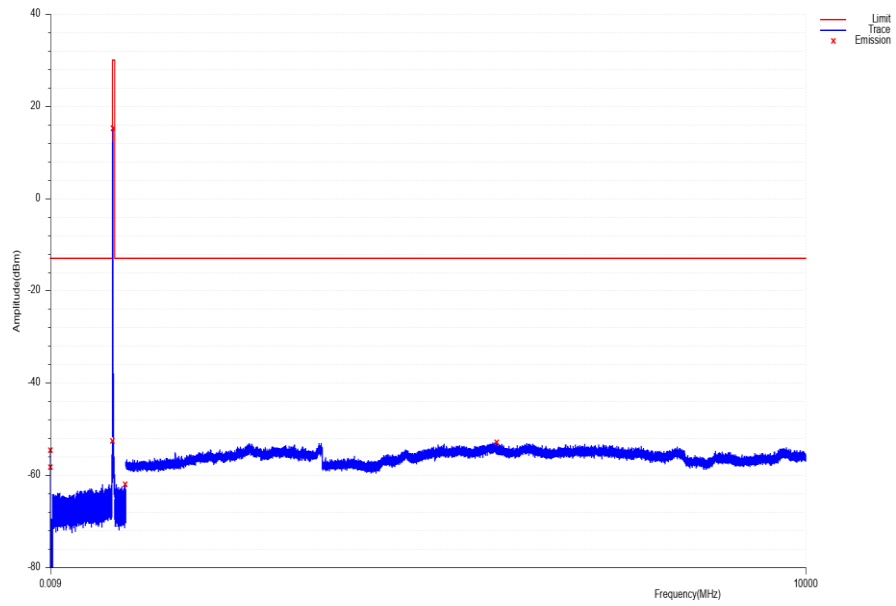
4. Unwanted Spurious Emission

Condition	Mode	Band	Frequency(MHz)	Sub	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	HSDPA	Band 5	826.40	1	100	819.0~823.0	822.819	-37.42	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	50.0	823.0~824.0	823.857	-27.05	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	1	0.009~0.150	0.009	-54.63	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	10	0.150~30.000	0.152	-58.32	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	100	30.000~819.000	818.711	-52.58	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	100	854.000~1000.000	989.882	-61.92	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	1000	1000.000~10000.000	5909.200	-52.96	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	1	0.009~0.150	0.010	-55.87	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	10	0.150~30.000	0.172	-58.05	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	100	30.000~819.000	794.462	-61.32	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	100	854.000~1000.000	920.211	-61.89	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	1000	1000.000~10000.000	5815.900	-52.68	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	50.0	849.0~850.0	849.127	-26.90	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	850.0~854.0	850.178	-36.86	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	1	0.009~0.150	0.011	-55.50	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	10	0.150~30.000	0.154	-57.08	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	30.000~819.000	810.821	-62.05	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	854.000~1000.000	854.156	-58.03	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	1000	1000.000~10000.000	6335.800	-52.62	-13	Pass



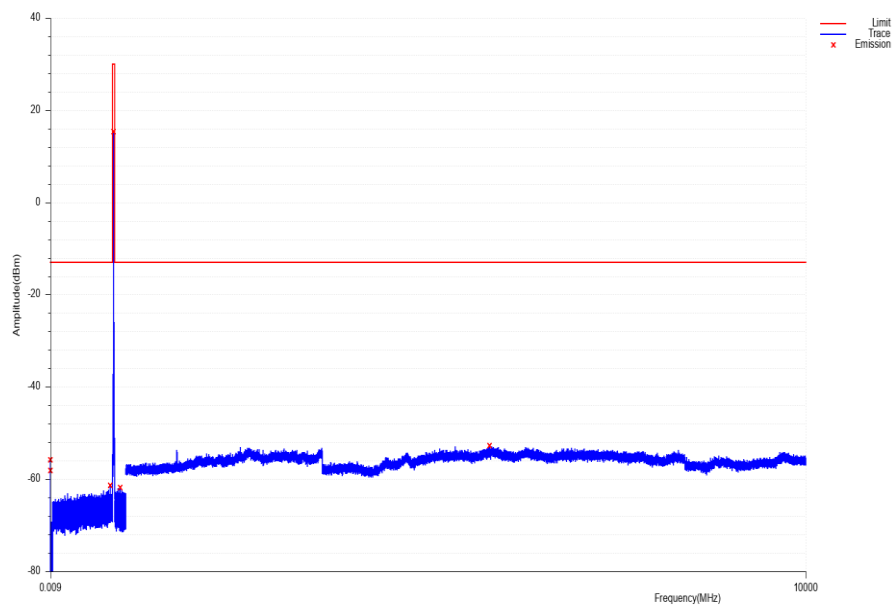
SA_65_NT_NV_0_HSDPA_Band_5_5M_CH4132_slot1

Unwanted spurious emissions

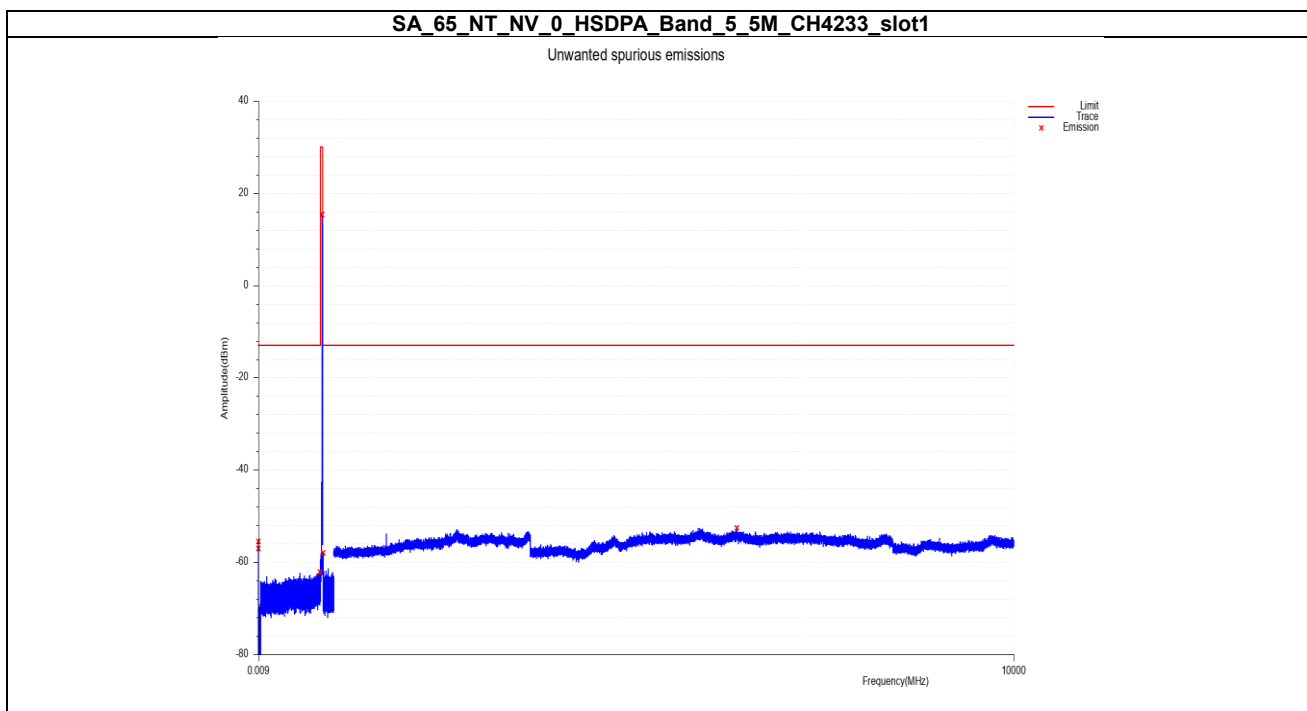
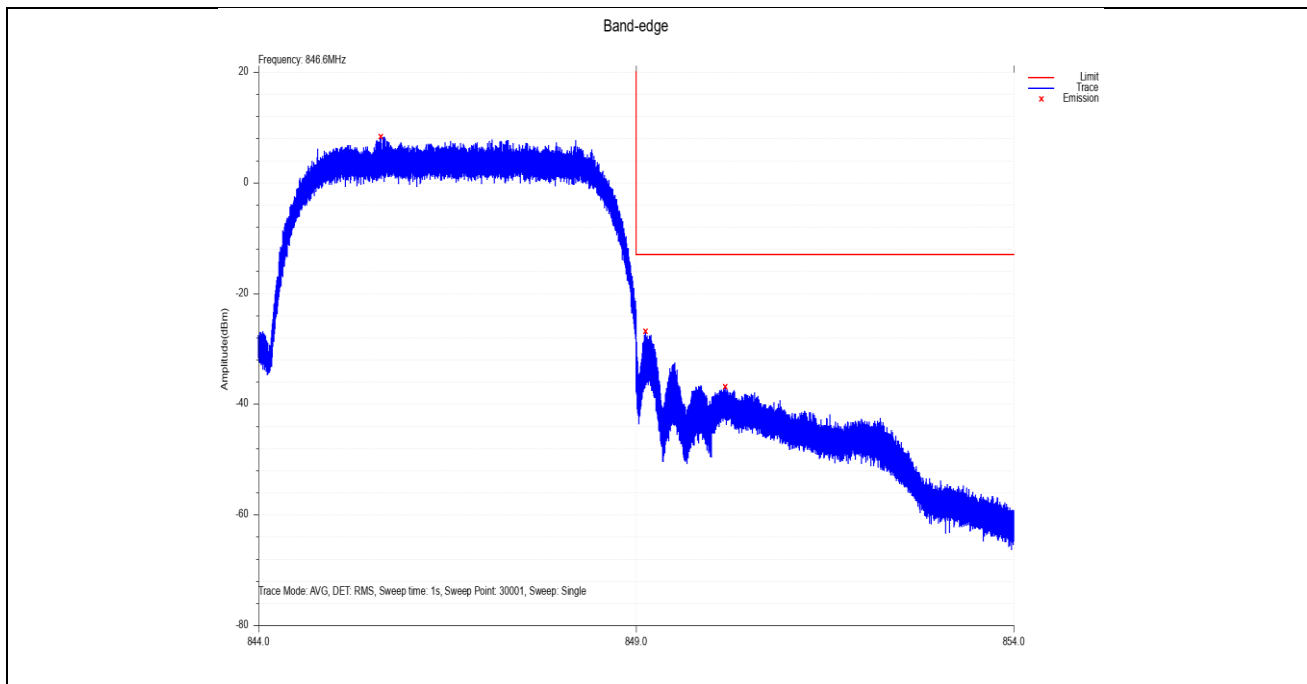


SA_65_NT_NV_0_HSDPA_Band_5_5M_CH4183_slot1

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_HSDPA_Band_5_5M_CH4233_slot1



5. Frequency Stability

Temperature (C)	Voltage (V)	Modulation	Band	Frequency (MHz)	Sub	Frequency Stabilization (ppm)	Limit_Low (ppm)	Limit_Up (ppm)	Result
-30	3.47	HSDPA	Band 5	826.4	1	0.0021	-2.50	2.50	Pass
-30	3.47	HSDPA	Band 5	836.6	1	0.0013	-2.50	2.50	Pass
-30	3.47	HSDPA	Band 5	846.6	1	0.0044	-2.50	2.50	Pass
-30	3.85	HSDPA	Band 5	826.4	1	0.0064	-2.50	2.50	Pass
-30	3.85	HSDPA	Band 5	836.6	1	0.0041	-2.50	2.50	Pass
-30	3.85	HSDPA	Band 5	846.6	1	0.0077	-2.50	2.50	Pass
-30	4.24	HSDPA	Band 5	826.4	1	0.0039	-2.50	2.50	Pass
-30	4.24	HSDPA	Band 5	836.6	1	0.0028	-2.50	2.50	Pass
-30	4.24	HSDPA	Band 5	846.6	1	0.0035	-2.50	2.50	Pass
-20	3.47	HSDPA	Band 5	826.4	1	0.0026	-2.50	2.50	Pass
-20	3.47	HSDPA	Band 5	836.6	1	0.0007	-2.50	2.50	Pass
-20	3.47	HSDPA	Band 5	846.6	1	0.0067	-2.50	2.50	Pass
-20	3.85	HSDPA	Band 5	826.4	1	0.0046	-2.50	2.50	Pass
-20	3.85	HSDPA	Band 5	836.6	1	0.0046	-2.50	2.50	Pass
-20	3.85	HSDPA	Band 5	846.6	1	0.0032	-2.50	2.50	Pass
-20	4.24	HSDPA	Band 5	826.4	1	0.0009	-2.50	2.50	Pass
-20	4.24	HSDPA	Band 5	836.6	1	0.0053	-2.50	2.50	Pass
-20	4.24	HSDPA	Band 5	846.6	1	0.0042	-2.50	2.50	Pass
-10	3.47	HSDPA	Band 5	826.4	1	0.0049	-2.50	2.50	Pass
-10	3.47	HSDPA	Band 5	836.6	1	0.0021	-2.50	2.50	Pass
-10	3.47	HSDPA	Band 5	846.6	1	0.0071	-2.50	2.50	Pass
-10	3.85	HSDPA	Band 5	826.4	1	0.0011	-2.50	2.50	Pass
-10	3.85	HSDPA	Band 5	836.6	1	0.0010	-2.50	2.50	Pass
-10	3.85	HSDPA	Band 5	846.6	1	0.0033	-2.50	2.50	Pass
-10	4.24	HSDPA	Band 5	826.4	1	0.0029	-2.50	2.50	Pass
-10	4.24	HSDPA	Band 5	836.6	1	0.0062	-2.50	2.50	Pass
-10	4.24	HSDPA	Band 5	846.6	1	0.0036	-2.50	2.50	Pass
0	3.47	HSDPA	Band 5	826.4	1	0.0012	-2.50	2.50	Pass
0	3.47	HSDPA	Band 5	836.6	1	0.0042	-2.50	2.50	Pass
0	3.47	HSDPA	Band 5	846.6	1	0.0047	-2.50	2.50	Pass
0	3.85	HSDPA	Band 5	826.4	1	0.0019	-2.50	2.50	Pass
0	3.85	HSDPA	Band 5	836.6	1	0.0014	-2.50	2.50	Pass
0	3.85	HSDPA	Band 5	846.6	1	0.0060	-2.50	2.50	Pass
0	4.24	HSDPA	Band 5	826.4	1	0.0040	-2.50	2.50	Pass
0	4.24	HSDPA	Band 5	836.6	1	0.0024	-2.50	2.50	Pass
0	4.24	HSDPA	Band 5	846.6	1	0.0056	-2.50	2.50	Pass
10	3.47	HSDPA	Band 5	826.4	1	0.0028	-2.50	2.50	Pass
10	3.47	HSDPA	Band 5	836.6	1	0.0068	-2.50	2.50	Pass
10	3.47	HSDPA	Band 5	846.6	1	0.0033	-2.50	2.50	Pass
10	3.85	HSDPA	Band 5	826.4	1	0.0055	-2.50	2.50	Pass
10	3.85	HSDPA	Band 5	836.6	1	0.0047	-2.50	2.50	Pass
10	3.85	HSDPA	Band 5	846.6	1	0.0043	-2.50	2.50	Pass
10	4.24	HSDPA	Band 5	826.4	1	0.0021	-2.50	2.50	Pass
10	4.24	HSDPA	Band 5	836.6	1	0.0025	-2.50	2.50	Pass
10	4.24	HSDPA	Band 5	846.6	1	0.0059	-2.50	2.50	Pass
20	3.47	HSDPA	Band 5	826.4	1	0.0013	-2.50	2.50	Pass
20	3.47	HSDPA	Band 5	836.6	1	0.0049	-2.50	2.50	Pass
20	3.47	HSDPA	Band 5	846.6	1	0.0050	-2.50	2.50	Pass
20	3.85	HSDPA	Band 5	826.4	1	0.0022	-2.50	2.50	Pass
20	3.85	HSDPA	Band 5	836.6	1	0.0055	-2.50	2.50	Pass
20	3.85	HSDPA	Band 5	846.6	1	0.0043	-2.50	2.50	Pass
20	4.24	HSDPA	Band 5	826.4	1	0.0048	-2.50	2.50	Pass
20	4.24	HSDPA	Band 5	836.6	1	0.0003	-2.50	2.50	Pass
20	4.24	HSDPA	Band 5	846.6	1	0.0036	-2.50	2.50	Pass
30	3.47	HSDPA	Band 5	826.4	1	0.0014	-2.50	2.50	Pass
30	3.47	HSDPA	Band 5	836.6	1	0.0066	-2.50	2.50	Pass
30	3.47	HSDPA	Band 5	846.6	1	0.0056	-2.50	2.50	Pass
30	3.85	HSDPA	Band 5	826.4	1	0.0029	-2.50	2.50	Pass
30	3.85	HSDPA	Band 5	836.6	1	0.0071	-2.50	2.50	Pass
30	3.85	HSDPA	Band 5	846.6	1	0.0031	-2.50	2.50	Pass
30	4.24	HSDPA	Band 5	826.4	1	0.0035	-2.50	2.50	Pass
30	4.24	HSDPA	Band 5	836.6	1	0.0074	-2.50	2.50	Pass
30	4.24	HSDPA	Band 5	846.6	1	0.0046	-2.50	2.50	Pass
40	3.47	HSDPA	Band 5	826.4	1	0.0070	-2.50	2.50	Pass
40	3.47	HSDPA	Band 5	836.6	1	0.0014	-2.50	2.50	Pass

40	3.47	HSDPA	Band 5	846.6	1	0.0027	-2.50	2.50	Pass
40	3.85	HSDPA	Band 5	826.4	1	0.0042	-2.50	2.50	Pass
40	3.85	HSDPA	Band 5	836.6	1	0.0036	-2.50	2.50	Pass
40	3.85	HSDPA	Band 5	846.6	1	0.0041	-2.50	2.50	Pass
40	4.24	HSDPA	Band 5	826.4	1	0.0018	-2.50	2.50	Pass
40	4.24	HSDPA	Band 5	836.6	1	0.0036	-2.50	2.50	Pass
40	4.24	HSDPA	Band 5	846.6	1	0.0039	-2.50	2.50	Pass
50	3.47	HSDPA	Band 5	826.4	1	0.0024	-2.50	2.50	Pass
50	3.47	HSDPA	Band 5	836.6	1	0.0010	-2.50	2.50	Pass
50	3.47	HSDPA	Band 5	846.6	1	0.0026	-2.50	2.50	Pass
50	3.85	HSDPA	Band 5	826.4	1	0.0025	-2.50	2.50	Pass
50	3.85	HSDPA	Band 5	836.6	1	0.0041	-2.50	2.50	Pass
50	3.85	HSDPA	Band 5	846.6	1	0.0056	-2.50	2.50	Pass
50	4.24	HSDPA	Band 5	826.4	1	0.0004	-2.50	2.50	Pass
50	4.24	HSDPA	Band 5	836.6	1	0.0017	-2.50	2.50	Pass
50	4.24	HSDPA	Band 5	846.6	1	0.0035	-2.50	2.50	Pass