

WCDMA Band 2 HSUPA Test Data

FCC ID: 2BQHT-TAB-T101-4

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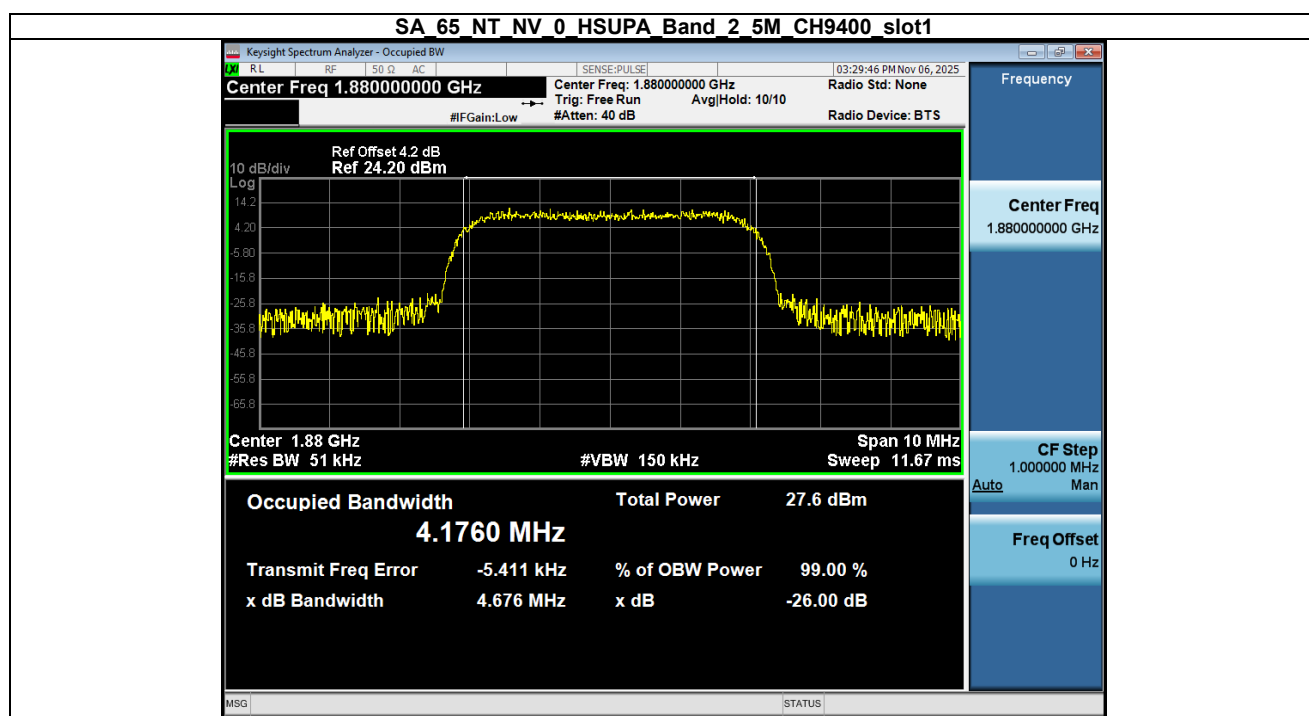
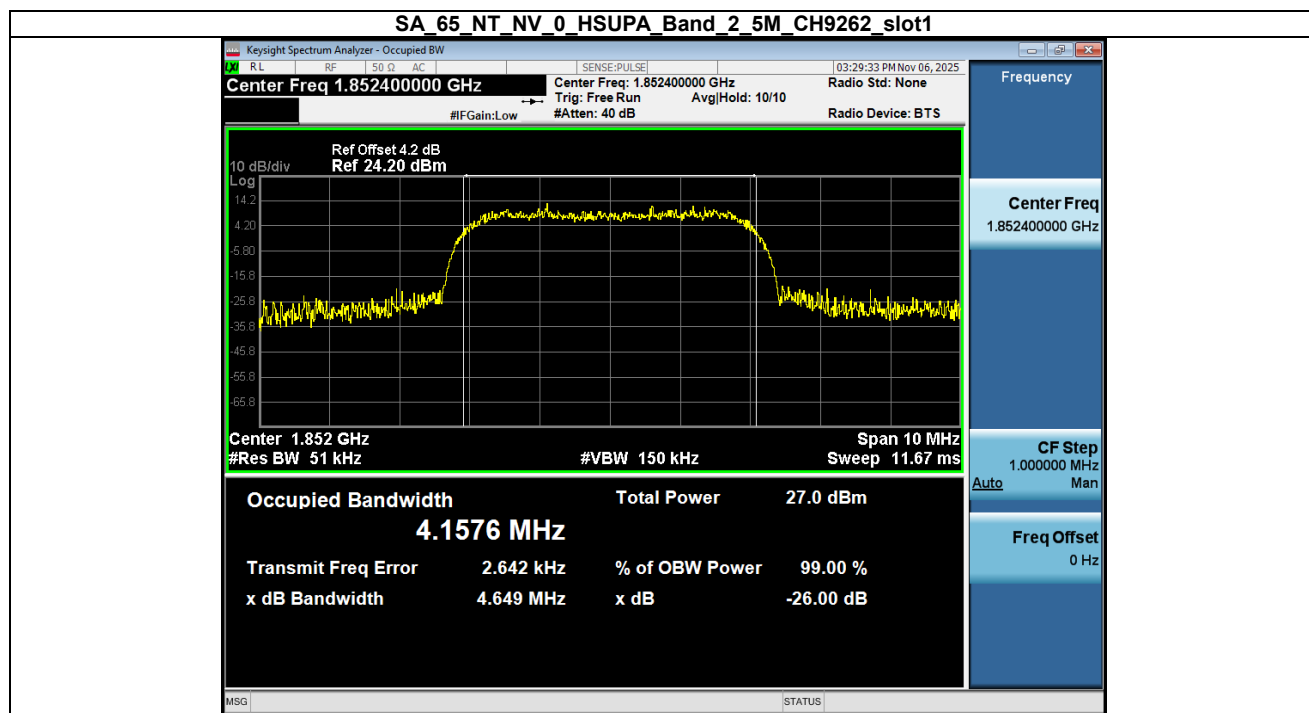
1. Conducted Output Power&&EIRP/ERP

Condition	Mode	Band	Frequency (MHz)	Sub	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
NVNT	HSUPA	Band 2	1852.4	1	21.99	2.16	24.15	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	2	21.41	2.16	23.57	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	3	21.65	2.16	23.81	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	4	21.78	2.16	23.94	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	5	22.54	2.16	24.70	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	1	20.47	2.16	22.63	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	2	21.49	2.16	23.65	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	3	21.39	2.16	23.55	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	4	22.13	2.16	24.29	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	5	20.92	2.16	23.08	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	1	21.97	2.16	24.13	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	2	21.37	2.16	23.53	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	3	22.00	2.16	24.16	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	4	22.19	2.16	24.35	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	5	23.10	2.16	25.26	33.01	Pass

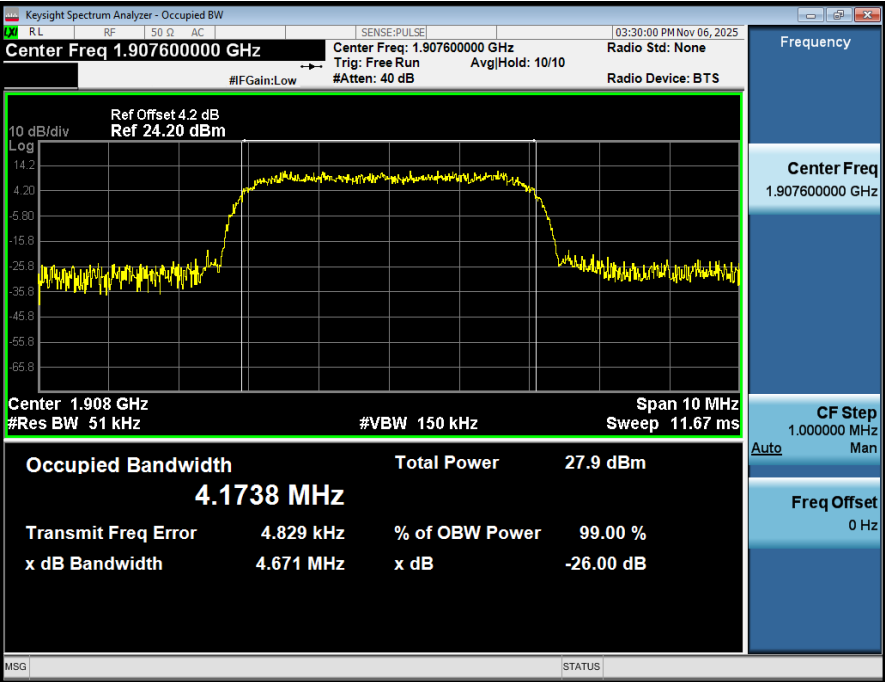
EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

Condition	Mode	Band	Frequency(MHz)	Sub	OBW(MHz)	-26EBW(MHz)
NVNT	HSUPA	Band 2	1852.4	1	4.1576	4.6495
NVNT	HSUPA	Band 2	1880.0	1	4.1760	4.6756
NVNT	HSUPA	Band 2	1907.6	1	4.1738	4.6708

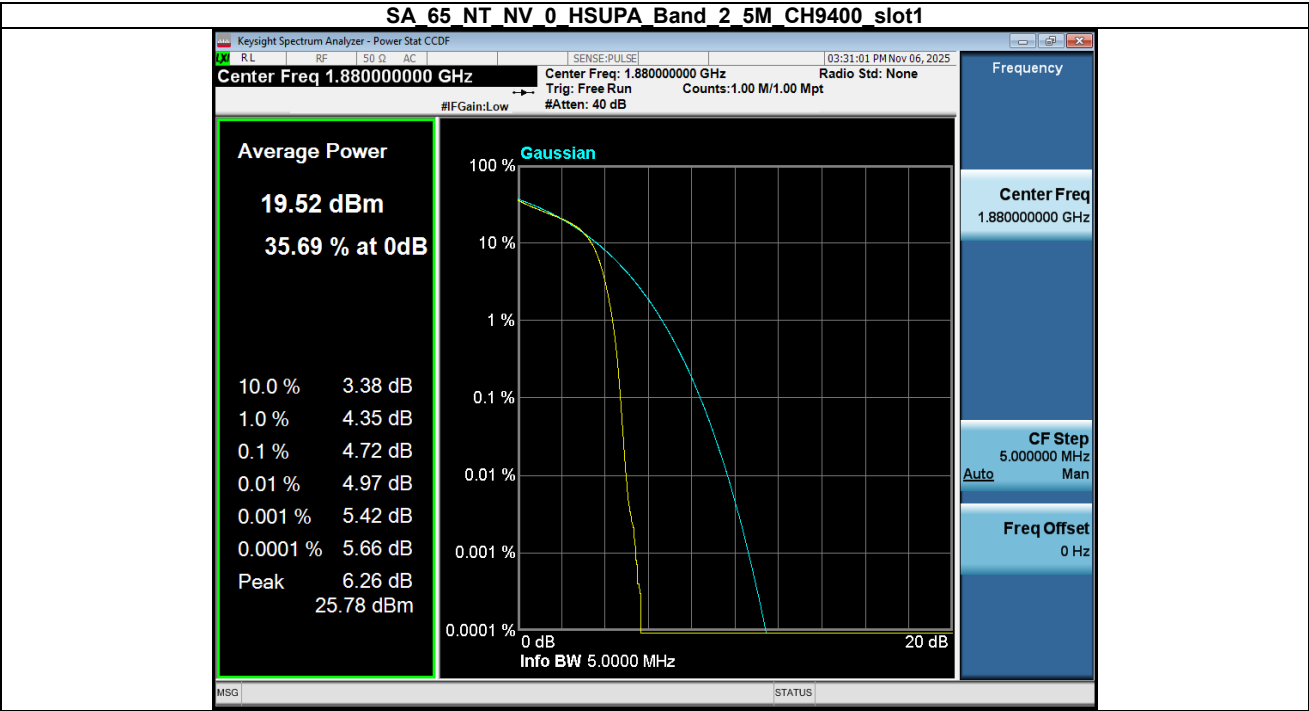
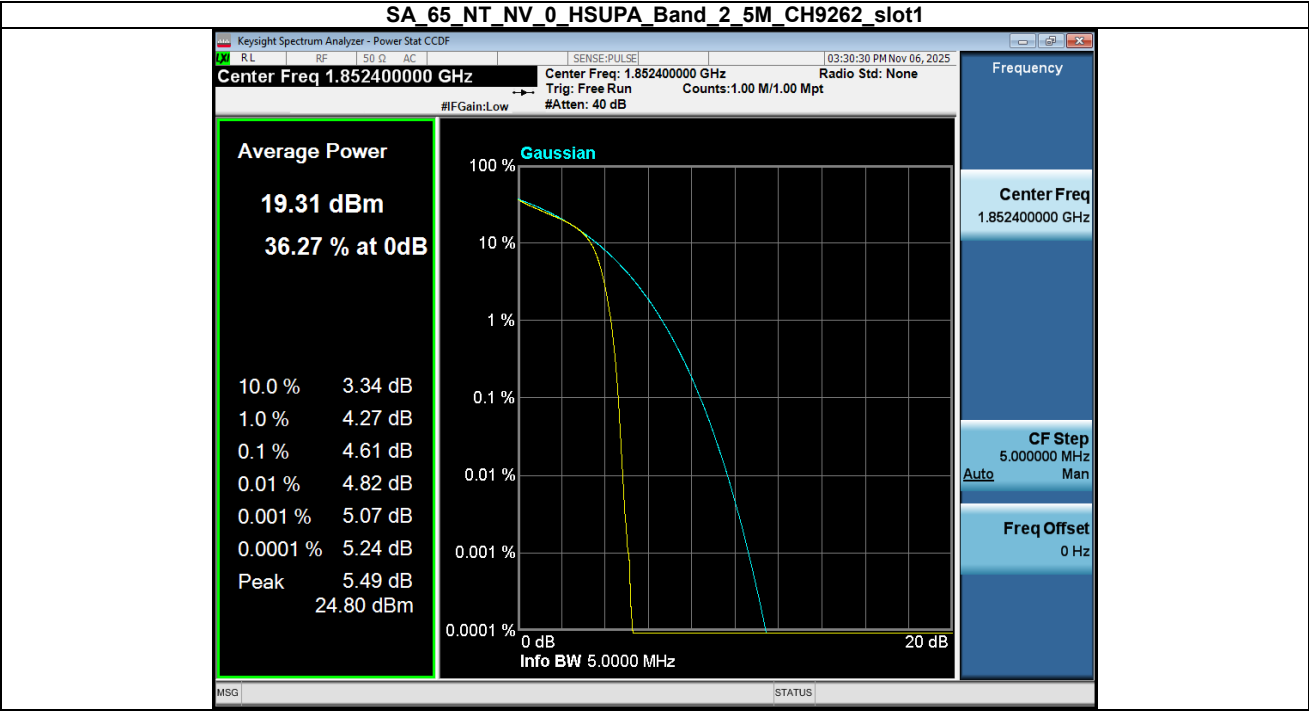


SA 65 NT NV 0 HSUPA Band 2 5M CH9538 slot1

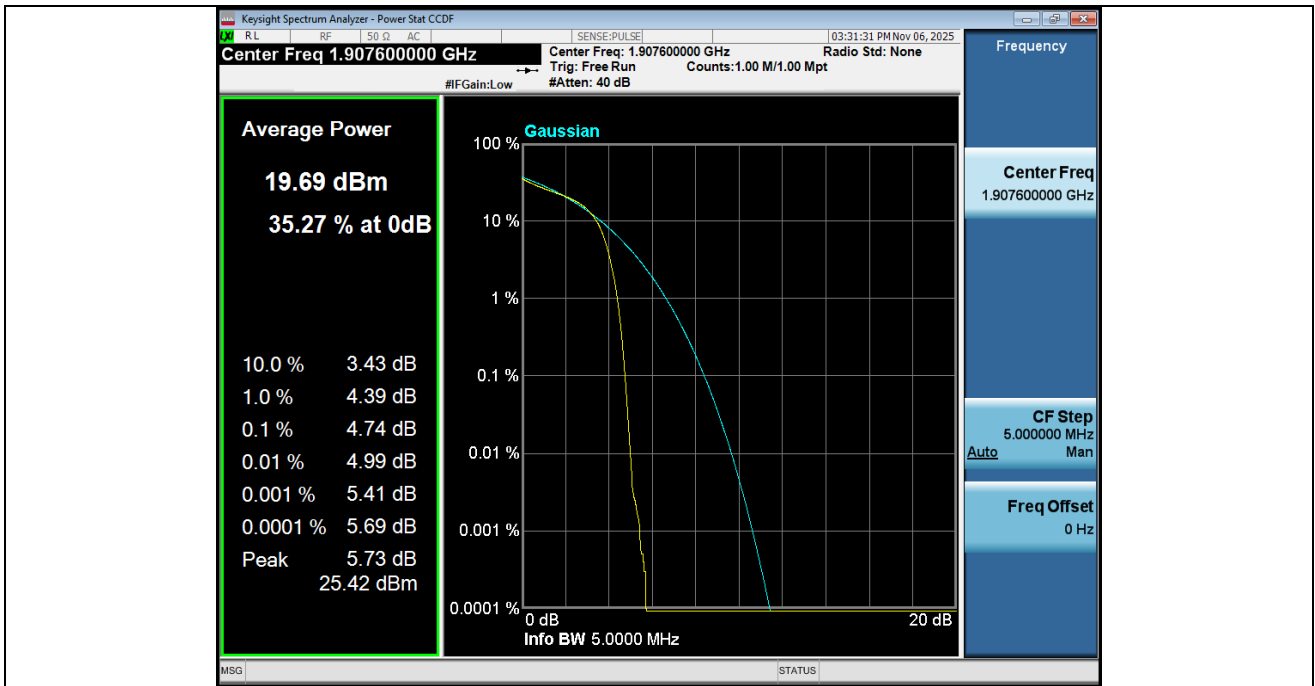


3. Peak to Average Ratio

Condition	Mode	Band	Frequency(MHz)	Sub	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	HSUPA	Band 2	1852.4	1	4.61	13.00	Pass
NVNT	HSUPA	Band 2	1880.0	1	4.72	13.00	Pass
NVNT	HSUPA	Band 2	1907.6	1	4.74	13.00	Pass

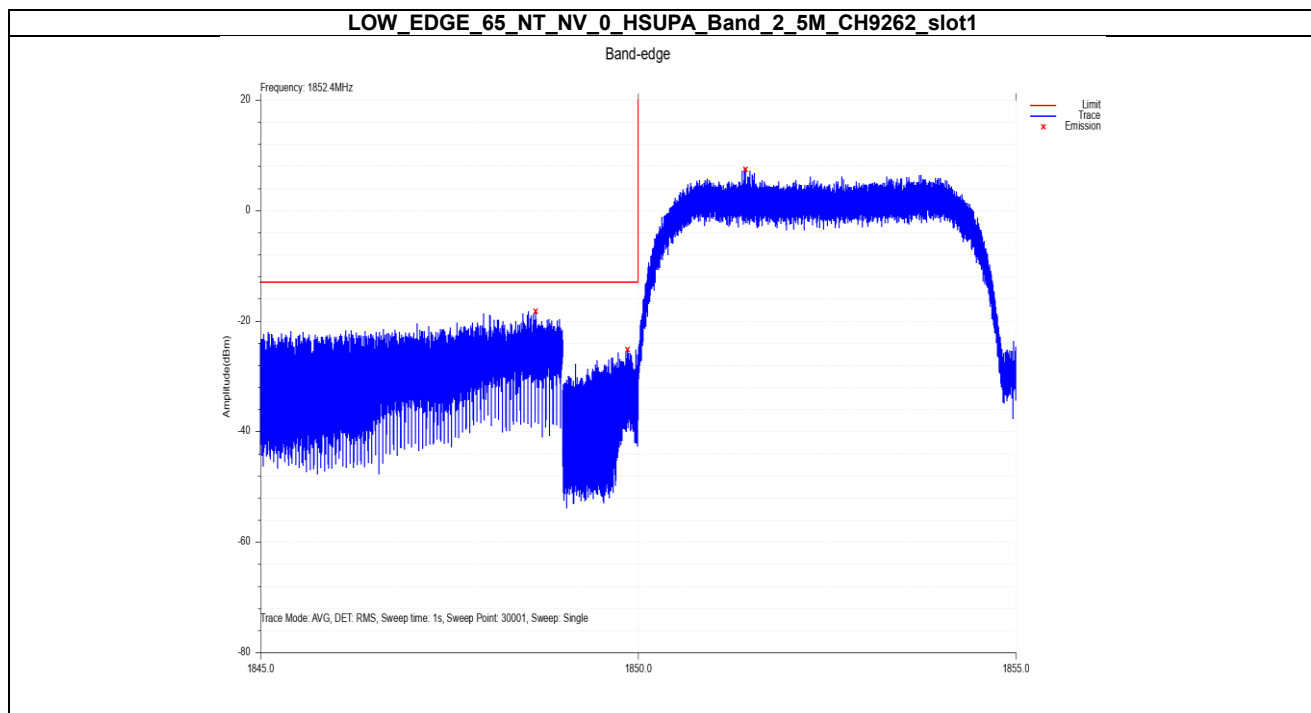


SA_65_NT_NV_0_HSUPA_Band_2_5M_CH9538_slot1

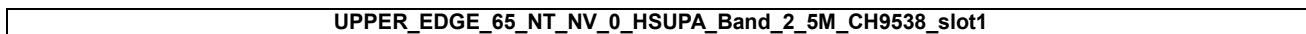
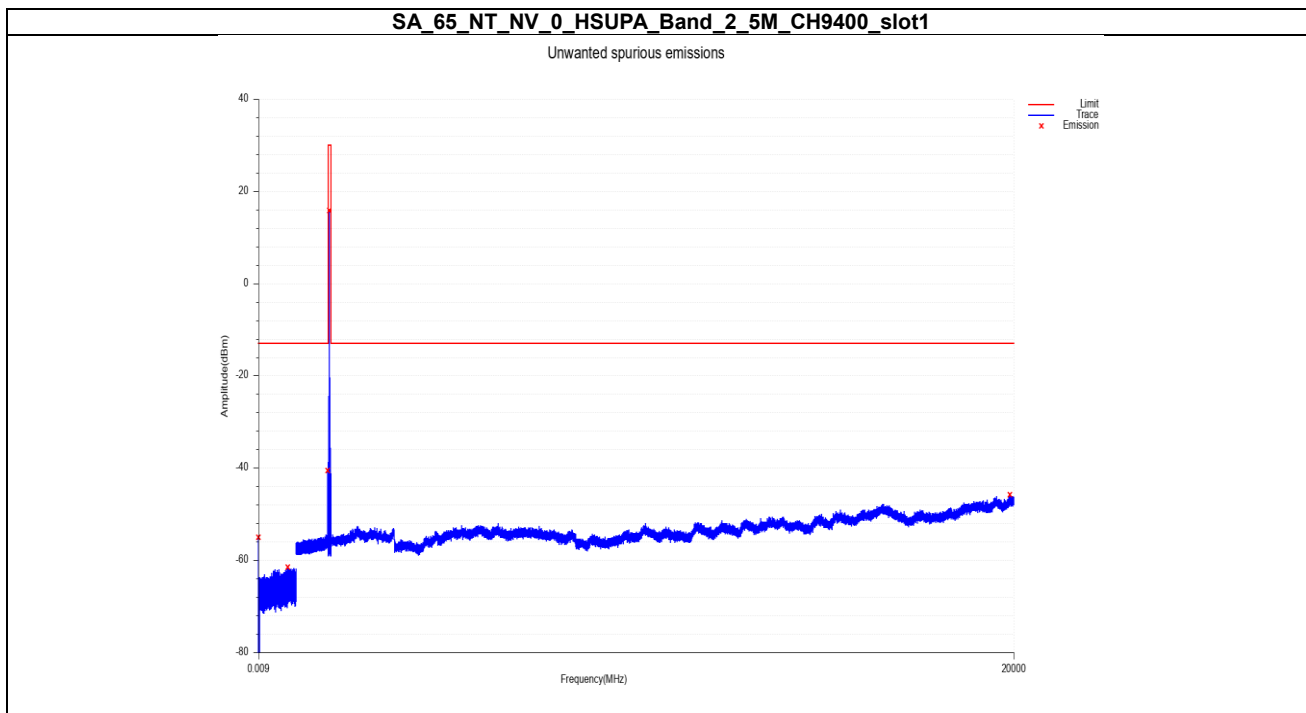
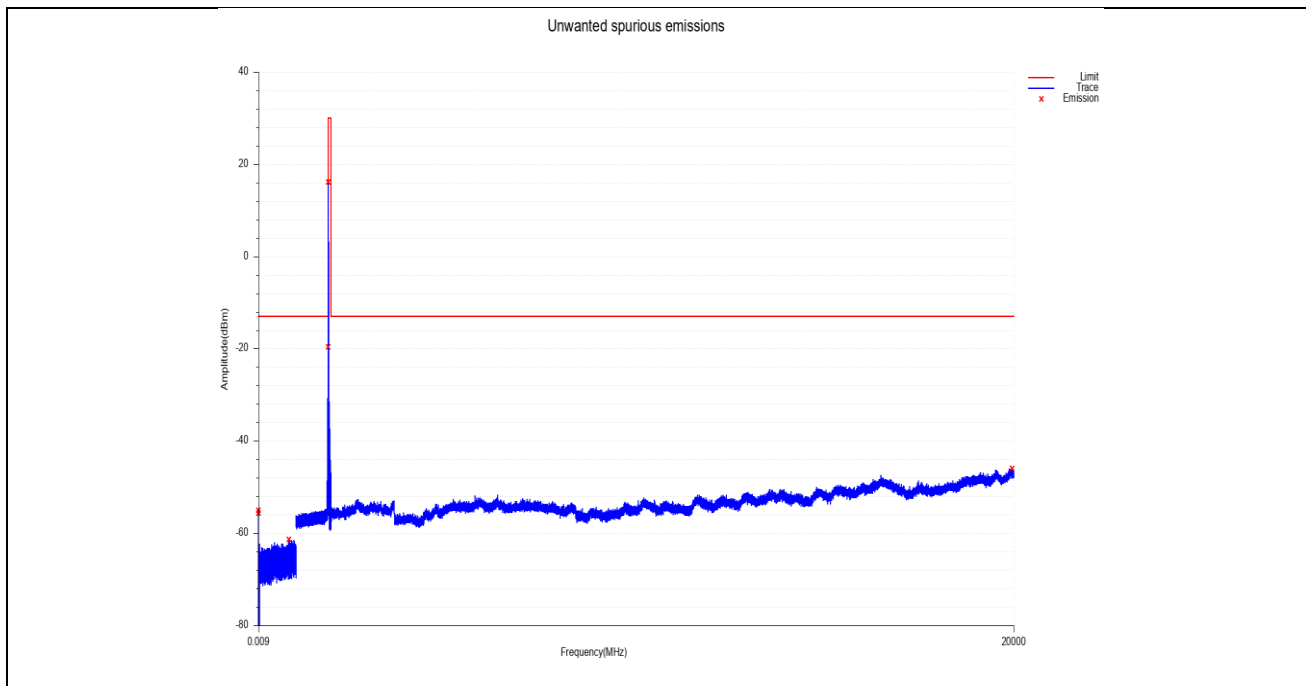


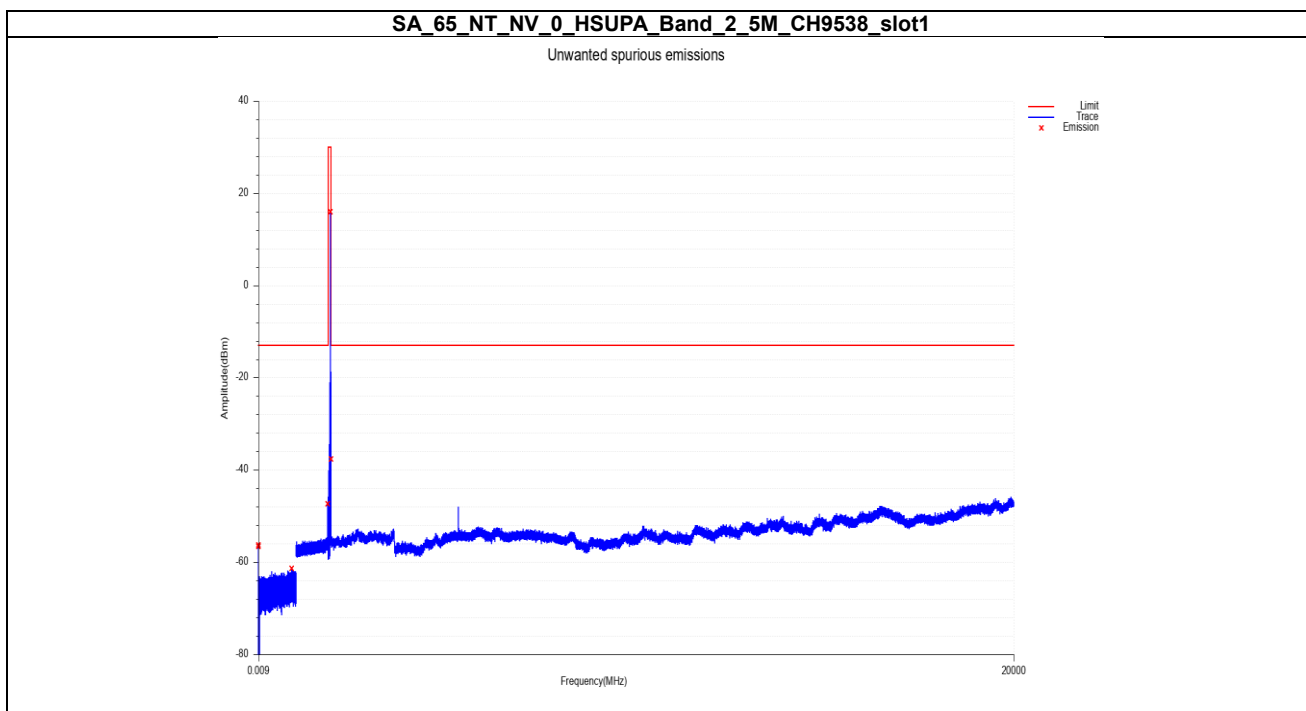
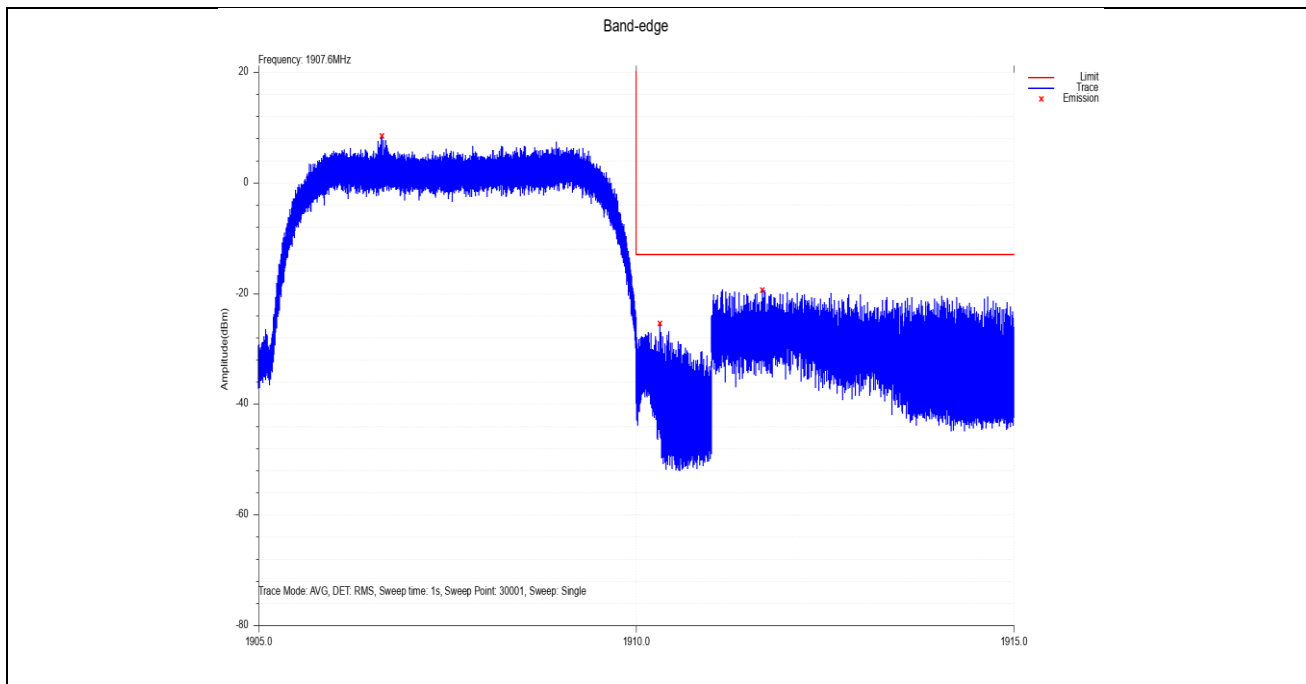
4. Unwanted Spurious Emission

Condition	Mode	Band	Frequency (MHz)	Sub	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	HSUPA	Band 2	1852.40	1	1000	1845.0~1849.0	1848.642	-18.26	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	50.0	1849.0~1850.0	1849.859	-25.19	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1	0.009~0.150	0.010	-55.01	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	10	0.150~30.000	0.156	-55.62	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	100	30.000~1000.000	810.624	-61.34	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1000	1000.000~1845.000	1843.338	-19.66	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1000	1915.000~20000.000	19961.419	-46.00	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1	0.009~0.150	0.013	-55.09	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	10	0.150~30.000	0.154	-55.10	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	100	30.000~1000.000	776.092	-61.54	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1000	1000.000~1845.000	1835.480	-40.60	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1000	1915.000~20000.000	19902.341	-45.85	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	50.0	1910.0~1911.0	1910.315	-25.41	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1911.0~1915.0	1911.669	-19.41	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1	0.009~0.150	0.010	-56.35	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	10	0.150~30.000	0.155	-56.51	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	100	30.000~1000.000	882.371	-61.40	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1000.000~1845.000	1838.043	-47.38	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1915.000~20000.000	1915.000	-37.66	-13	Pass



SA_65_NT_NV_0_HSUPA_Band_2_5M_CH9262_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	HSUPA	Band 2	1852.4	1	-0.0011	-2.50	2.50	Pass
-30	3.47	HSUPA	Band 2	1880.0	1	0.0079	-2.50	2.50	Pass
-30	3.47	HSUPA	Band 2	1907.6	1	0.0109	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1852.4	1	0.0027	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1880.0	1	0.0090	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1907.6	1	0.0139	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1852.4	1	0.0063	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1880.0	1	0.0071	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1907.6	1	0.0047	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1852.4	1	0.0043	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1880.0	1	-0.0047	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1907.6	1	0.0141	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1852.4	1	-0.0044	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1880.0	1	0.0090	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1907.6	1	-0.0027	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1852.4	1	0.0002	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1880.0	1	0.0033	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1907.6	1	0.0025	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1852.4	1	0.0080	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1880.0	1	0.0023	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1907.6	1	0.0052	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1852.4	1	-0.0028	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1880.0	1	0.0060	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1907.6	1	0.0006	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1852.4	1	0.0026	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1880.0	1	0.0122	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1907.6	1	-0.0018	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1852.4	1	0.0002	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1880.0	1	0.0049	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1907.6	1	-0.0016	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1852.4	1	0.0062	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1880.0	1	0.0012	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1907.6	1	0.0150	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1852.4	1	0.0052	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1880.0	1	-0.0017	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1907.6	1	0.0117	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1852.4	1	0.0058	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1880.0	1	0.0100	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1907.6	1	0.0101	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1852.4	1	0.0025	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1880.0	1	0.0009	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1907.6	1	0.0096	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1852.4	1	-0.0015	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1880.0	1	0.0030	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1907.6	1	0.0017	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1852.4	1	0.0078	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1880.0	1	-0.0001	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1907.6	1	0.0101	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1852.4	1	0.0043	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1880.0	1	-0.0031	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1907.6	1	0.0044	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1852.4	1	0.0039	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1880.0	1	-0.0033	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1907.6	1	-0.0026	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1852.4	1	0.0082	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1880.0	1	0.0112	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1907.6	1	0.0042	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1852.4	1	0.0047	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1880.0	1	0.0052	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1907.6	1	0.0069	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1852.4	1	-0.0016	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1880.0	1	0.0102	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1907.6	1	0.0105	-2.50	2.50	Pass
40	3.47	HSUPA	Band 2	1852.4	1	-0.0018	-2.50	2.50	Pass
40	3.47	HSUPA	Band 2	1880.0	1	0.0015	-2.50	2.50	Pass

40	3.47	HSUPA	Band 2	1907.6	1	0.0039	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1852.4	1	-0.0004	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1880.0	1	0.0074	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1907.6	1	0.0050	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1852.4	1	0.0047	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1880.0	1	0.0006	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1907.6	1	0.0099	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1852.4	1	-0.0021	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1880.0	1	0.0026	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1907.6	1	-0.0040	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1852.4	1	0.0027	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1880.0	1	-0.0029	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1907.6	1	0.0122	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1852.4	1	0.0012	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1880.0	1	0.0058	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1907.6	1	0.0055	-2.50	2.50	Pass