Appendix L: Test Data for E-UTRA Band 26-824-849

Product Name: 4G FIXED WIRELESS PHONE

Test Model: LS830

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

L.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	19.49	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	19.53	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	19.44	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	19.44	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	19.41	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	19.46	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	18.94	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	19.69	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	19.82	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	19.67	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	19.39	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	19.27	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	19.07	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	18.29	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	18.94	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	18.40	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	17.98	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	18.60	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	18.58	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	18.15	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	17.99	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	18.37	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	18.48	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	18.35	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	18.08	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	18.08	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	18.04	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	17.49	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	18.42	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	18.52	PASS

Band26	1.4MHz	16QAM	26915	1RB#5	18.37	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	18.11	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	17.86	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	17.81	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	17.15	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	17.92	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	17.76	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	17.54	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	17.32	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	17.33	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	17.26	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	16.61	PASS
Band26	3MHz	QPSK	26805	1RB#0	22.63	PASS
Band26	3MHz	QPSK	26805	1RB#8	22.70	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.87	PASS
Band26	3MHz	QPSK	26805	8RB#0	21.81	PASS
Band26	3MHz	QPSK	26805	8RB#4	21.82	PASS
Band26	3MHz	QPSK	26805	8RB#7	21.86	PASS
Band26	3MHz	QPSK	26805	15RB#0	21.82	PASS
Band26	3MHz	QPSK	26915	1RB#0	22.80	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.01	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.83	PASS
Band26	3MHz	QPSK	26915	8RB#0	21.96	PASS
Band26	3MHz	QPSK	26915	8RB#4	21.82	PASS
Band26	3MHz	QPSK	26915	8RB#7	21.94	PASS
Band26	3MHz	QPSK	26915	15RB#0	21.96	PASS
Band26	3MHz	QPSK	27025	1RB#0	22.75	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.51	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.76	PASS
Band26	3MHz	QPSK	27025	8RB#0	21.73	PASS
Band26	3MHz	QPSK	27025	8RB#4	21.75	PASS
Band26	3MHz	QPSK	27025	8RB#7	21.72	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.64	PASS
Band26	3MHz	16QAM	26805	1RB#0	21.70	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.17	PASS

Band26	3MHz	16QAM	26805	1RB#14	21.64	PASS
Band26	3MHz	16QAM	26805	8RB#0	20.98	PASS
Band26	3MHz	16QAM	26805	8RB#4	20.71	PASS
Band26	3MHz	16QAM	26805	8RB#7	20.95	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.68	PASS
Band26	3MHz	16QAM	26915	1RB#0	21.69	PASS
Band26	3MHz	16QAM	26915	1RB#8	21.85	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.57	PASS
Band26	3MHz	16QAM	26915	8RB#0	20.94	PASS
Band26	3MHz	16QAM	26915	8RB#4	20.70	PASS
Band26	3MHz	16QAM	26915	8RB#7	20.79	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.78	PASS
Band26	3MHz	16QAM	27025	1RB#0	21.61	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.41	PASS
Band26	3MHz	16QAM	27025	1RB#14	21.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	20.83	PASS
Band26	3MHz	16QAM	27025	8RB#4	20.79	PASS
Band26	3MHz	16QAM	27025	8RB#7	20.65	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.76	PASS
Band26	5MHz	QPSK	26815	1RB#0	22.70	PASS
Band26	5MHz	QPSK	26815	1RB#12	22.67	PASS
Band26	5MHz	QPSK	26815	1RB#24	22.61	PASS
Band26	5MHz	QPSK	26815	12RB#0	21.83	PASS
Band26	5MHz	QPSK	26815	12RB#6	21.82	PASS
Band26	5MHz	QPSK	26815	12RB#13	21.94	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.85	PASS
Band26	5MHz	QPSK	26915	1RB#0	22.81	PASS
Band26	5MHz	QPSK	26915	1RB#12	22.85	PASS
Band26	5MHz	QPSK	26915	1RB#24	22.75	PASS
Band26	5MHz	QPSK	26915	12RB#0	22.05	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.00	PASS
Band26	5MHz	QPSK	26915	12RB#13	21.88	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.94	PASS
Band26	5MHz	QPSK	27015	1RB#0	22.71	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.80	PASS

Band26	5MHz	QPSK	27015	1RB#24	22.68	PASS
Band26	5MHz	QPSK	27015	12RB#0	21.92	PASS
Band26	5MHz	QPSK	27015	12RB#6	21.88	PASS
Band26	5MHz	QPSK	27015	12RB#13	21.88	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.79	PASS
Band26	5MHz	16QAM	26815	1RB#0	21.22	PASS
Band26	5MHz	16QAM	26815	1RB#12	21.35	PASS
Band26	5MHz	16QAM	26815	1RB#24	21.61	PASS
Band26	5MHz	16QAM	26815	12RB#0	20.66	PASS
Band26	5MHz	16QAM	26815	12RB#6	20.87	PASS
Band26	5MHz	16QAM	26815	12RB#13	20.86	PASS
Band26	5MHz	16QAM	26815	25RB#0	20.73	PASS
Band26	5MHz	16QAM	26915	1RB#0	21.82	PASS
Band26	5MHz	16QAM	26915	1RB#12	21.91	PASS
Band26	5MHz	16QAM	26915	1RB#24	21.76	PASS
Band26	5MHz	16QAM	26915	12RB#0	20.92	PASS
Band26	5MHz	16QAM	26915	12RB#6	20.98	PASS
Band26	5MHz	16QAM	26915	12RB#13	20.91	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.02	PASS
Band26	5MHz	16QAM	27015	1RB#0	21.66	PASS
Band26	5MHz	16QAM	27015	1RB#12	21.86	PASS
Band26	5MHz	16QAM	27015	1RB#24	21.68	PASS
Band26	5MHz	16QAM	27015	12RB#0	20.78	PASS
Band26	5MHz	16QAM	27015	12RB#6	20.94	PASS
Band26	5MHz	16QAM	27015	12RB#13	20.95	PASS
Band26	5MHz	16QAM	27015	25RB#0	20.77	PASS
Band26	10MHz	QPSK	26840	1RB#0	22.77	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.18	PASS
Band26	10MHz	QPSK	26840	1RB#49	22.81	PASS
Band26	10MHz	QPSK	26840	25RB#0	22.23	PASS
Band26	10MHz	QPSK	26840	25RB#12	22.23	PASS
Band26	10MHz	QPSK	26840	25RB#25	22.23	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.24	PASS
Band26	10MHz	QPSK	26915	1RB#0	22.89	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.24	PASS

Band26	10MHz	QPSK	26915	1RB#49	22.70	PASS
Band26	10MHz	QPSK	26915	25RB#0	22.19	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.17	PASS
Band26	10MHz	QPSK	26915	25RB#25	22.07	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.15	PASS
Band26	10MHz	QPSK	26990	1RB#0	22.89	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.28	PASS
Band26	10MHz	QPSK	26990	1RB#49	22.60	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.02	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.01	PASS
Band26	10MHz	QPSK	26990	25RB#25	22.13	PASS
Band26	10MHz	QPSK	26990	50RB#0	22.02	PASS
Band26	10MHz	16QAM	26840	1RB#0	21.89	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.61	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.00	PASS
Band26	10MHz	16QAM	26840	25RB#0	21.26	PASS
Band26	10MHz	16QAM	26840	25RB#12	21.18	PASS
Band26	10MHz	16QAM	26840	25RB#25	21.19	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.02	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.10	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.35	PASS
Band26	10MHz	16QAM	26915	1RB#49	21.92	PASS
Band26	10MHz	16QAM	26915	25RB#0	21.07	PASS
Band26	10MHz	16QAM	26915	25RB#12	21.14	PASS
Band26	10MHz	16QAM	26915	25RB#25	21.03	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.12	PASS
Band26	10MHz	16QAM	26990	1RB#0	21.96	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.24	PASS
Band26	10MHz	16QAM	26990	1RB#49	21.42	PASS
Band26	10MHz	16QAM	26990	25RB#0	21.03	PASS
Band26	10MHz	16QAM	26990	25RB#12	21.02	PASS
Band26	10MHz	16QAM	26990	25RB#25	21.00	PASS
Band26	10MHz	16QAM	26990	50RB#0	20.78	PASS
Band26	15MHz	QPSK	26865	1RB#0	22.79	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.20	PASS

Band26	15MHz	QPSK	26865	1RB#74	22.80	PASS
Band26	15MHz	QPSK	26865	38RB#0	21.77	PASS
Band26	15MHz	QPSK	26865	38RB#18	22.27	PASS
Band26	15MHz	QPSK	26865	38RB#37	21.90	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.16	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.02	PASS
Band26	15MHz	QPSK	26915	1RB#38	22.83	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.61	PASS
Band26	15MHz	QPSK	26915	38RB#0	22.30	PASS
Band26	15MHz	QPSK	26915	38RB#18	22.10	PASS
Band26	15MHz	QPSK	26915	38RB#37	21.74	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.15	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.95	PASS
Band26	15MHz	QPSK	26965	1RB#38	22.89	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.49	PASS
Band26	15MHz	QPSK	26965	38RB#0	22.03	PASS
Band26	15MHz	QPSK	26965	38RB#18	22.04	PASS
Band26	15MHz	QPSK	26965	38RB#37	21.69	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.07	PASS
Band26	15MHz	16QAM	26865	1RB#0	21.94	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.24	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.03	PASS
Band26	15MHz	16QAM	26865	38RB#0	21.81	PASS
Band26	15MHz	16QAM	26865	38RB#18	22.11	PASS
Band26	15MHz	16QAM	26865	38RB#37	22.16	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.03	PASS
Band26	15MHz	16QAM	26915	1RB#0	21.97	PASS
Band26	15MHz	16QAM	26915	1RB#38	21.85	PASS
Band26	15MHz	16QAM	26915	1RB#74	21.85	PASS
Band26	15MHz	16QAM	26915	38RB#0	22.19	PASS
Band26	15MHz	16QAM	26915	38RB#18	21.89	PASS
Band26	15MHz	16QAM	26915	38RB#37	21.77	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.02	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.01	PASS
Band26	15MHz	16QAM	26965	1RB#38	21.81	PASS

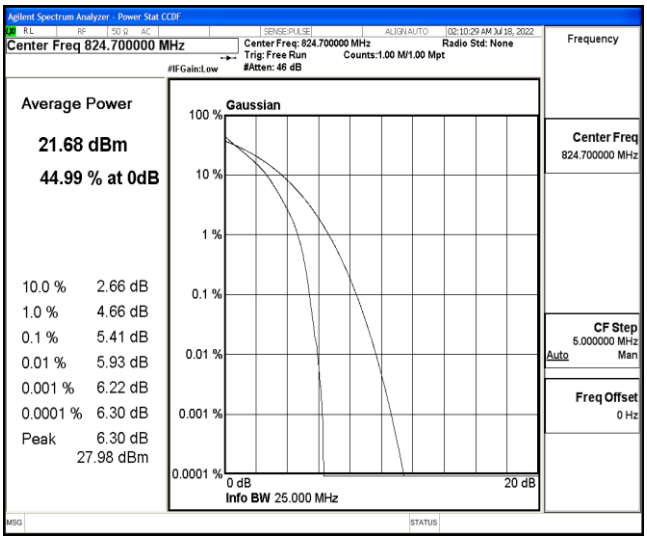
Band26	15MHz	16QAM	26965	1RB#74	21.63	PASS
Band26	15MHz	16QAM	26965	38RB#0	22.08	PASS
Band26	15MHz	16QAM	26965	38RB#18	21.92	PASS
Band26	15MHz	16QAM	26965	38RB#37	21.70	PASS
Band26	15MHz	16QAM	26965	75RB#0	20.99	PASS

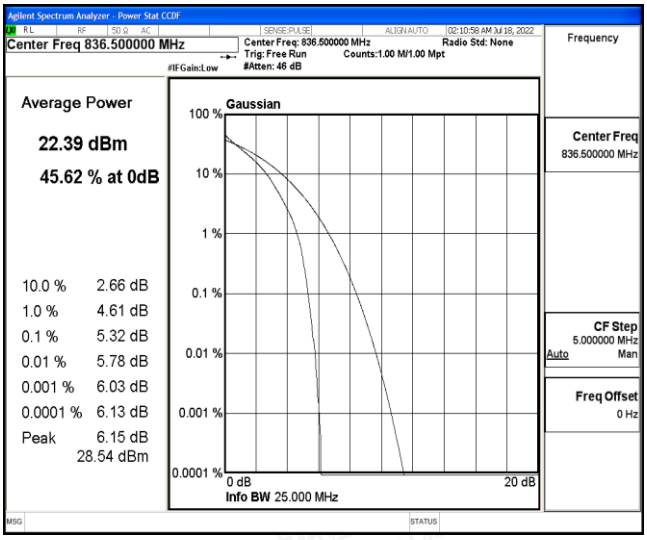
L.2 Peak-to-Average Ratio (CCDF)

Test Result

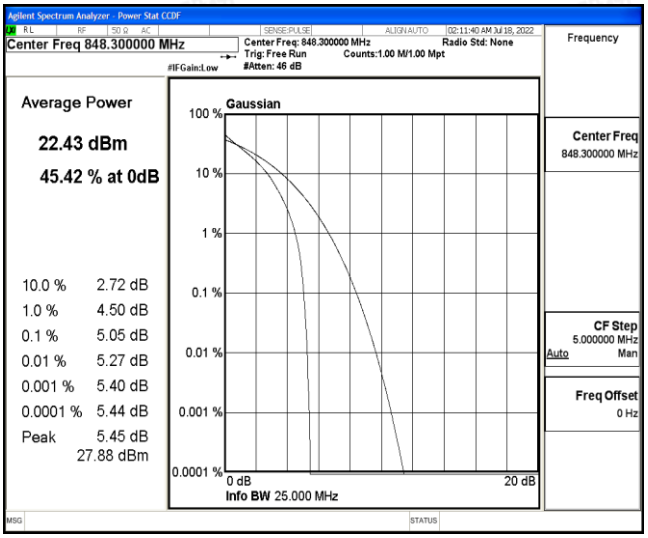
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	5.41	13	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	5.32	13	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	5.05	13	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	6.26	13	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	6.18	13	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	5.88	13	PASS
Band26	3MHz	QPSK	26805	15RB#0	5.41	13	PASS
Band26	3MHz	QPSK	26915	15RB#0	5.27	13	PASS
Band26	3MHz	QPSK	27025	15RB#0	4.85	13	PASS
Band26	3MHz	16QAM	26805	15RB#0	6.23	13	PASS
Band26	3MHz	16QAM	26915	15RB#0	6.17	13	PASS
Band26	3MHz	16QAM	27025	15RB#0	5.74	13	PASS
Band26	5MHz	QPSK	26815	25RB#0	5.18	13	PASS
Band26	5MHz	QPSK	26915	25RB#0	5.12	13	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.89	13	PASS
Band26	5MHz	16QAM	26815	25RB#0	6.04	13	PASS
Band26	5MHz	16QAM	26915	25RB#0	6.05	13	PASS
Band26	5MHz	16QAM	27015	25RB#0	5.68	13	PASS
Band26	10MHz	QPSK	26840	50RB#0	5.12	13	PASS
Band26	10MHz	QPSK	26915	50RB#0	5.15	13	PASS
Band26	10MHz	QPSK	26990	50RB#0	4.92	13	PASS
Band26	10MHz	16QAM	26840	50RB#0	5.95	13	PASS
Band26	10MHz	16QAM	26915	50RB#0	5.96	13	PASS
Band26	10MHz	16QAM	26990	50RB#0	5.83	13	PASS
Band26	15MHz	QPSK	26865	75RB#0	5.30	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	5.36	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	5.21	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	6.08	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	6.07	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.98	13	PASS

Test Graphs

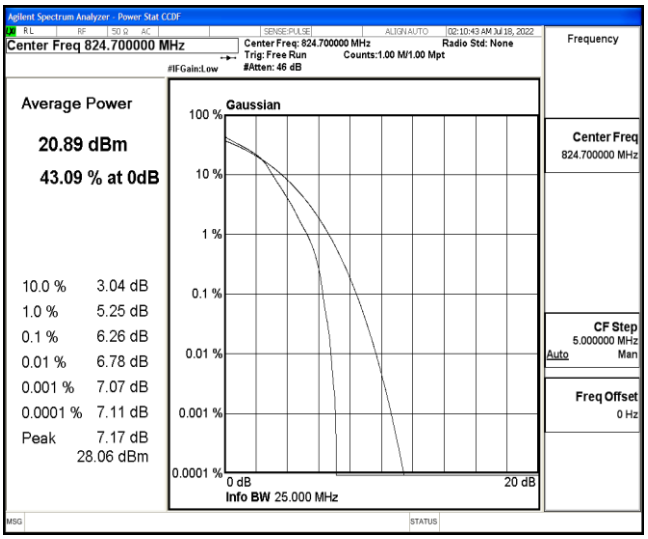
Band26-1.4MHz-QPSK-26797-6RB#0


Band26-1.4MHz-QPSK-26915-6RB#0


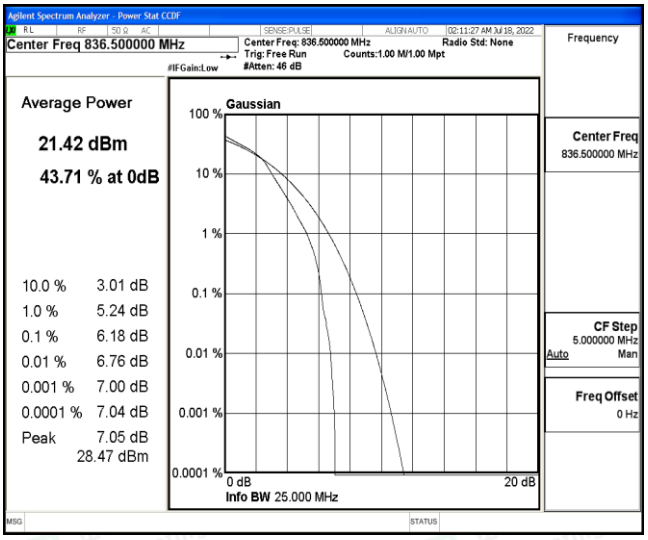
Band26-1.4MHz-QPSK-27033-6RB#0



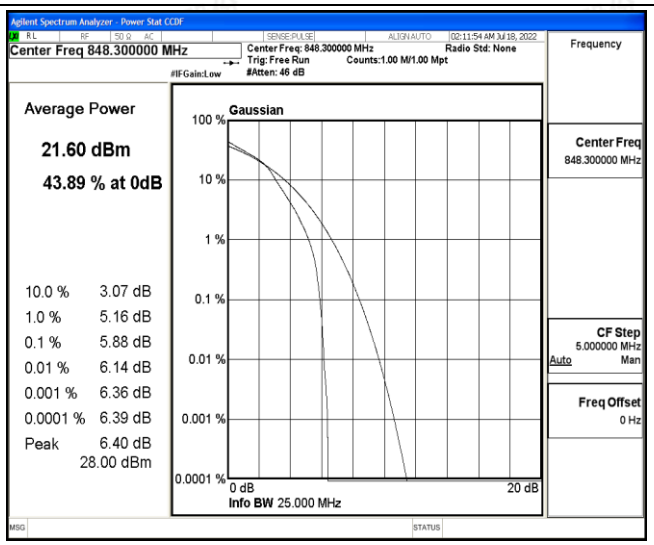
Band26-1.4MHz-16QAM-26797-6RB#0



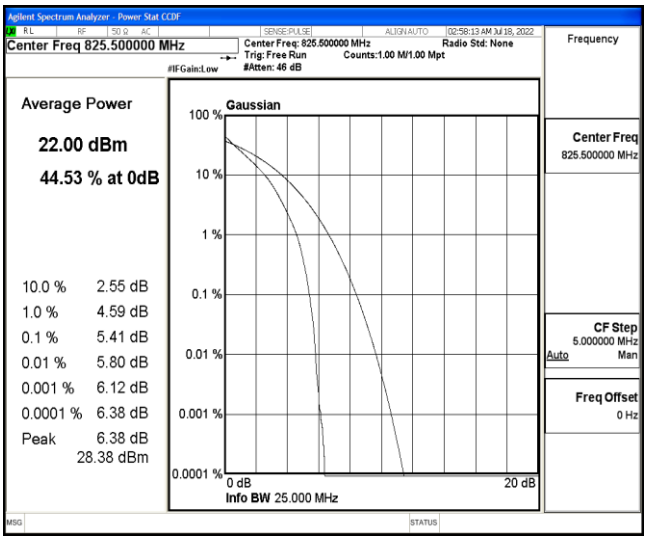
Band26-1.4MHz-16QAM-26915-6RB#0



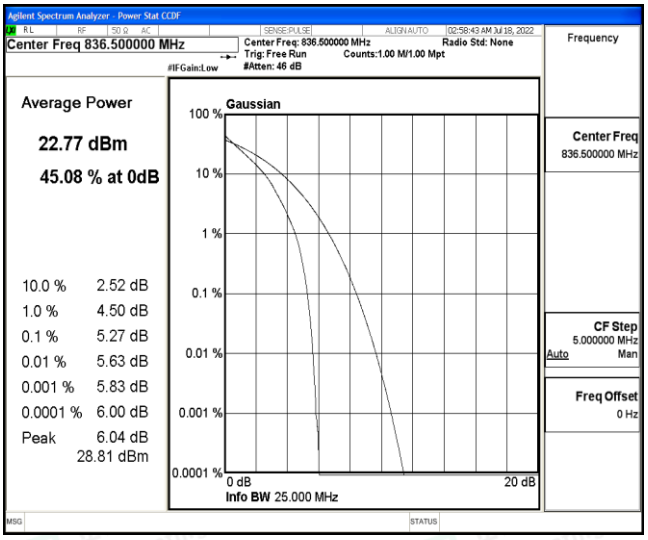
Band26-1.4MHz-16QAM-27033-6RB#0



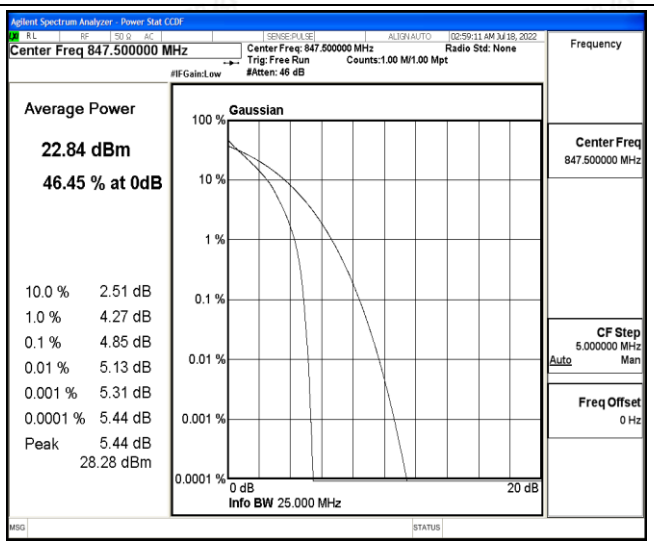
Band26-3MHz-QPSK-26805-15RB#0



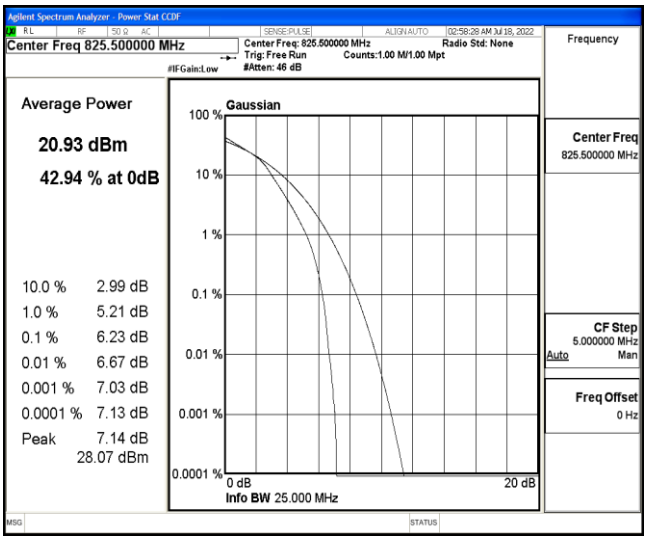
Band26-3MHz-QPSK-26915-15RB#0



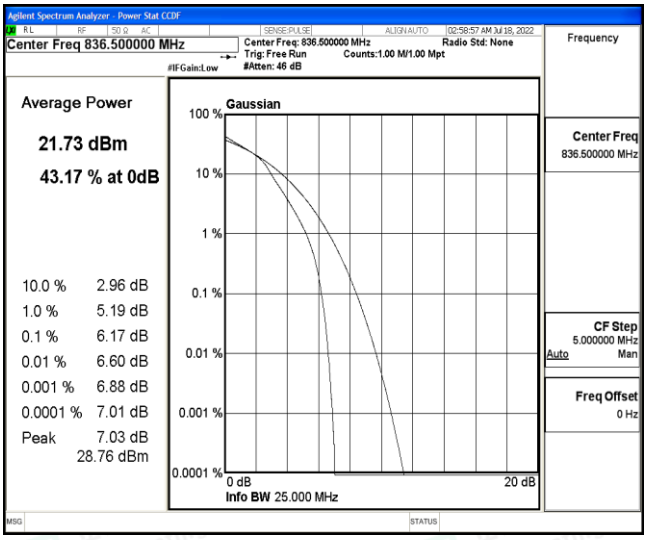
Band26-3MHz-QPSK-27025-15RB#0



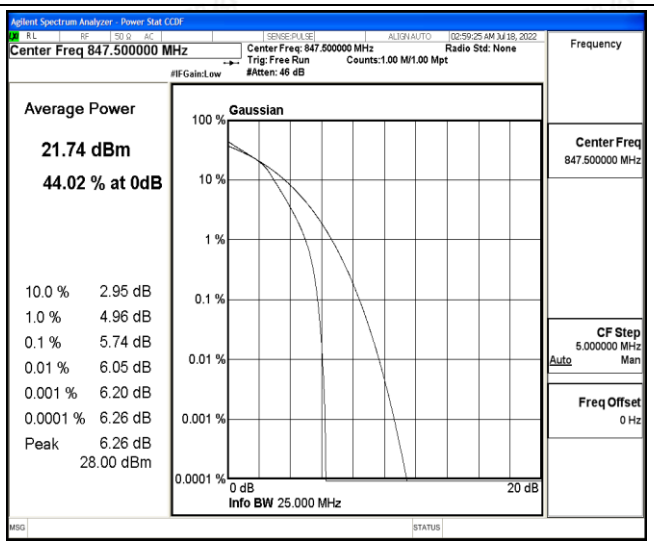
Band26-3MHz-16QAM-26805-15RB#0



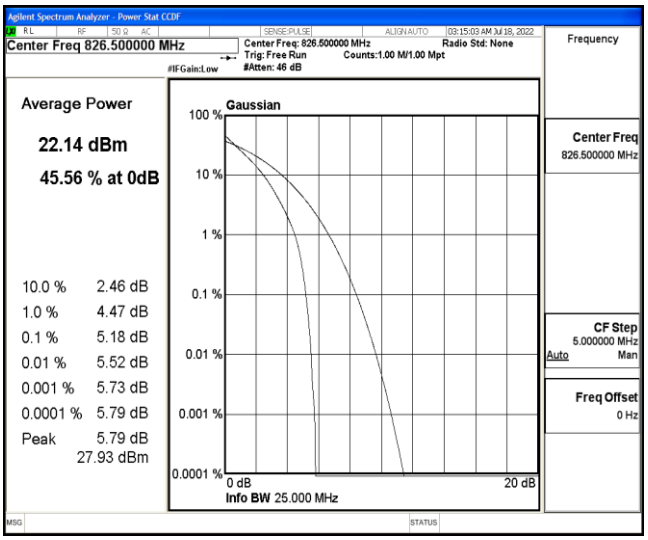
Band26-3MHz-16QAM-26915-15RB#0



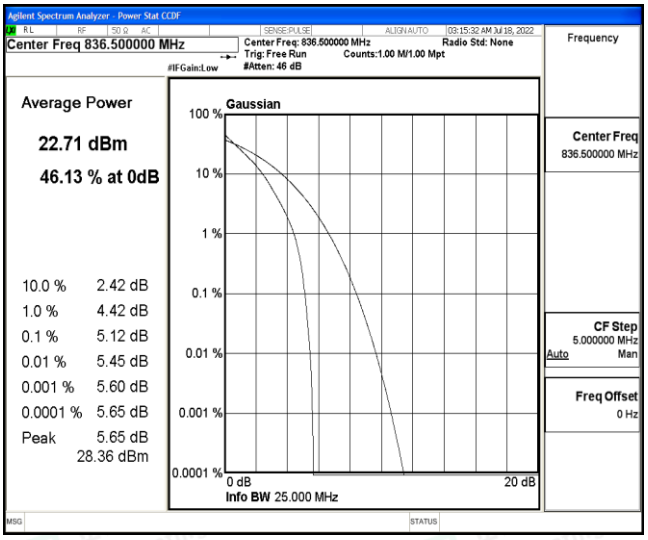
Band26-3MHz-16QAM-27025-15RB#0



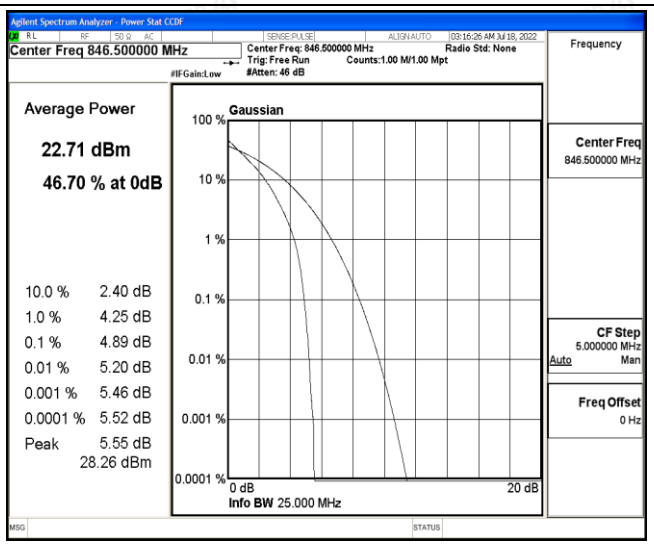
Band26-5MHz-QPSK-26815-25RB#0



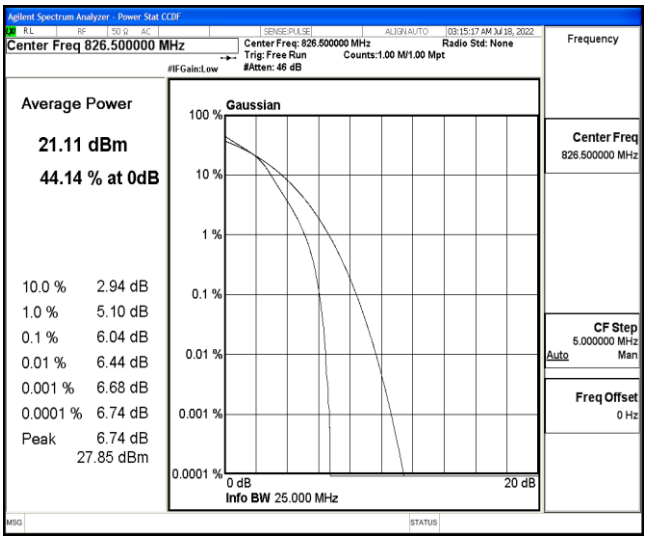
Band26-5MHz-QPSK-26915-25RB#0



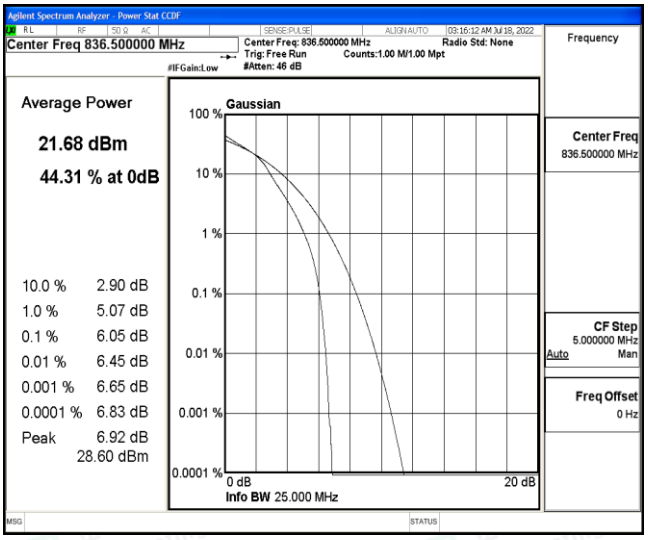
Band26-5MHz-QPSK-27015-25RB#0



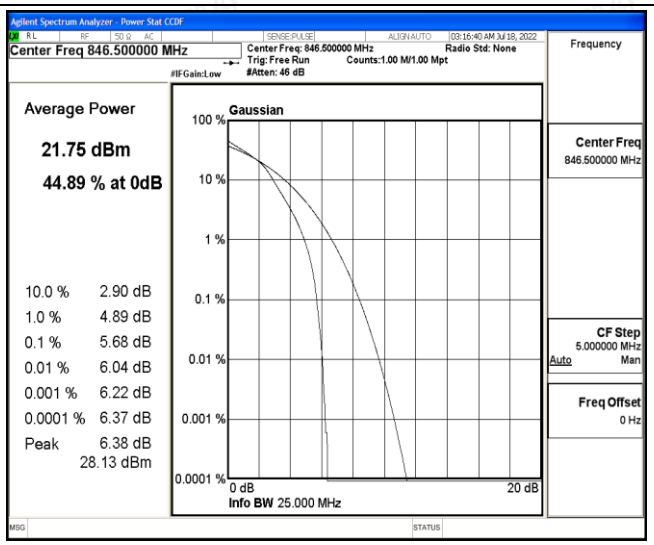
Band26-5MHz-16QAM-26815-25RB#0



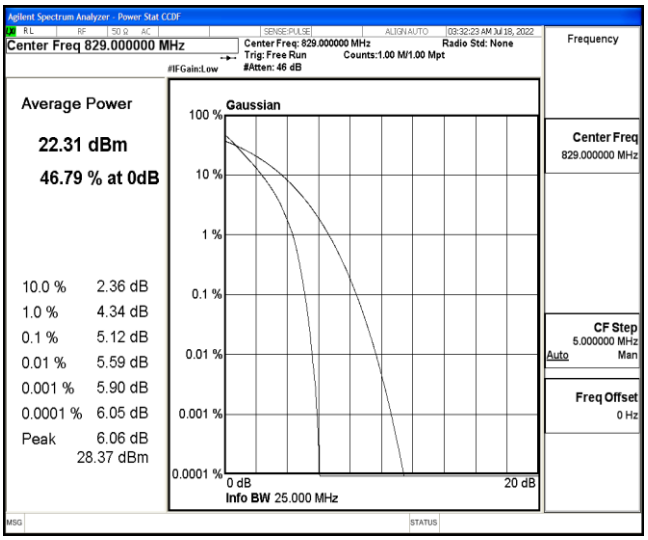
Band26-5MHz-16QAM-26915-25RB#0



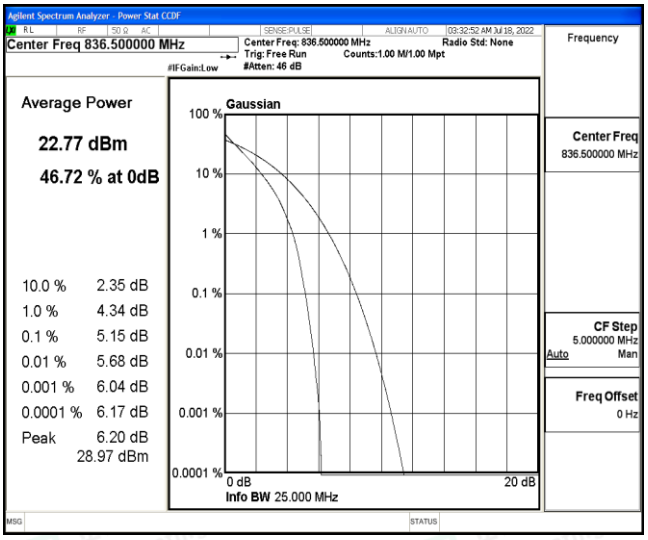
Band26-5MHz-16QAM-27015-25RB#0



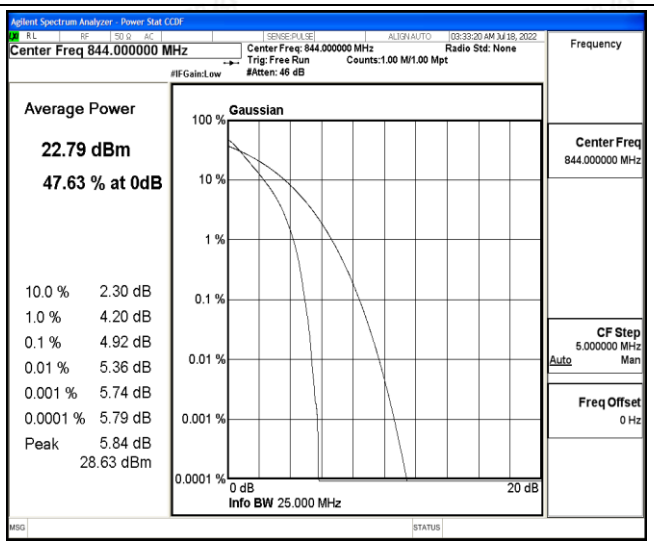
Band26-10MHz-QPSK-26840-50RB#0



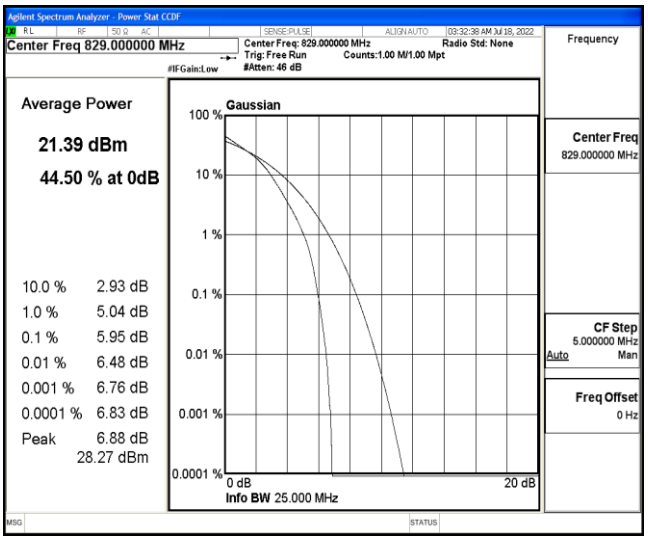
Band26-10MHz-QPSK-26915-50RB#0



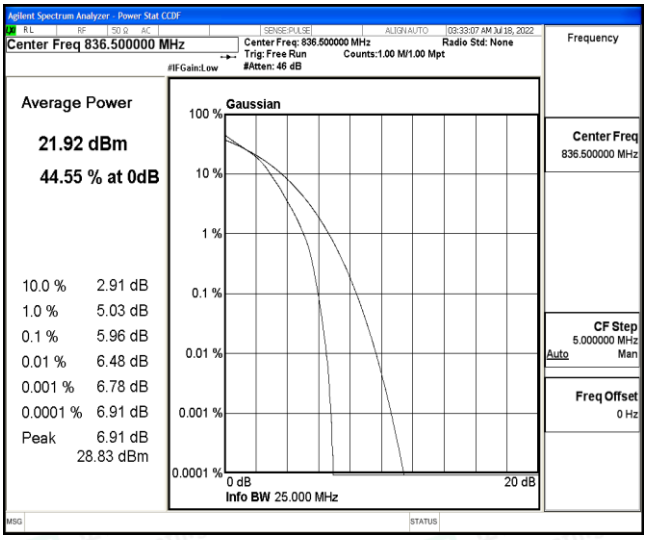
Band26-10MHz-QPSK-26990-50RB#0



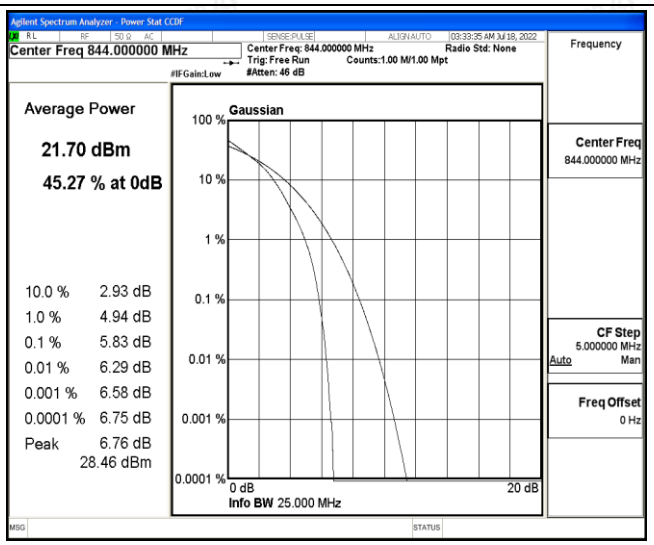
Band26-10MHz-16QAM-26840-50RB#0



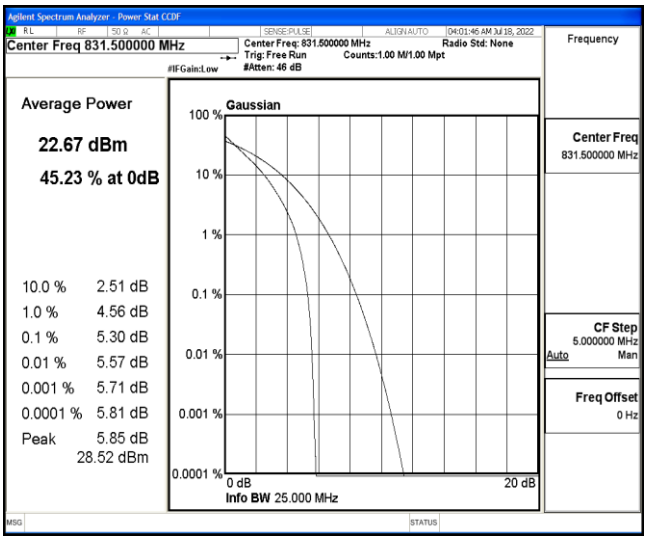
Band26-10MHz-16QAM-26915-50RB#0



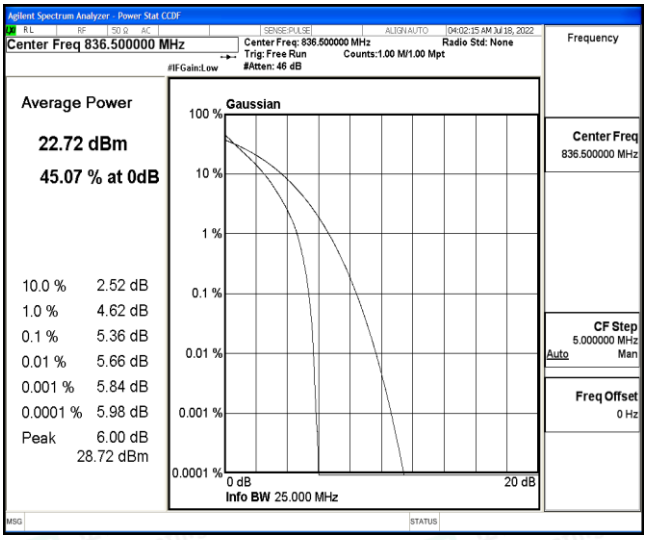
Band26-10MHz-16QAM-26990-50RB#0



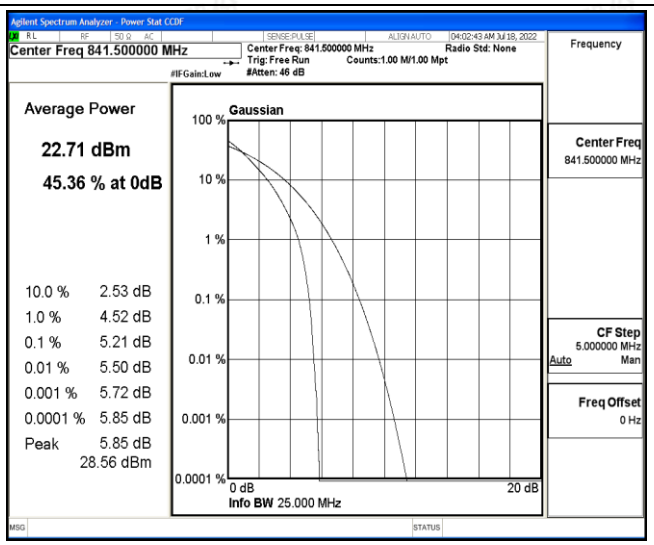
Band26-15MHz-QPSK-26865-75RB#0



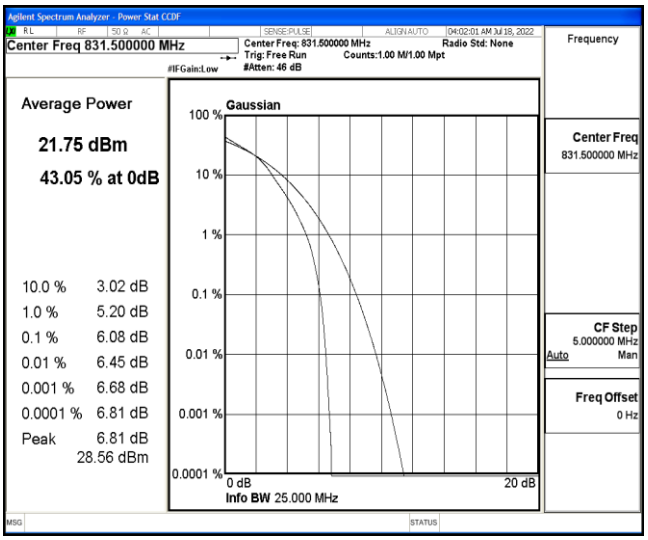
Band26-15MHz-QPSK-26915-75RB#0



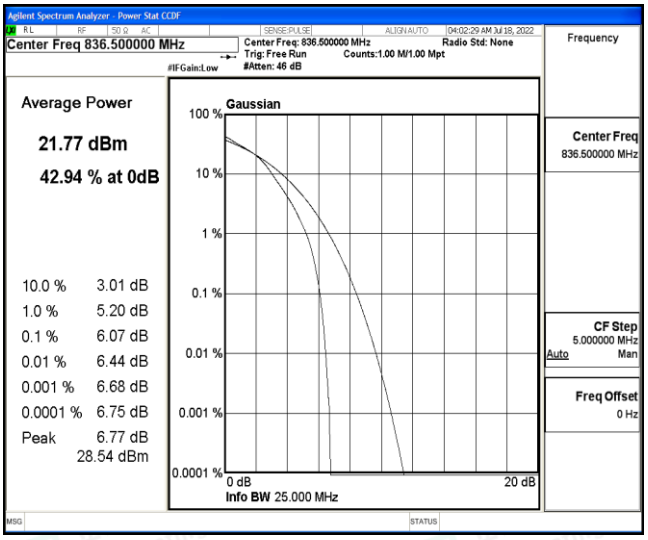
Band26-15MHz-QPSK-26965-75RB#0



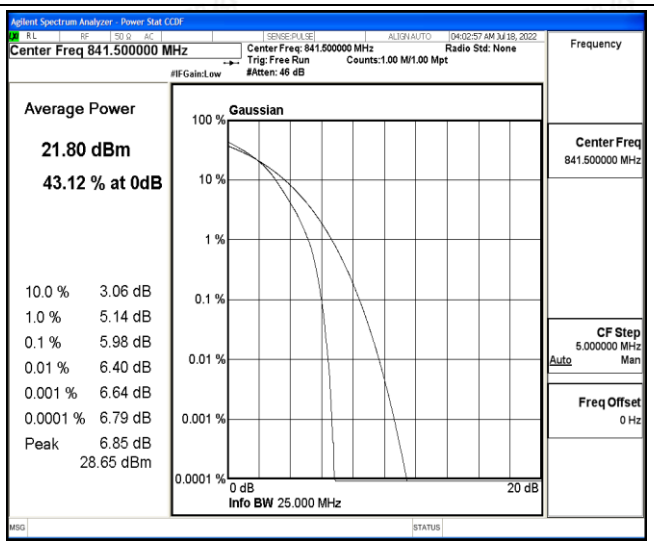
Band26-15MHz-16QAM-26865-75RB#0



Band26-15MHz-16QAM-26915-75RB#0



Band26-15MHz-16QAM-26965-75RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 841.500000 MHz
Center Freq: 841.500000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.80 dBm
43.12 % at 0dB
10.0 % 3.06 dB
1.0 % 5.14 dB
0.1 % 5.98 dB
0.01 % 6.40 dB
0.001 % 6.64 dB
0.0001 % 6.79 dB
Peak 6.85 dB
28.65 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
841.500000 MHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

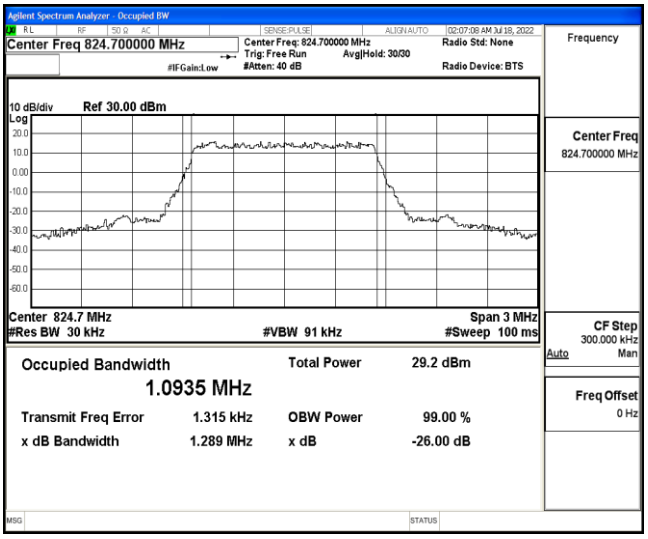
L.3 26dB Bandwidth and Occupied Bandwidth

Test Result

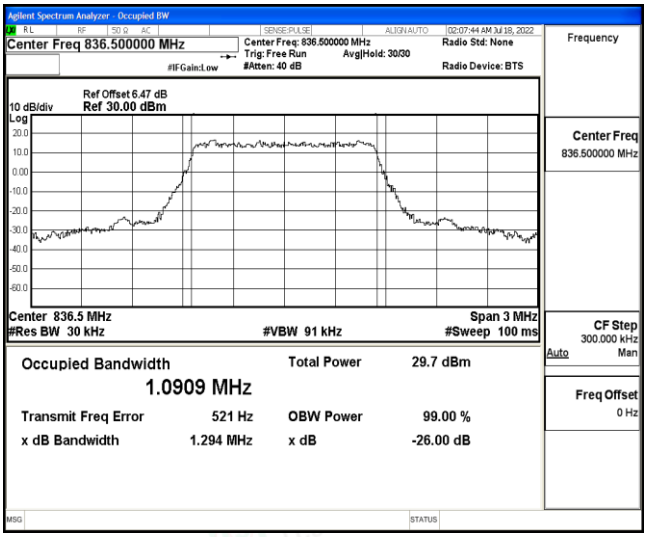
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.0935	1.289	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.0909	1.294	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.0951	1.274	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.1001	1.302	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.0982	1.273	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.0880	1.263	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.6991	2.965	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.6993	2.965	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.6959	2.970	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.6855	2.961	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.6846	2.947	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.6917	2.956	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.5059	5.023	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.5047	5.011	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.5018	4.974	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.5113	4.980	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.5062	4.971	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.5054	5.024	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.9836	9.886	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.9757	9.942	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.9649	9.797	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.9736	9.868	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.9492	9.859	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.9598	9.858	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.455	14.62	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.442	14.77	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.438	14.72	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.445	14.56	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.409	14.53	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.385	14.54	PASS

Test Graphs

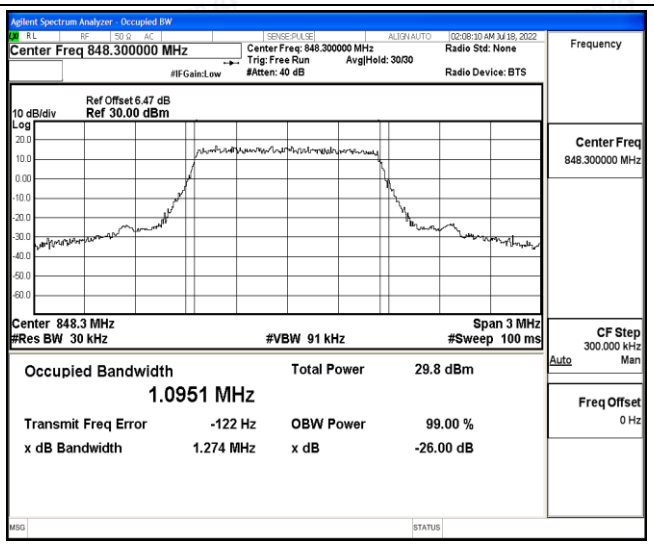
Band26-1.4MHz-QPSK-26797-6RB#0



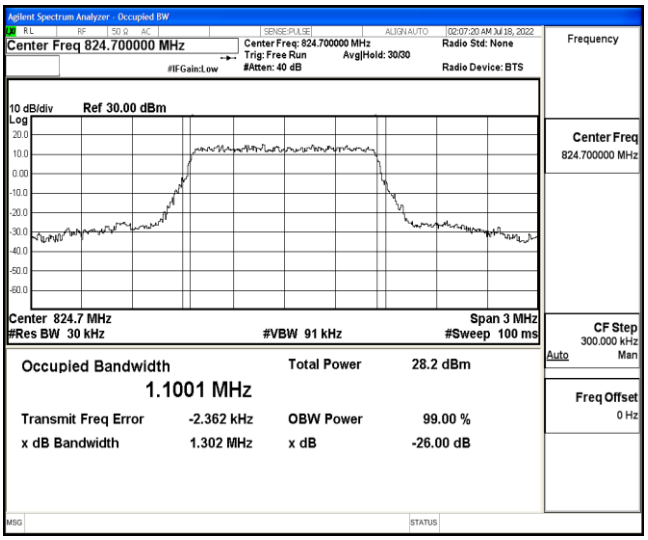
Band26-1.4MHz-QPSK-26915-6RB#0



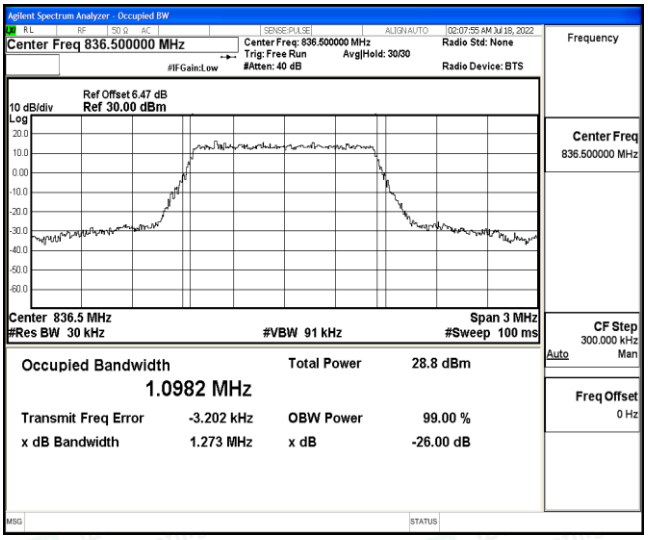
Band26-1.4MHz-QPSK-27033-6RB#0



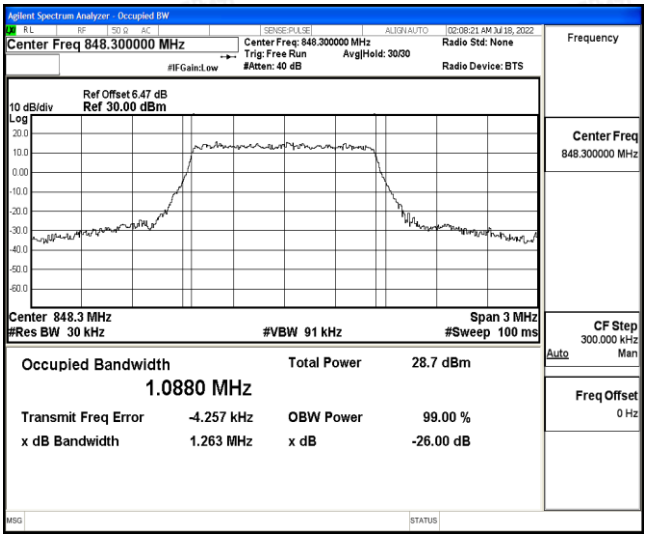
Band26-1.4MHz-16QAM-26797-6RB#0



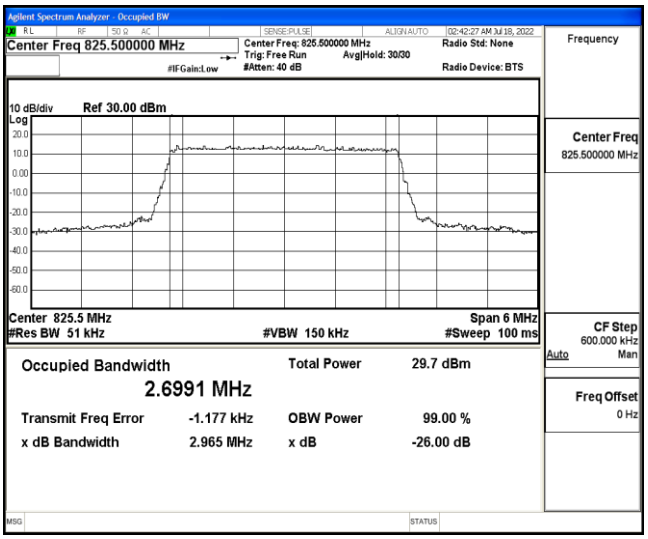
Band26-1.4MHz-16QAM-26915-6RB#0



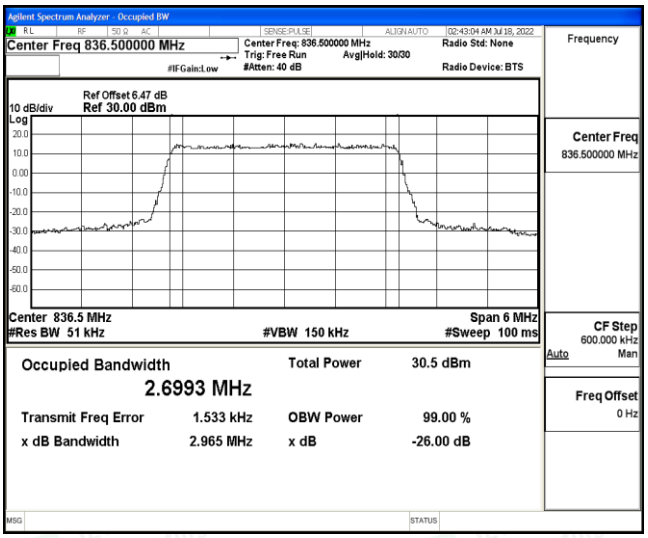
Band26-1.4MHz-16QAM-27033-6RB#0



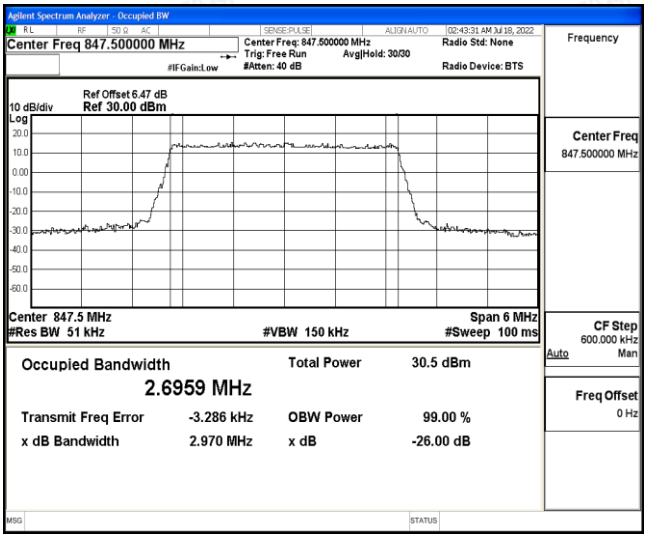
Band26-3MHz-QPSK-26805-15RB#0



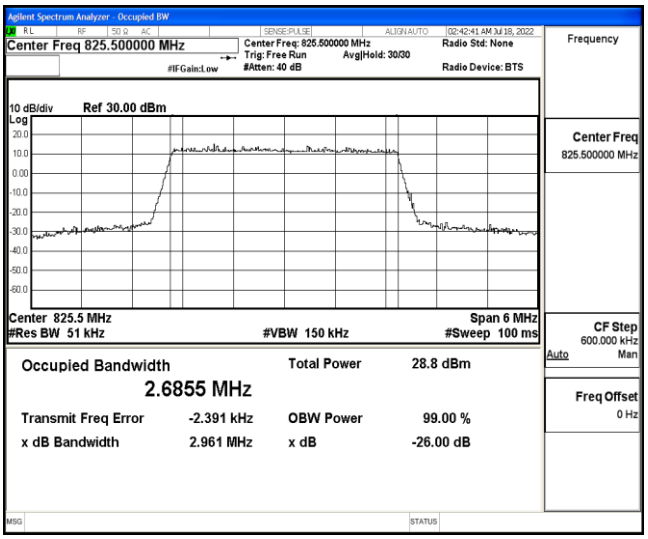
Band26-3MHz-QPSK-26915-15RB#0



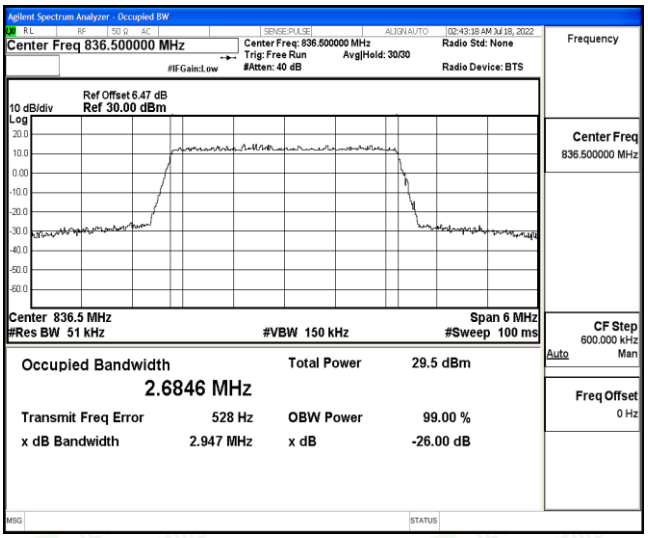
Band26-3MHz-QPSK-27025-15RB#0



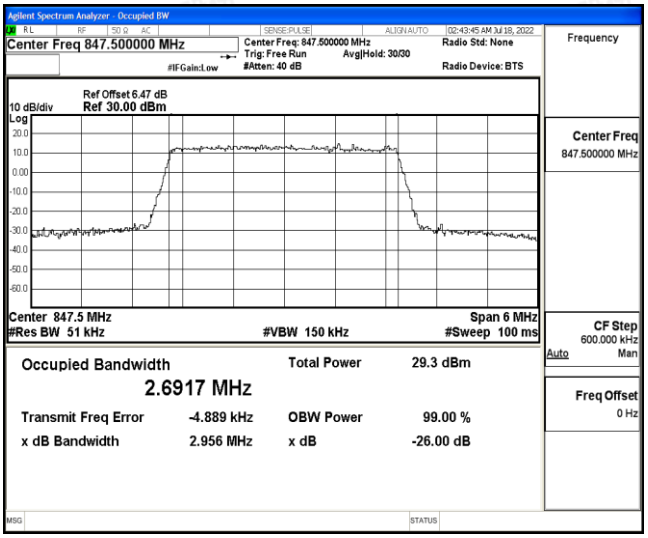
Band26-3MHz-16QAM-26805-15RB#0



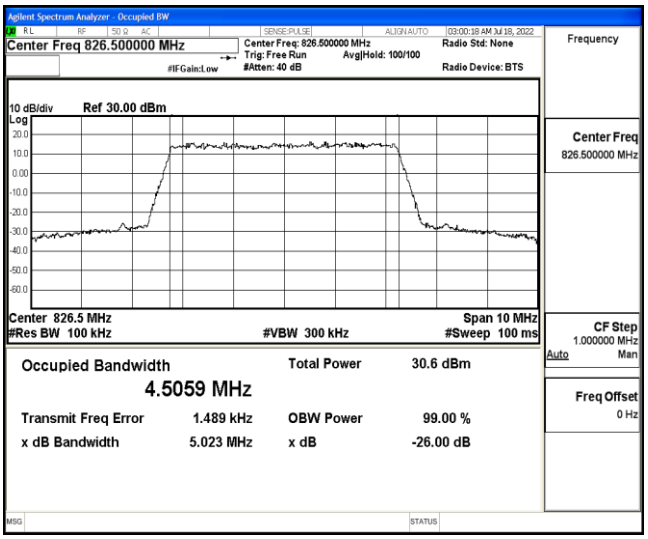
Band26-3MHz-16QAM-26915-15RB#0



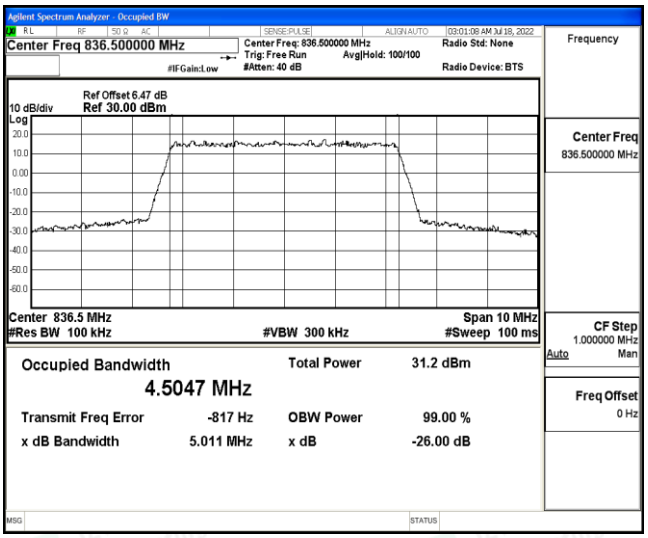
Band26-3MHz-16QAM-27025-15RB#0



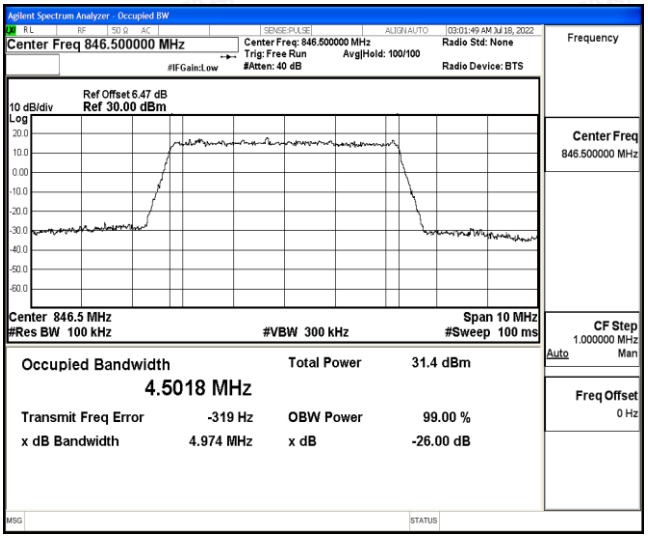
Band26-5MHz-QPSK-26815-25RB#0



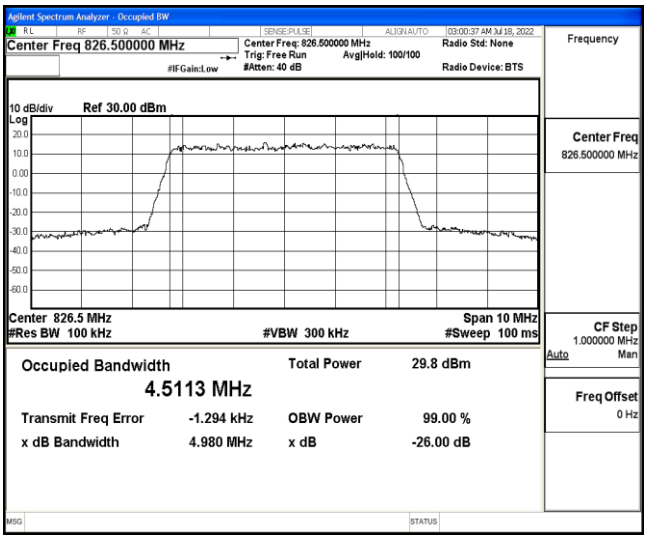
Band26-5MHz-QPSK-26915-25RB#0



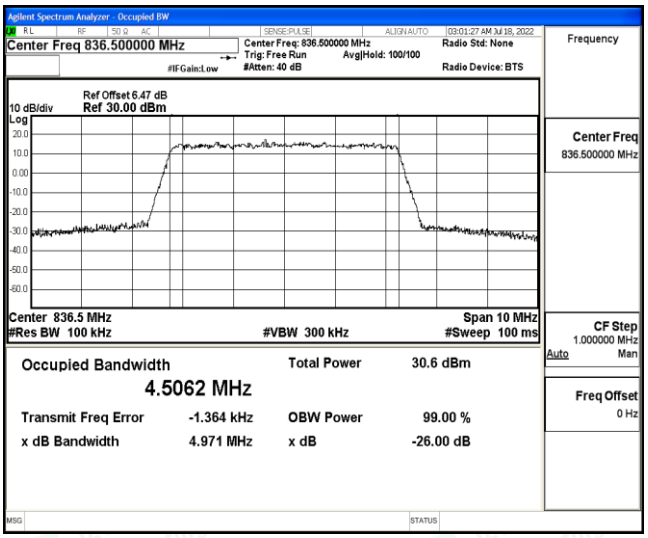
Band26-5MHz-QPSK-27015-25RB#0



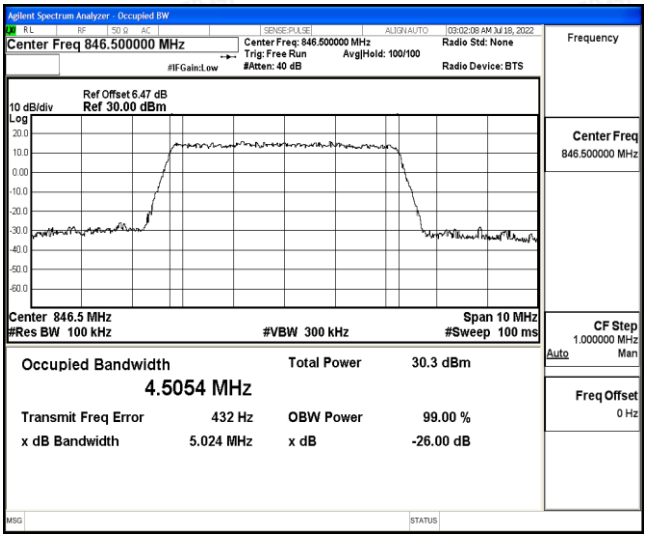
Band26-5MHz-16QAM-26815-25RB#0



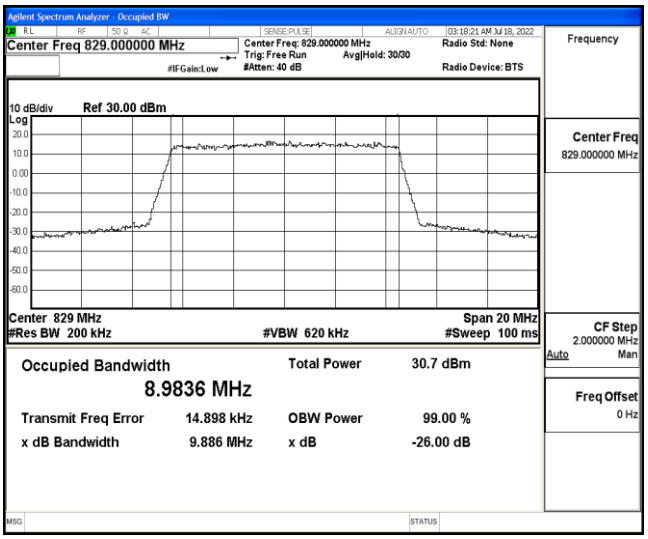
Band26-5MHz-16QAM-26915-25RB#0



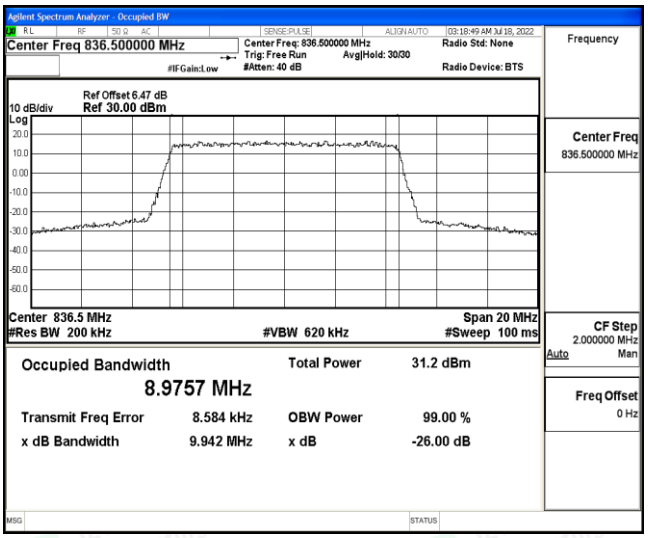
Band26-5MHz-16QAM-27015-25RB#0



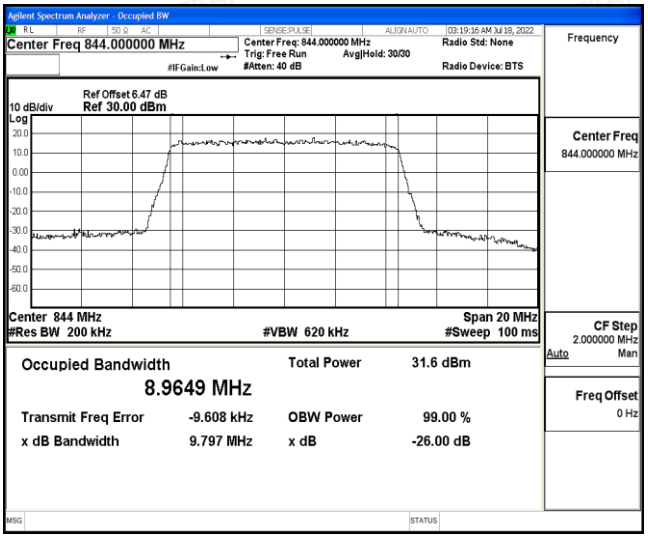
Band26-10MHz-QPSK-26840-50RB#0



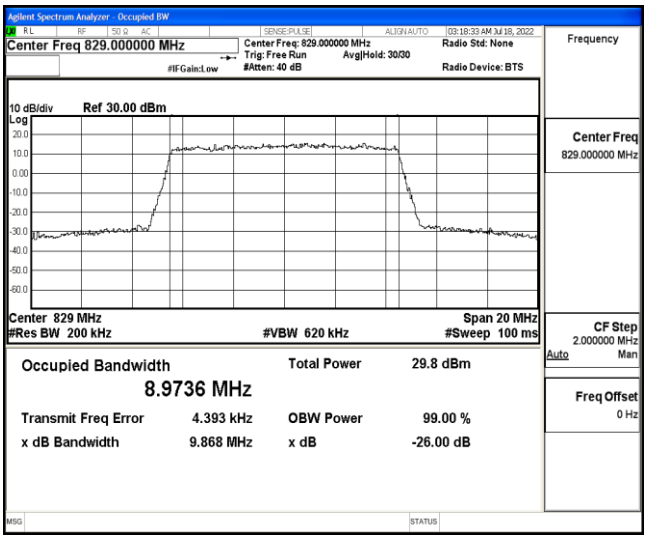
Band26-10MHz-QPSK-26915-50RB#0



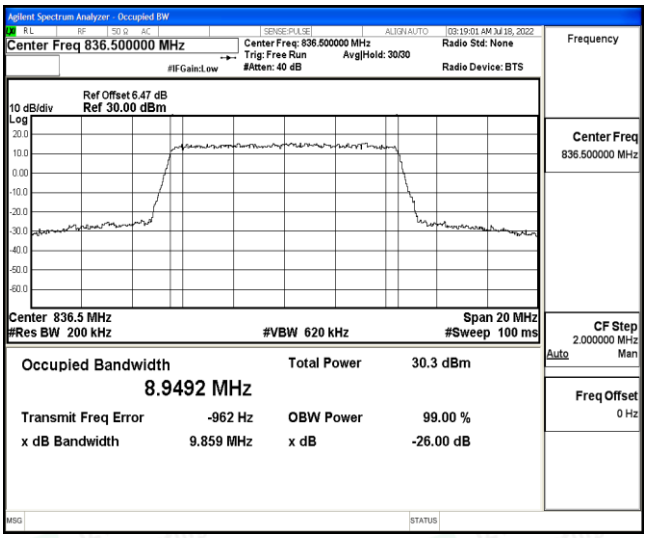
Band26-10MHz-QPSK-26990-50RB#0



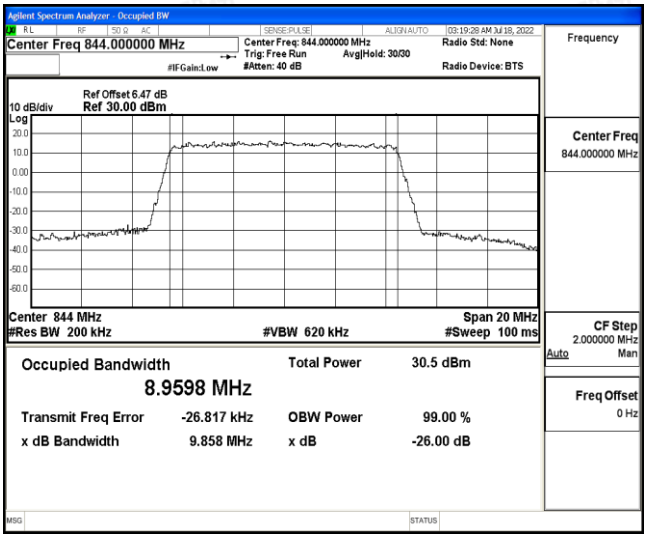
Band26-10MHz-16QAM-26840-50RB#0



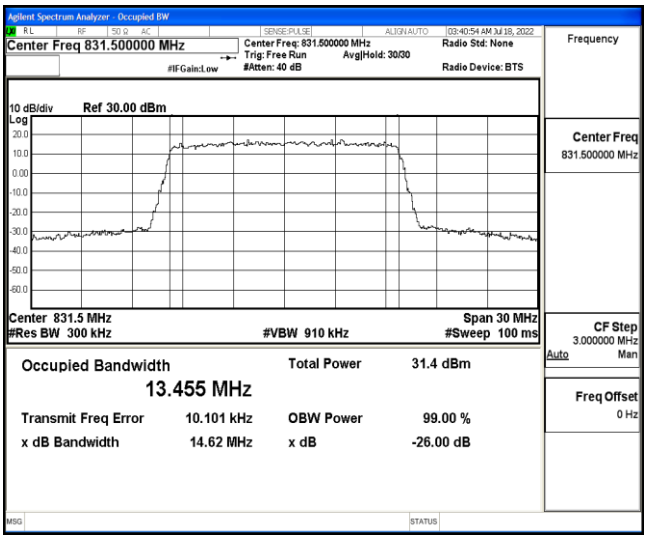
Band26-10MHz-16QAM-26915-50RB#0



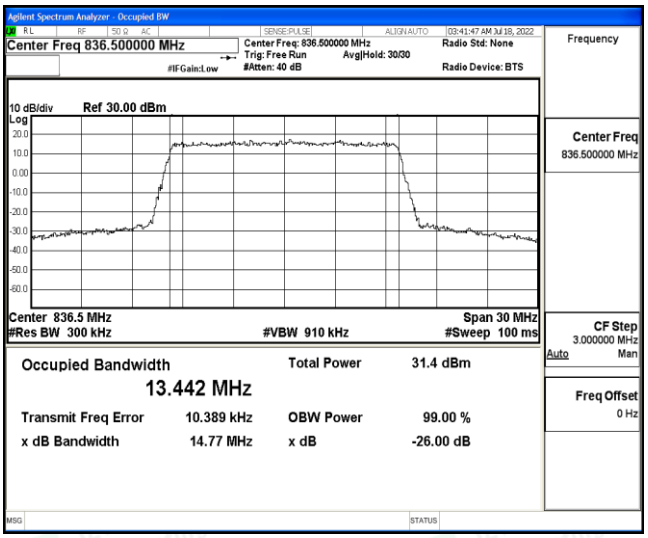
Band26-10MHz-16QAM-26990-50RB#0



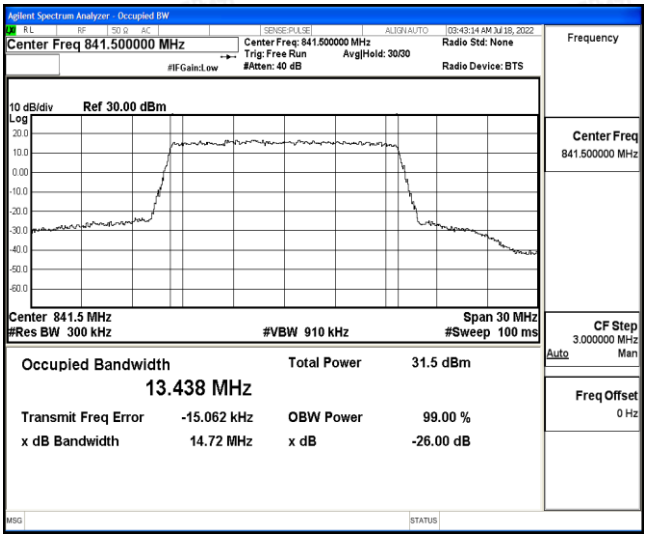
Band26-15MHz-QPSK-26865-75RB#0



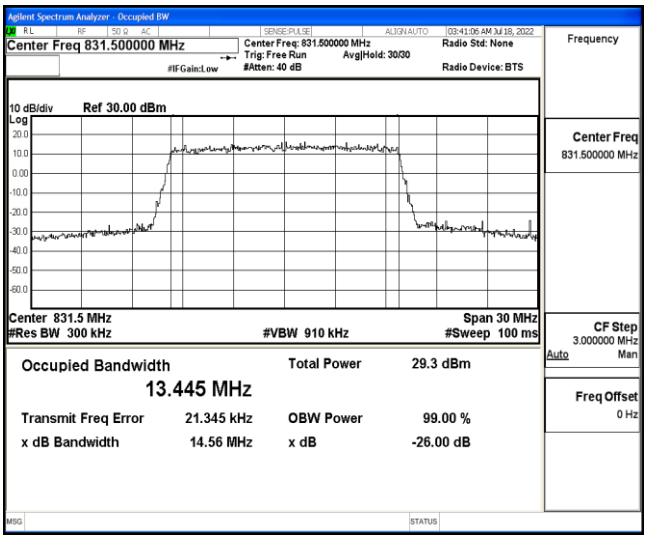
Band26-15MHz-QPSK-26915-75RB#0



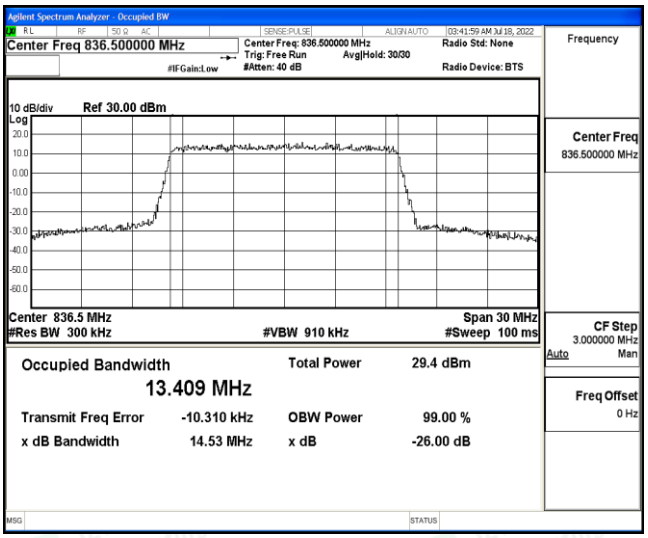
Band26-15MHz-QPSK-26965-75RB#0



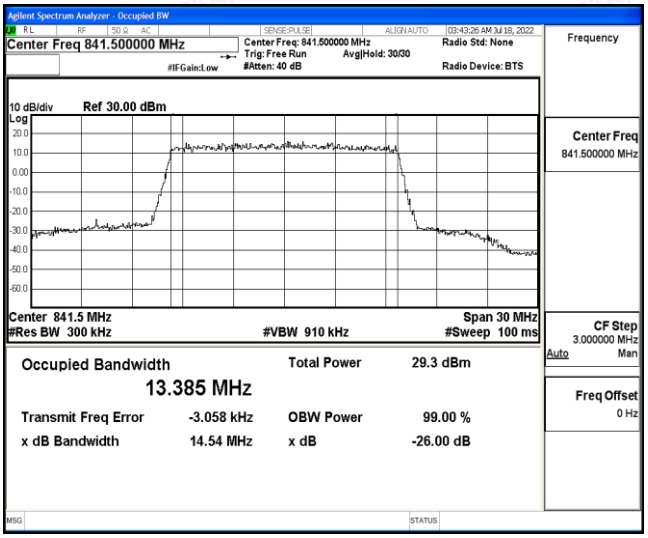
Band26-15MHz-16QAM-26865-75RB#0



Band26-15MHz-16QAM-26915-75RB#0



Band26-15MHz-16QAM-26965-75RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 841.500000 MHz
Center Freq: 841.500000 MHz
Trig: Free Run
Avg|Hold: 30/30
#IFGain:Low
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
Center Freq
841.500000 MHz
Center 841.5 MHz
#Res BW 300 kHz
#VBW 910 kHz
Span 30 MHz
#Sweep 100 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
13.385 MHz
Total Power 29.3 dBm
Transmit Freq Error -3.058 kHz
OBW Power 99.00 %
x dB Bandwidth 14.54 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

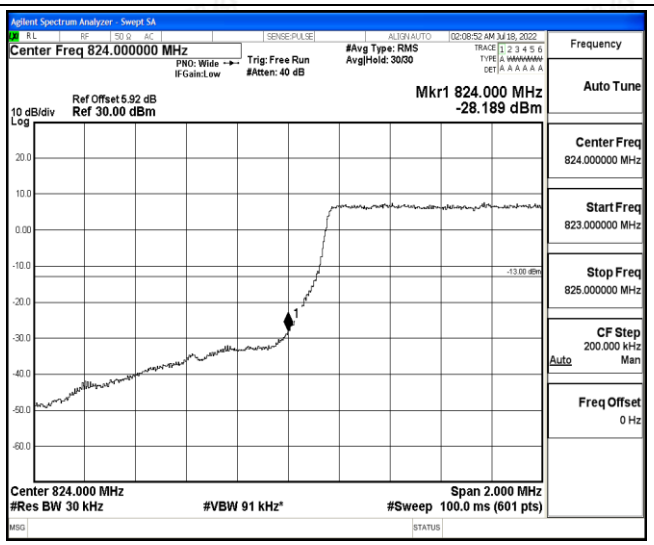
L.4 Band Edge

Test Result

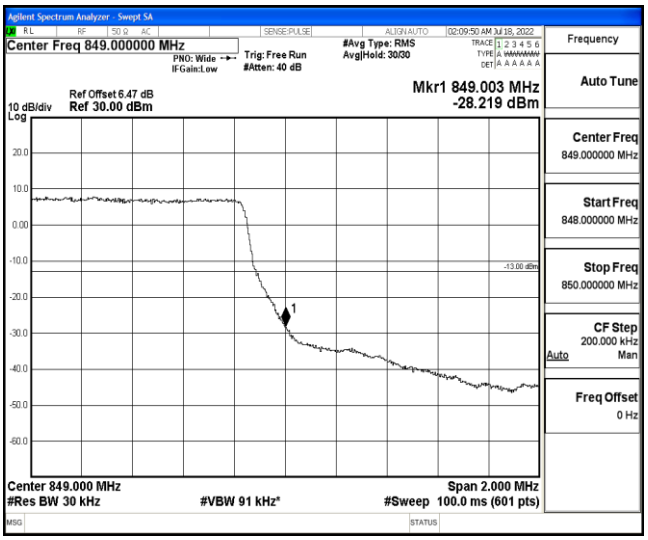
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	-28.19	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	-28.22	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	-29.44	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	-29.41	PASS
Band26	3MHz	QPSK	26805	15RB#0	-25.69	PASS
Band26	3MHz	QPSK	27025	15RB#0	-27.06	PASS
Band26	3MHz	16QAM	26805	15RB#0	-27.46	PASS
Band26	3MHz	16QAM	27025	15RB#0	-28.05	PASS
Band26	5MHz	QPSK	26815	25RB#0	-26.23	PASS
Band26	5MHz	QPSK	27015	25RB#0	-25.93	PASS
Band26	5MHz	16QAM	26815	25RB#0	-27.47	PASS
Band26	5MHz	16QAM	27015	25RB#0	-26.47	PASS
Band26	10MHz	QPSK	26840	50RB#0	-29.70	PASS
Band26	10MHz	QPSK	26990	50RB#0	-30.40	PASS
Band26	10MHz	16QAM	26840	50RB#0	-31.65	PASS
Band26	10MHz	16QAM	26990	50RB#0	-31.42	PASS
Band26	15MHz	QPSK	26865	75RB#0	-30.81	PASS
Band26	15MHz	QPSK	26965	75RB#0	-31.14	PASS
Band26	15MHz	16QAM	26865	75RB#0	-32.53	PASS
Band26	15MHz	16QAM	26965	75RB#0	-33.25	PASS

Test Graphs

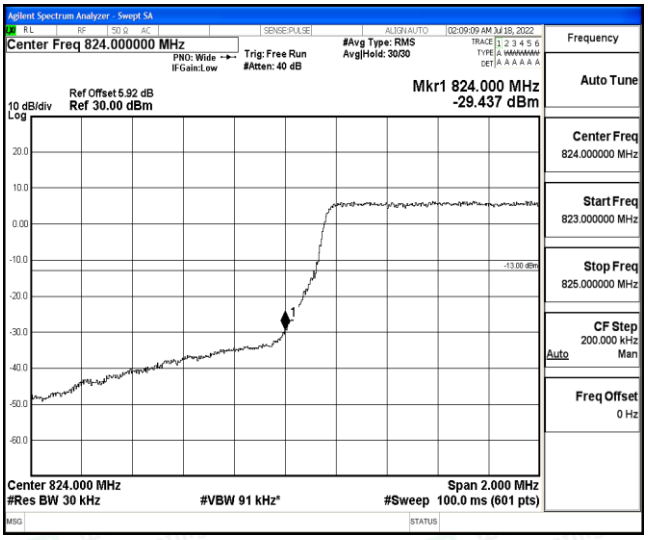
Band26-1.4MHz-QPSK-26797-6RB#0



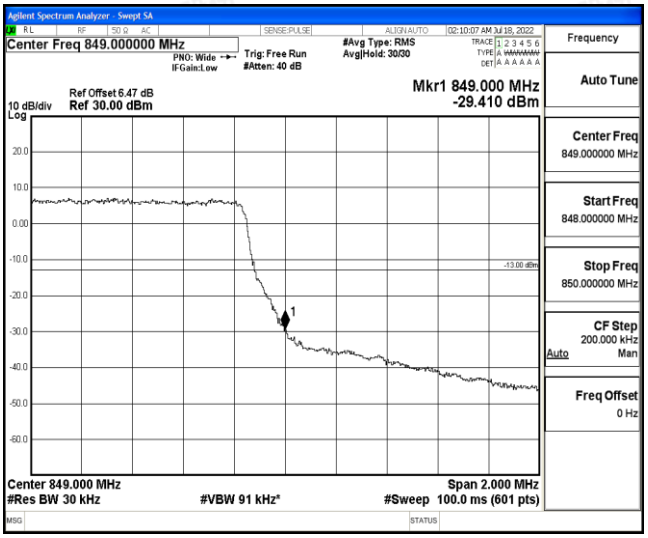
Band26-1.4MHz-QPSK-27033-6RB#0



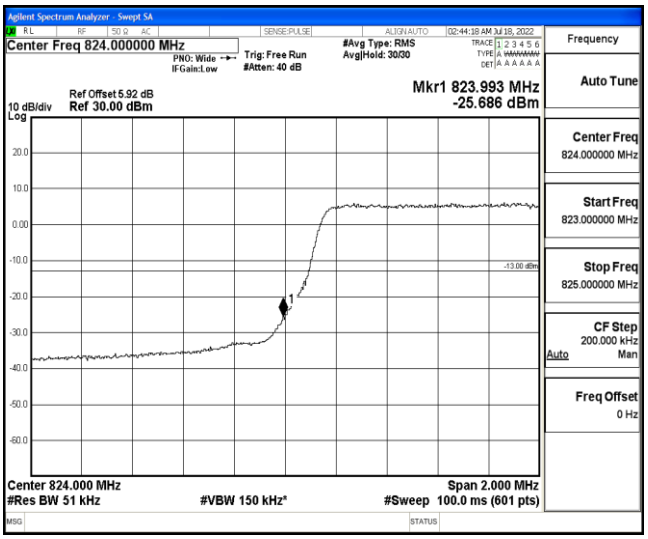
Band26-1.4MHz-16QAM-26797-6RB#0



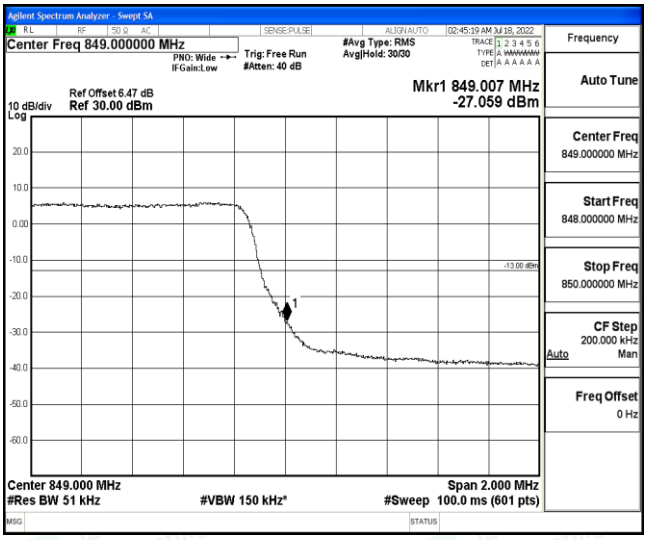
Band26-1.4MHz-16QAM-27033-6RB#0



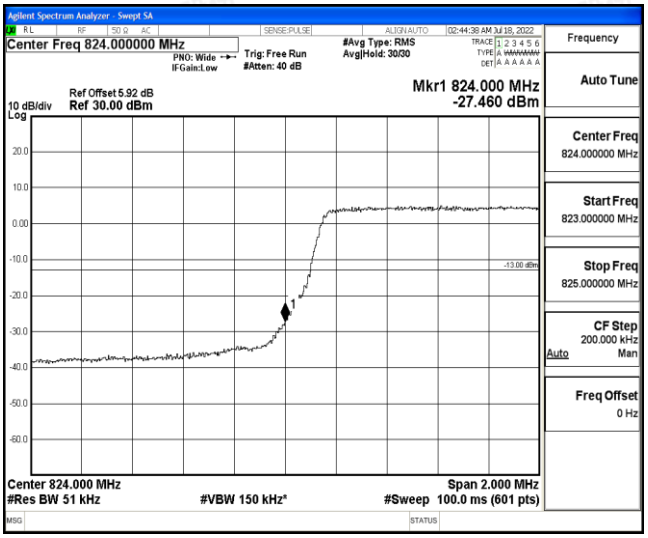
Band26-3MHz-QPSK-26805-15RB#0



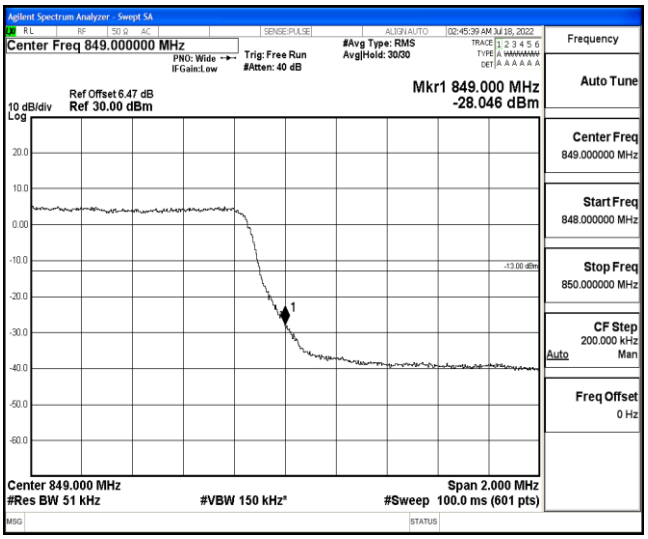
Band26-3MHz-QPSK-27025-15RB#0



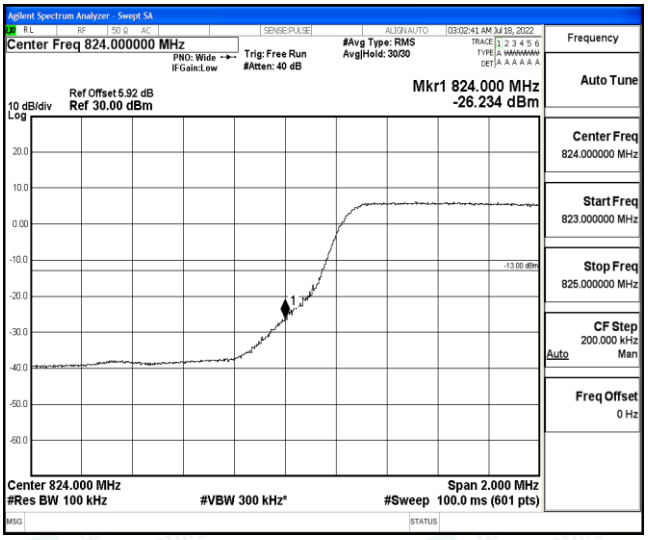
Band26-3MHz-16QAM-26805-15RB#0



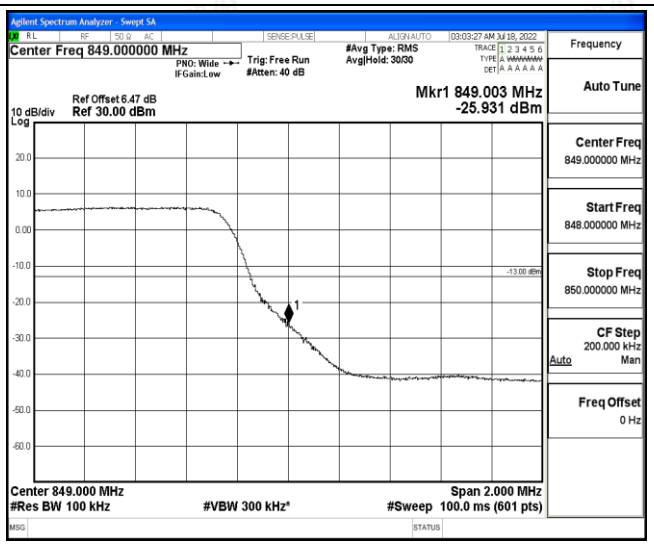
Band26-3MHz-16QAM-27025-15RB#0



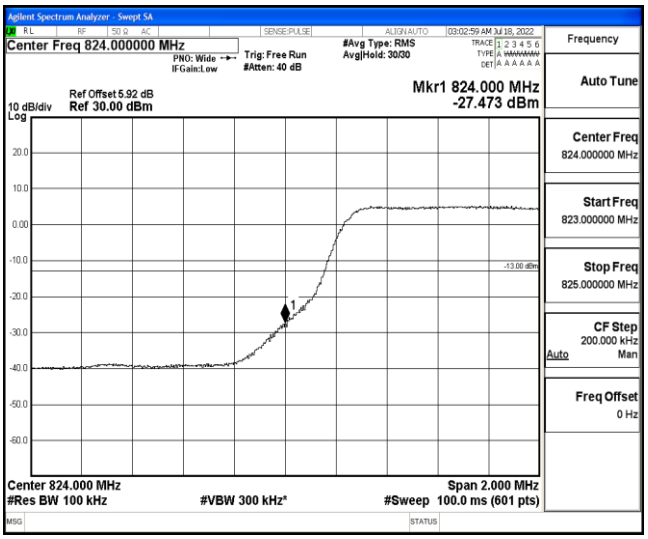
Band26-5MHz-QPSK-26815-25RB#0



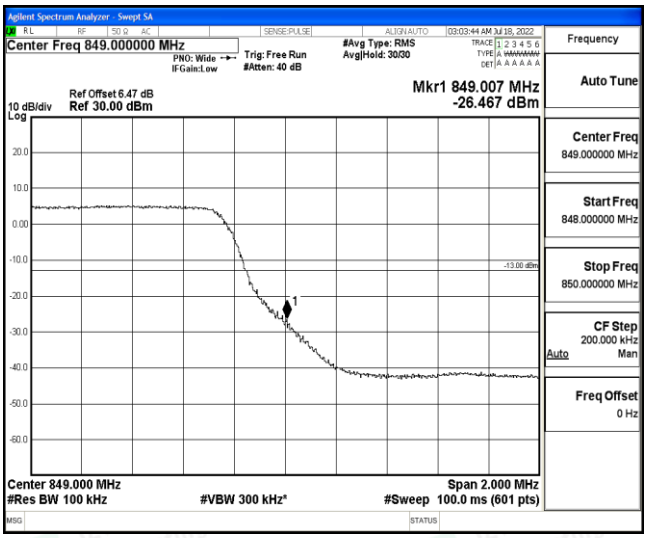
Band26-5MHz-QPSK-27015-25RB#0



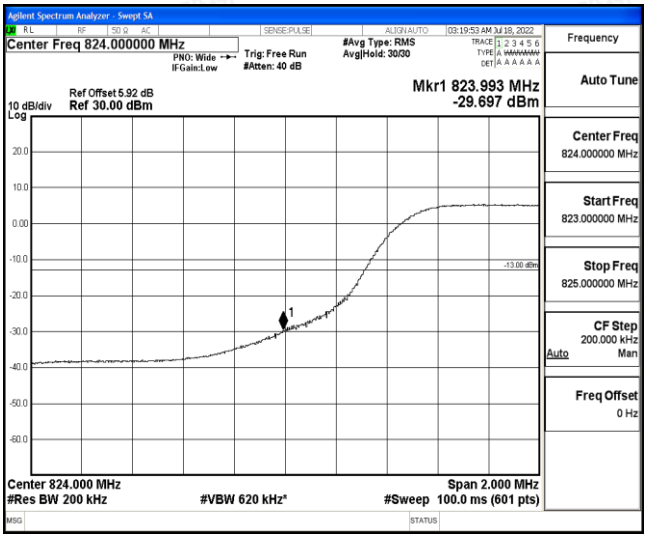
Band26-5MHz-16QAM-26815-25RB#0



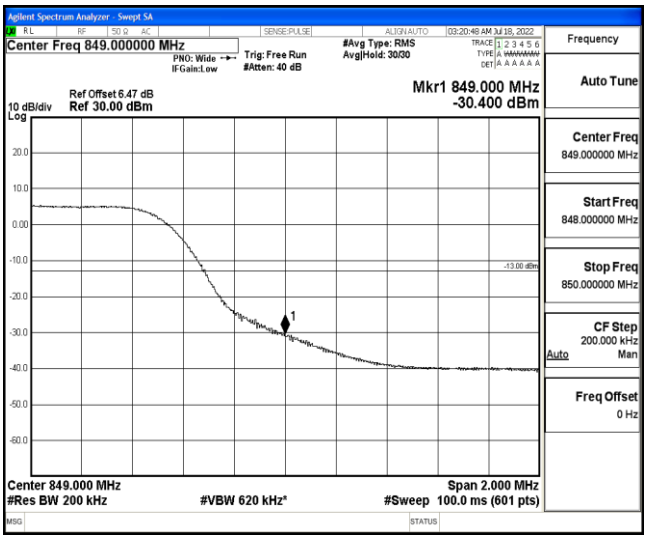
Band26-5MHz-16QAM-27015-25RB#0



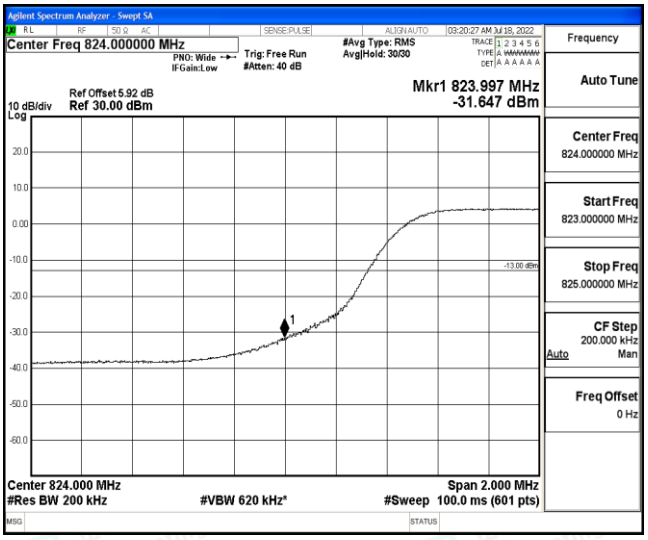
Band26-10MHz-QPSK-26840-50RB#0



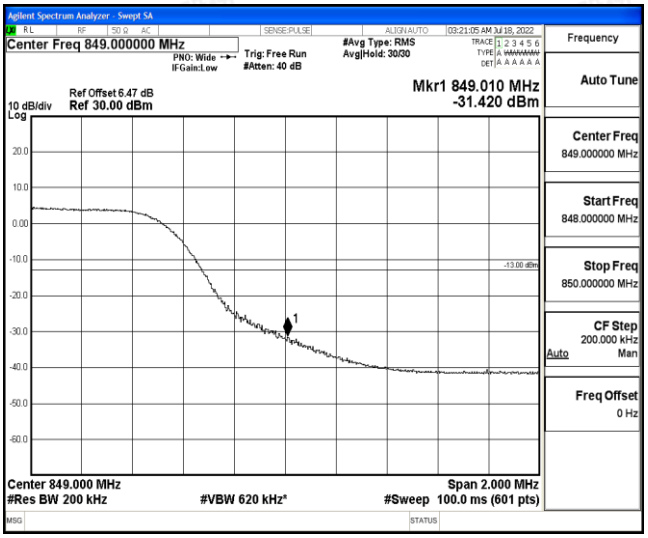
Band26-10MHz-QPSK-26990-50RB#0



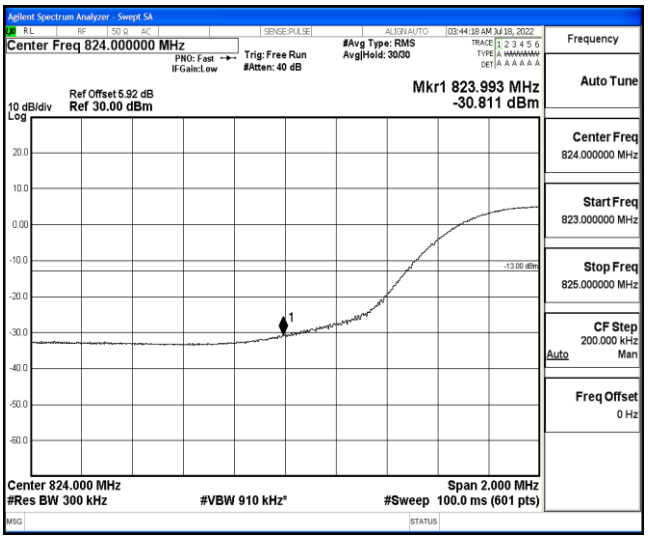
Band26-10MHz-16QAM-26840-50RB#0



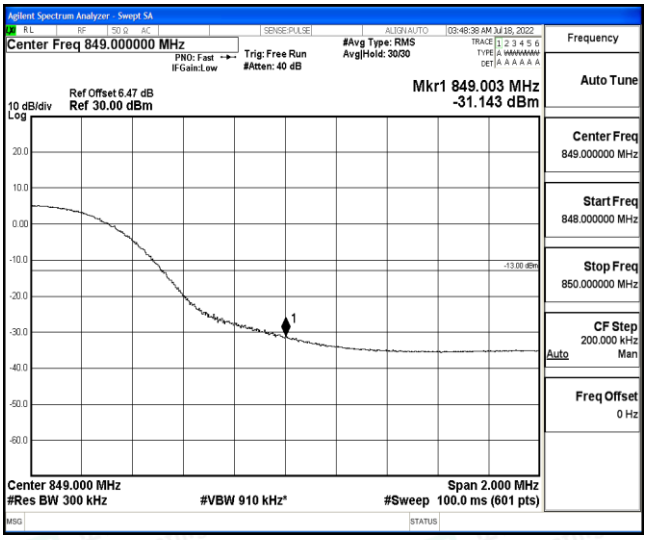
Band26-10MHz-16QAM-26990-50RB#0



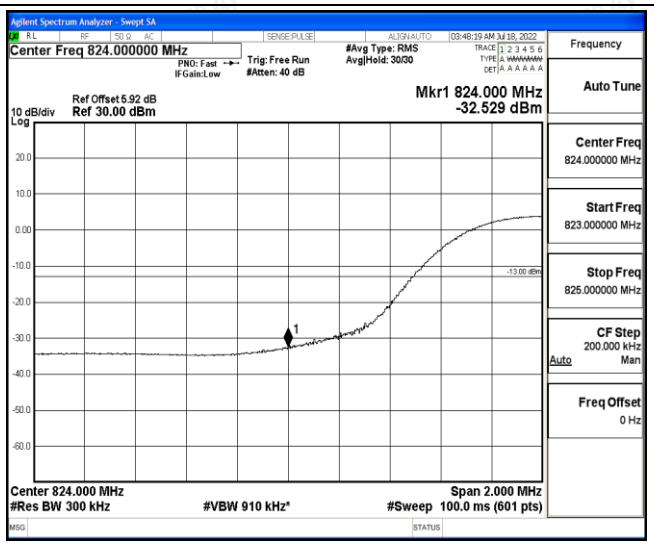
Band26-15MHz-QPSK-26865-75RB#0



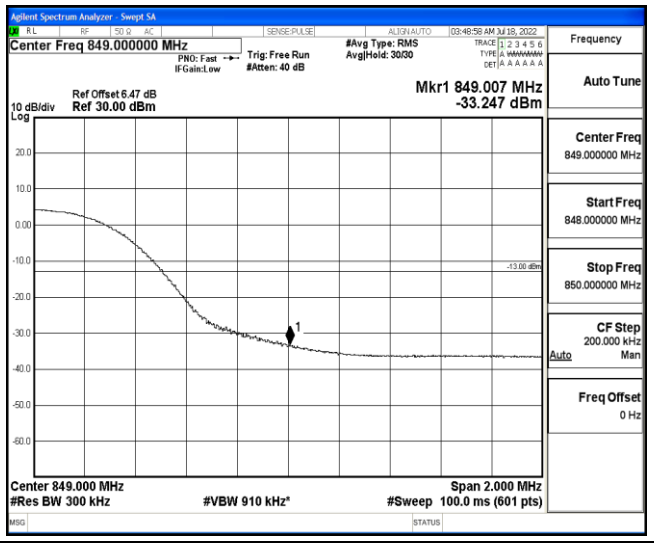
Band26-15MHz-QPSK-26965-75RB#0



Band26-15MHz-16QAM-26865-75RB#0



Band26-15MHz-16QAM-26965-75RB#0



L.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	Range1:0.009~0.15MHz	-56.13	PASS
Band26	1.4MHz	QPSK	26797	1RB#0	Range2:0.15~30MHz	-52.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#0	Range3:30~1000MHz	-41.13	PASS
Band26	1.4MHz	QPSK	26797	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	Range1:0.009~0.15MHz	-54.9	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	Range2:0.15~30MHz	-51.53	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	Range3:30~1000MHz	-39.92	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	Range1:0.009~0.15MHz	-53.07	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	Range2:0.15~30MHz	-50.06	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	Range1:0.009~0.15MHz	-55.17	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	Range2:0.15~30MHz	-52.05	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	Range3:30~1000MHz	-40.75	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	Range1:0.009~0.15MHz	-55.78	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	Range2:0.15~30MHz	-50.11	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	Range3:30~1000MHz	-39.96	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	Range1:0.009~0.15MHz	-55.82	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	Range2:0.15~30MHz	-51.69	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	Range3:30~1000MHz	-41.55	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band26	3MHz	QPSK	26805	1RB#0	Range1:0.009~0.15MHz	-55.6	PASS
Band26	3MHz	QPSK	26805	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band26	3MHz	QPSK	26805	1RB#0	Range3:30~1000MHz	-40.83	PASS
Band26	3MHz	QPSK	26805	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band26	3MHz	QPSK	26915	1RB#0	Range1:0.009~0.15MHz	-54.82	PASS
Band26	3MHz	QPSK	26915	1RB#0	Range2:0.15~30MHz	-49.46	PASS
Band26	3MHz	QPSK	26915	1RB#0	Range3:30~1000MHz	-40.8	PASS
Band26	3MHz	QPSK	26915	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band26	3MHz	QPSK	27025	1RB#0	Range1:0.009~0.15MHz	-55.18	PASS

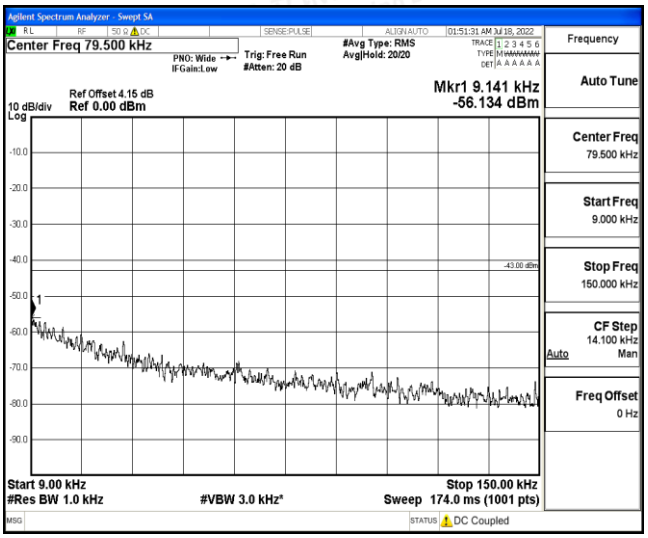
Band26	3MHz	QPSK	27025	1RB#0	Range2:0.15~30MHz	-51.64	PASS
Band26	3MHz	QPSK	27025	1RB#0	Range3:30~1000MHz	-41.03	PASS
Band26	3MHz	QPSK	27025	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band26	3MHz	16QAM	26805	1RB#0	Range1:0.009~0.15MHz	-56.69	PASS
Band26	3MHz	16QAM	26805	1RB#0	Range2:0.15~30MHz	-52.09	PASS
Band26	3MHz	16QAM	26805	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band26	3MHz	16QAM	26805	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band26	3MHz	16QAM	26915	1RB#0	Range1:0.009~0.15MHz	-55.19	PASS
Band26	3MHz	16QAM	26915	1RB#0	Range2:0.15~30MHz	-50.42	PASS
Band26	3MHz	16QAM	26915	1RB#0	Range3:30~1000MHz	-41.3	PASS
Band26	3MHz	16QAM	26915	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band26	3MHz	16QAM	27025	1RB#0	Range1:0.009~0.15MHz	-56.16	PASS
Band26	3MHz	16QAM	27025	1RB#0	Range2:0.15~30MHz	-48.44	PASS
Band26	3MHz	16QAM	27025	1RB#0	Range3:30~1000MHz	-40.92	PASS
Band26	3MHz	16QAM	27025	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band26	5MHz	QPSK	26815	1RB#0	Range1:0.009~0.15MHz	-54.63	PASS
Band26	5MHz	QPSK	26815	1RB#0	Range2:0.15~30MHz	-50.38	PASS
Band26	5MHz	QPSK	26815	1RB#0	Range3:30~1000MHz	-41.04	PASS
Band26	5MHz	QPSK	26815	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	5MHz	QPSK	26915	1RB#0	Range1:0.009~0.15MHz	-55.82	PASS
Band26	5MHz	QPSK	26915	1RB#0	Range2:0.15~30MHz	-50.52	PASS
Band26	5MHz	QPSK	26915	1RB#0	Range3:30~1000MHz	-41.38	PASS
Band26	5MHz	QPSK	26915	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	5MHz	QPSK	27015	1RB#0	Range1:0.009~0.15MHz	-56.51	PASS
Band26	5MHz	QPSK	27015	1RB#0	Range2:0.15~30MHz	-50.48	PASS
Band26	5MHz	QPSK	27015	1RB#0	Range3:30~1000MHz	-40.68	PASS
Band26	5MHz	QPSK	27015	1RB#0	Range4:1000~10000MHz	-44.71	PASS
Band26	5MHz	16QAM	26815	1RB#0	Range1:0.009~0.15MHz	-53.17	PASS
Band26	5MHz	16QAM	26815	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band26	5MHz	16QAM	26815	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band26	5MHz	16QAM	26815	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band26	5MHz	16QAM	26915	1RB#0	Range1:0.009~0.15MHz	-56.15	PASS
Band26	5MHz	16QAM	26915	1RB#0	Range2:0.15~30MHz	-52.83	PASS
Band26	5MHz	16QAM	26915	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band26	5MHz	16QAM	26915	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	5MHz	16QAM	27015	1RB#0	Range1:0.009~0.15MHz	-55.98	PASS
Band26	5MHz	16QAM	27015	1RB#0	Range2:0.15~30MHz	-49.92	PASS
Band26	5MHz	16QAM	27015	1RB#0	Range3:30~1000MHz	-40.6	PASS
Band26	5MHz	16QAM	27015	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band26	10MHz	QPSK	26840	1RB#0	Range1:0.009~0.15MHz	-54.62	PASS

Band26	10MHz	QPSK	26840	1RB#0	Range2:0.15~30MHz	-51.35	PASS
Band26	10MHz	QPSK	26840	1RB#0	Range3:30~1000MHz	-40.87	PASS
Band26	10MHz	QPSK	26840	1RB#0	Range4:1000~10000MHz	-44.7	PASS
Band26	10MHz	QPSK	26915	1RB#0	Range1:0.009~0.15MHz	-56.14	PASS
Band26	10MHz	QPSK	26915	1RB#0	Range2:0.15~30MHz	-52.07	PASS
Band26	10MHz	QPSK	26915	1RB#0	Range3:30~1000MHz	-41.34	PASS
Band26	10MHz	QPSK	26915	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band26	10MHz	QPSK	26990	1RB#0	Range1:0.009~0.15MHz	-54.04	PASS
Band26	10MHz	QPSK	26990	1RB#0	Range2:0.15~30MHz	-51.35	PASS
Band26	10MHz	QPSK	26990	1RB#0	Range3:30~1000MHz	-40.39	PASS
Band26	10MHz	QPSK	26990	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band26	10MHz	16QAM	26840	1RB#0	Range1:0.009~0.15MHz	-56.2	PASS
Band26	10MHz	16QAM	26840	1RB#0	Range2:0.15~30MHz	-49.2	PASS
Band26	10MHz	16QAM	26840	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band26	10MHz	16QAM	26840	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band26	10MHz	16QAM	26915	1RB#0	Range1:0.009~0.15MHz	-56.11	PASS
Band26	10MHz	16QAM	26915	1RB#0	Range2:0.15~30MHz	-50.36	PASS
Band26	10MHz	16QAM	26915	1RB#0	Range3:30~1000MHz	-40.64	PASS
Band26	10MHz	16QAM	26915	1RB#0	Range4:1000~10000MHz	-44.82	PASS
Band26	10MHz	16QAM	26990	1RB#0	Range1:0.009~0.15MHz	-53.85	PASS
Band26	10MHz	16QAM	26990	1RB#0	Range2:0.15~30MHz	-50.75	PASS
Band26	10MHz	16QAM	26990	1RB#0	Range3:30~1000MHz	-40.36	PASS
Band26	10MHz	16QAM	26990	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band26	15MHz	QPSK	26865	1RB#0	Range1:0.009~0.15MHz	-55.5	PASS
Band26	15MHz	QPSK	26865	1RB#0	Range2:0.15~30MHz	-51.3	PASS
Band26	15MHz	QPSK	26865	1RB#0	Range3:30~1000MHz	-39.62	PASS
Band26	15MHz	QPSK	26865	1RB#0	Range4:1000~10000MHz	-45.11	PASS
Band26	15MHz	QPSK	26915	1RB#0	Range1:0.009~0.15MHz	-55.54	PASS
Band26	15MHz	QPSK	26915	1RB#0	Range2:0.15~30MHz	-51.99	PASS
Band26	15MHz	QPSK	26915	1RB#0	Range3:30~1000MHz	-41.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band26	15MHz	QPSK	26965	1RB#0	Range1:0.009~0.15MHz	-55.21	PASS
Band26	15MHz	QPSK	26965	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band26	15MHz	QPSK	26965	1RB#0	Range3:30~1000MHz	-40.73	PASS
Band26	15MHz	QPSK	26965	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band26	15MHz	16QAM	26865	1RB#0	Range1:0.009~0.15MHz	-56.08	PASS
Band26	15MHz	16QAM	26865	1RB#0	Range2:0.15~30MHz	-52	PASS
Band26	15MHz	16QAM	26865	1RB#0	Range3:30~1000MHz	-40.95	PASS
Band26	15MHz	16QAM	26865	1RB#0	Range4:1000~10000MHz	-44.73	PASS
Band26	15MHz	16QAM	26915	1RB#0	Range1:0.009~0.15MHz	-53.08	PASS

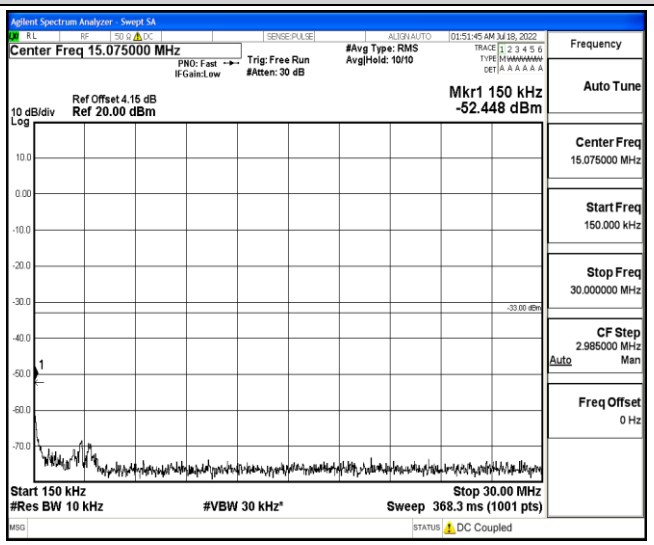
Band26	15MHz	16QAM	26915	1RB#0	Range2:0.15~30MHz	-50.7	PASS
Band26	15MHz	16QAM	26915	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band26	15MHz	16QAM	26915	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band26	15MHz	16QAM	26965	1RB#0	Range1:0.009~0.15MHz	-55.35	PASS
Band26	15MHz	16QAM	26965	1RB#0	Range2:0.15~30MHz	-51.48	PASS
Band26	15MHz	16QAM	26965	1RB#0	Range3:30~1000MHz	-40.83	PASS
Band26	15MHz	16QAM	26965	1RB#0	Range4:1000~10000MHz	-45.04	PASS

Test Graphs

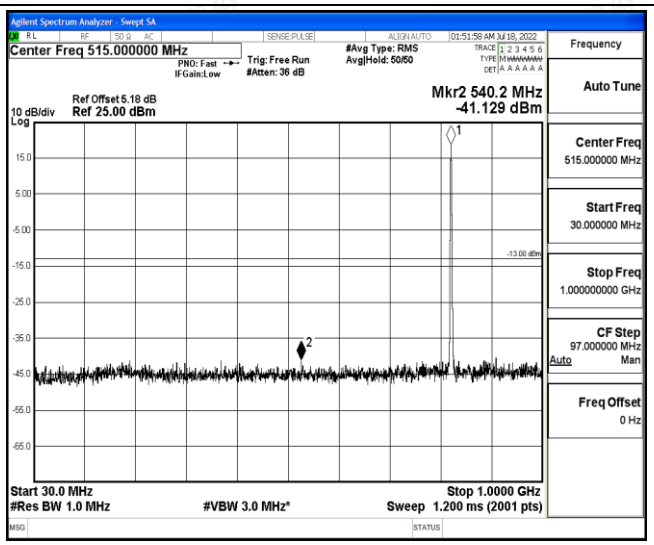
Band26-1.4MHz-QPSK-26797-1RB#0-Range1:0.009~0.15MHz



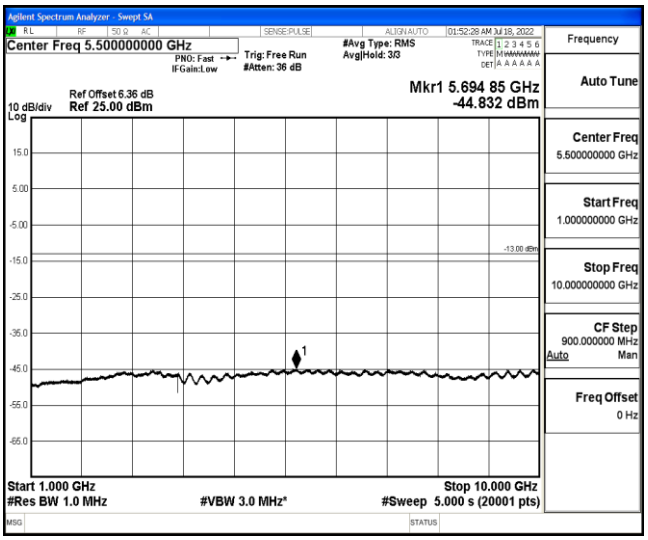
Band26-1.4MHz-QPSK-26797-1RB#0-Range2:0.15~30MHz



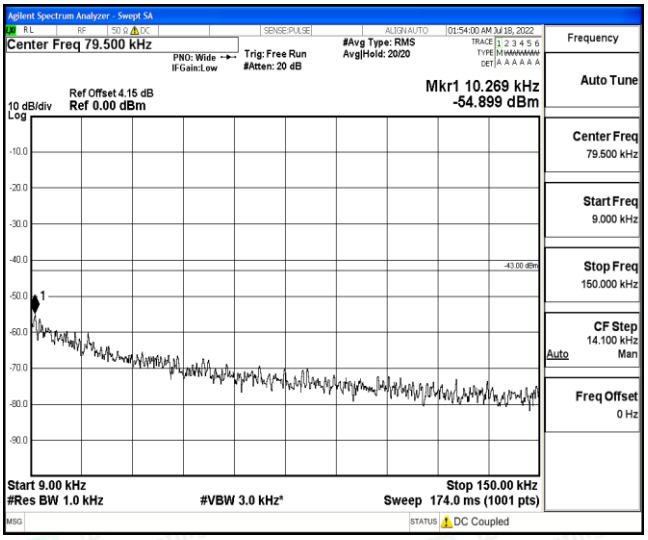
Band26-1.4MHz-QPSK-26797-1RB#0-Range3:30~1000MHz



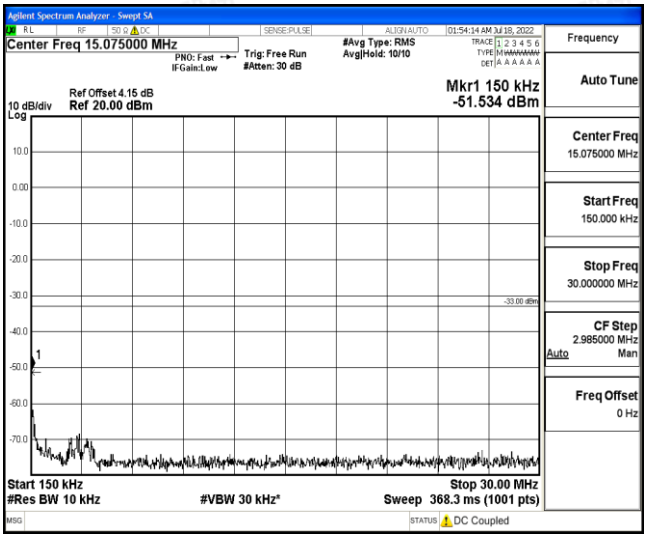
Band26-1.4MHz-QPSK-26797-1RB#0-Range4:1000~10000MHz



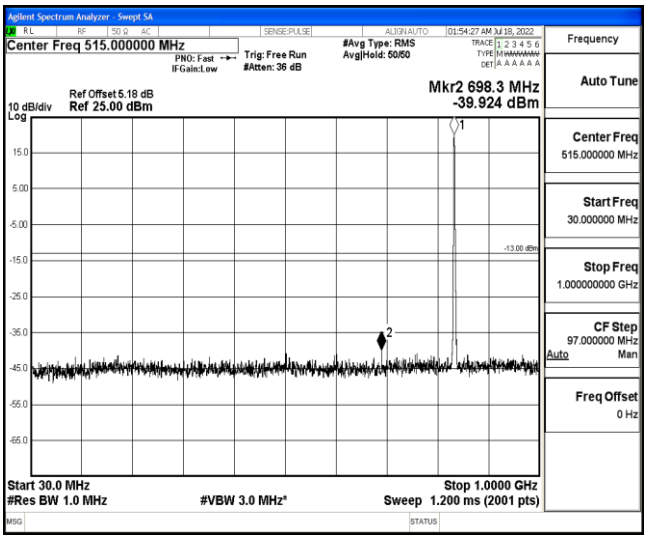
Band26-1.4MHz-QPSK-26915-1RB#0-Range1:0.009~0.15MHz



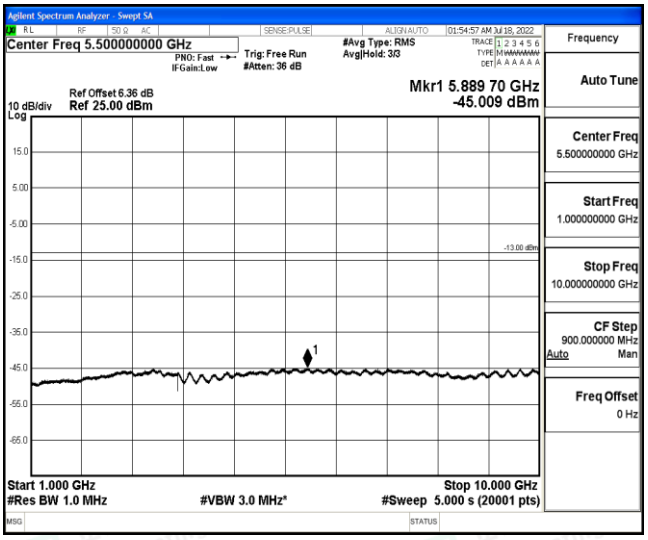
Band26-1.4MHz-QPSK-26915-1RB#0-Range2:0.15~30MHz



Band26-1.4MHz-QPSK-26915-1RB#0-Range3:30~1000MHz



Band26-1.4MHz-QPSK-26915-1RB#0-Range4:1000~10000MHz



Band26-1.4MHz-QPSK-27033-1RB#0-Range1:0.009~0.15MHz