Appendix F: Test Data for E-UTRA Band 5

Product Name: MOBILE PHONE
Test Model: PADUA

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

F.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.61	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.70	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.63	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.62	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.68	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.64	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.65	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.66	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.81	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.62	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.73	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.70	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.71	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.66	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.53	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.53	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.54	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.58	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.49	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.44	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.62	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.31	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.50	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.44	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.60	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.47	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.49	PASS

Band5	1.4MHz	16QAM	20525	3RB#1	21.56	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.48	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.84	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.66	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.20	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.39	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.36	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.32	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.73	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.73	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.71	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.66	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.67	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.62	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.60	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.73	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.80	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.84	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.75	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.70	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.80	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.77	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.04	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.09	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.09	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.16	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.14	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.14	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.08	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.69	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.62	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.41	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.61	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.64	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.57	PASS

Band5	3MHz	16QAM	20415	15RB#0	20.62	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.59	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.74	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.79	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.73	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.72	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.78	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.64	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.93	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.94	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.90	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.12	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.07	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.09	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.50	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.57	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.47	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.43	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.44	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.46	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.60	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.74	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.62	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.65	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.66	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.70	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.72	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.87	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.02	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.87	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.00	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.96	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.90	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.03	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.45	PASS

Band5	5MHz	16QAM	20425	1RB#12	21.57	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.33	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.52	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.38	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.42	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.43	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.54	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.70	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.59	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.72	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.67	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.72	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.70	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.82	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.95	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.83	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.08	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.98	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.91	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.98	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.60	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.66	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.71	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.62	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.61	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.40	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.59	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.86	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.78	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.87	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.84	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.88	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.85	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.73	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.06	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.96	PASS

Band5	10MHz	QPSK	20600	25RB#0	21.85	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.85	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.80	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.80	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.27	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.50	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.32	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.56	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.52	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.39	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.43	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.46	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.61	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.76	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.88	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.87	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.90	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.86	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.63	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.01	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.82	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.86	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.81	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.72	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.79	PASS

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

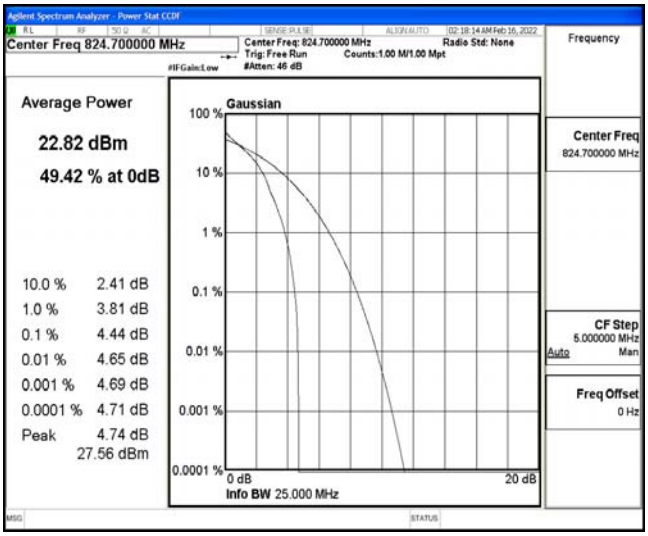
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.44	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.96	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.24	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.96	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.28	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.01	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.35	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.84	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.96	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.77	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.14	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.83	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.34	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.82	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.93	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.05	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.24	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.15	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.22	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.65	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.65	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.78	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.58	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.74	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.83	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.14	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.78	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.28	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.24	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.42	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.36	13	PASS

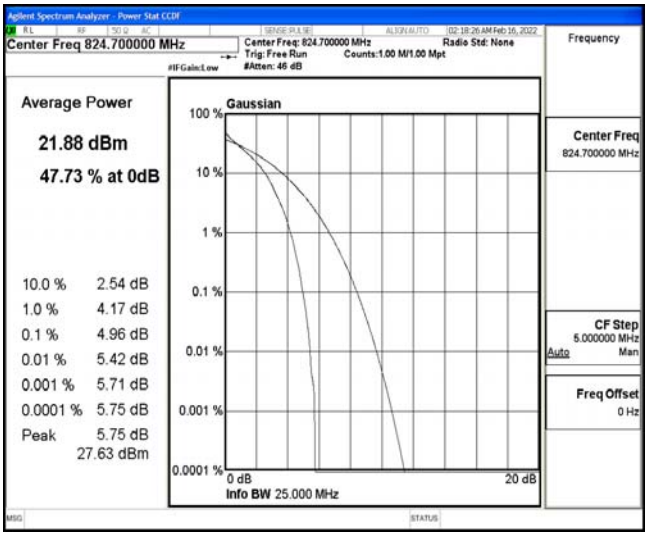
Band5	5MHz	16QAM	20625	25RB#0	5.99	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.42	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.59	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.29	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.10	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.96	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.44	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.21	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.01	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.22	13	PASS

Test Graphs

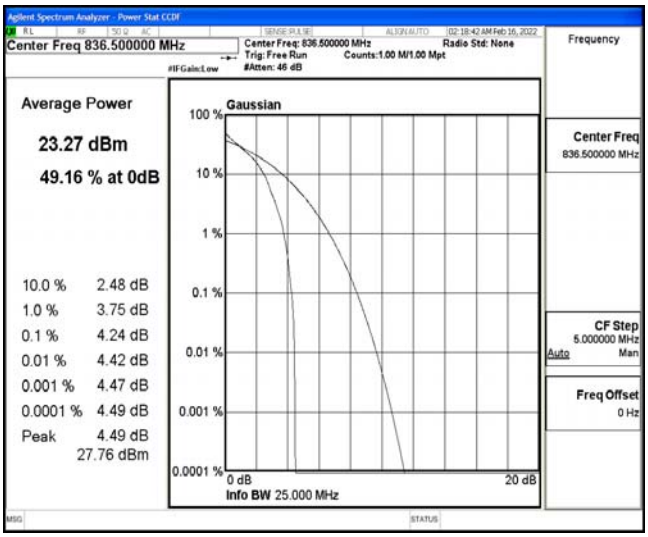
Band5-1.4MHz-QPSK-20407-1RB#0



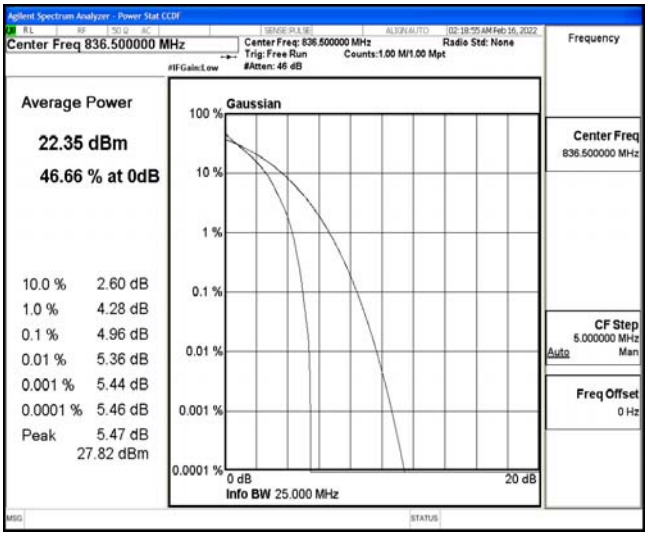
Band5-1.4MHz-QPSK-20407-6RB#0



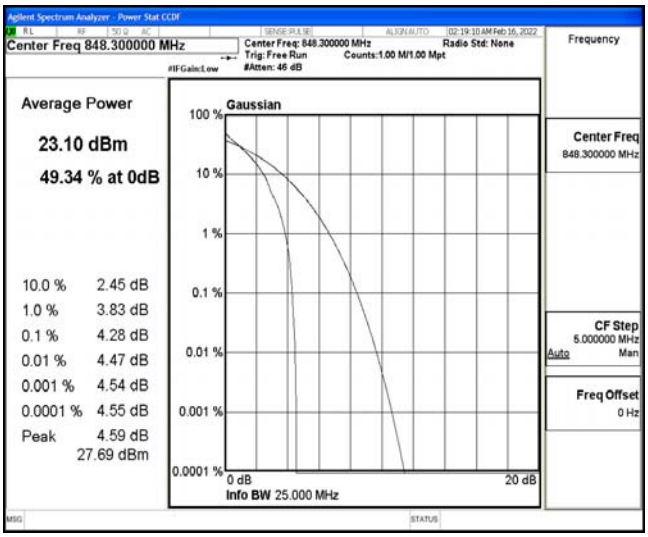
Band5-1.4MHz-QPSK-20525-1RB#0



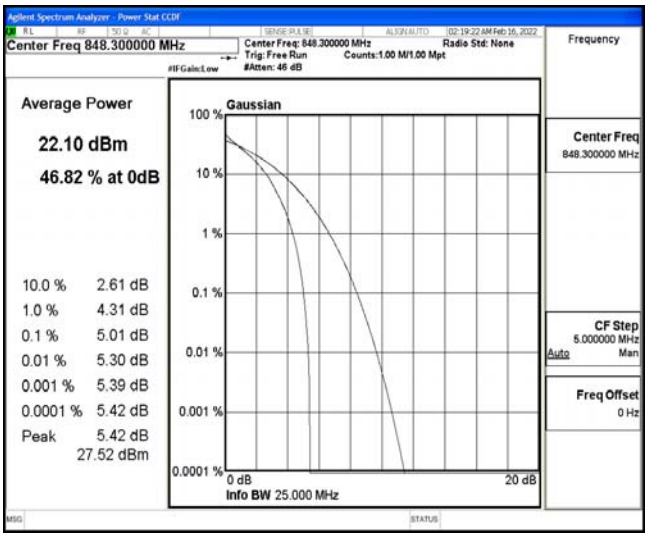
Band5-1.4MHz-QPSK-20525-6RB#0



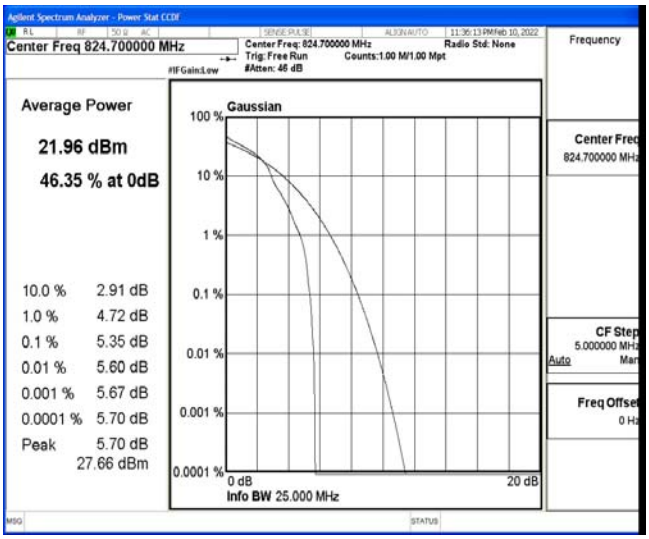
Band5-1.4MHz-QPSK-20643-1RB#0



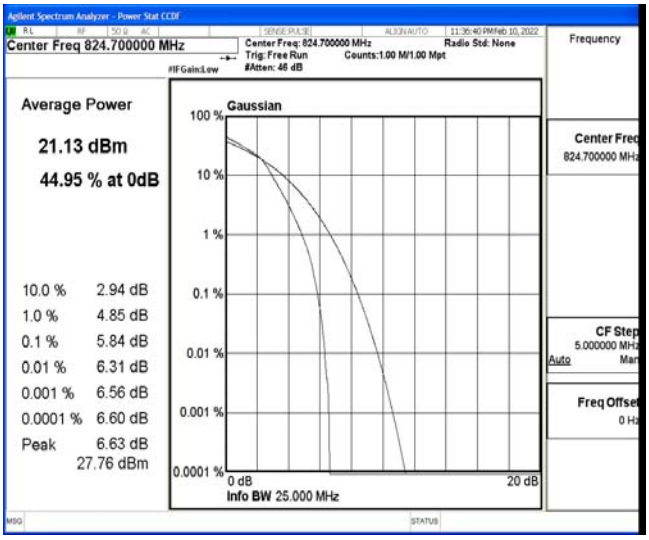
Band5-1.4MHz-QPSK-20643-6RB#0



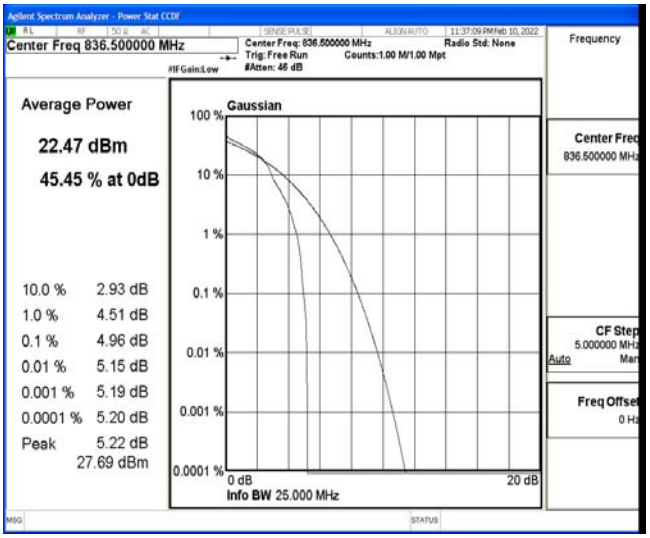
Band5-1.4MHz-16QAM-20407-1RB#0



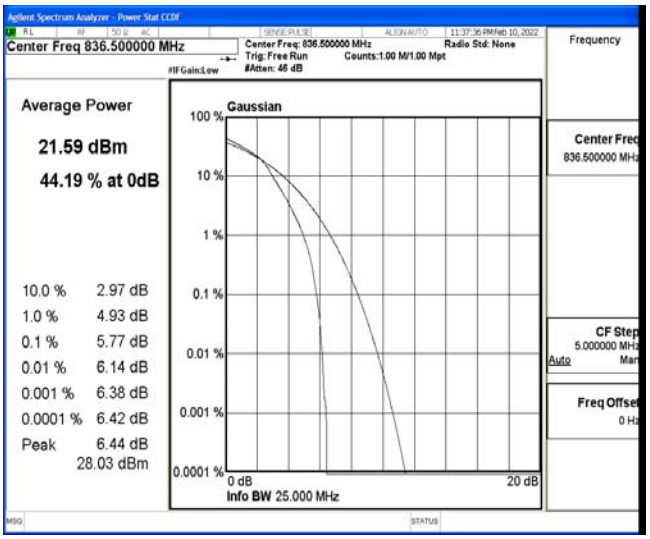
Band5-1.4MHz-16QAM-20407-6RB#0



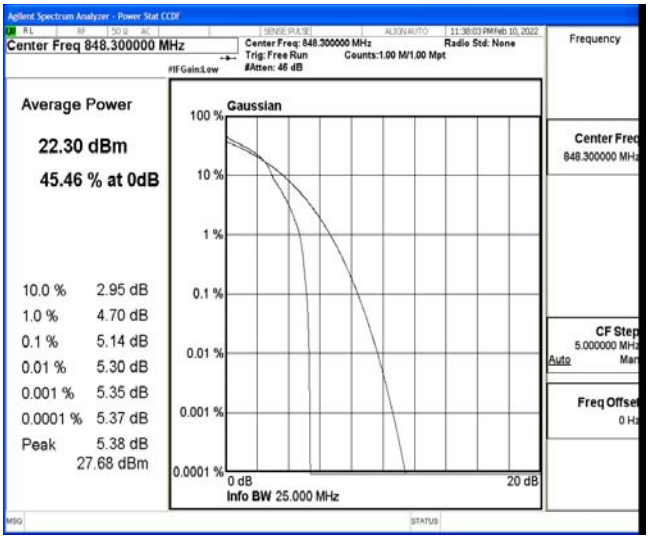
Band5-1.4MHz-16QAM-20525-1RB#0



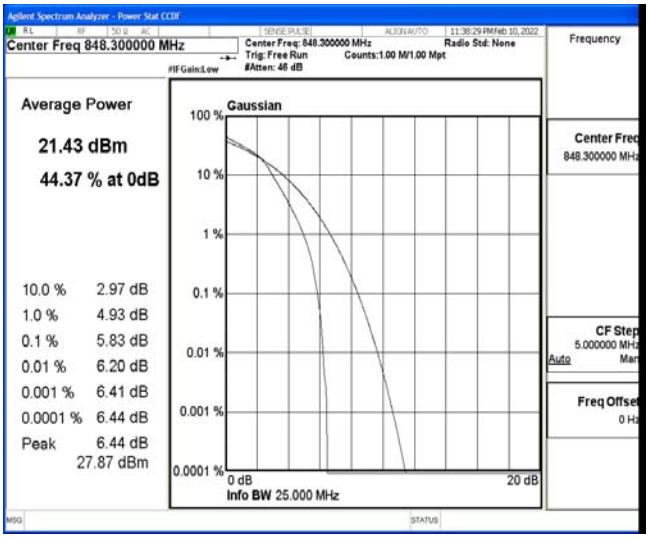
Band5-1.4MHz-16QAM-20525-6RB#0



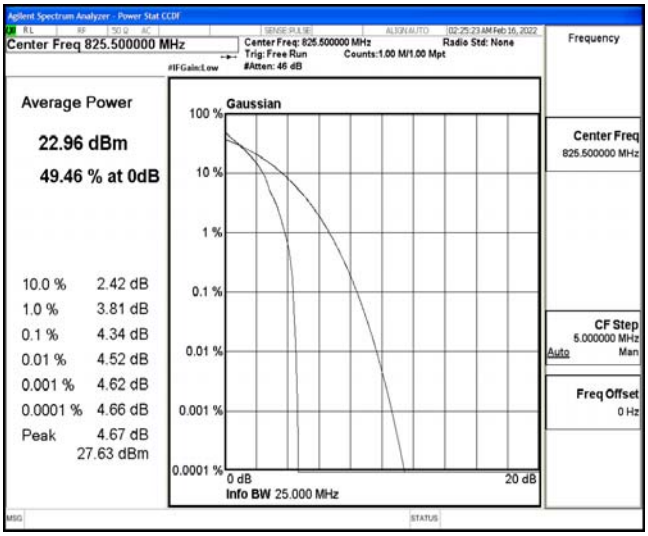
Band5-1.4MHz-16QAM-20643-1RB#0



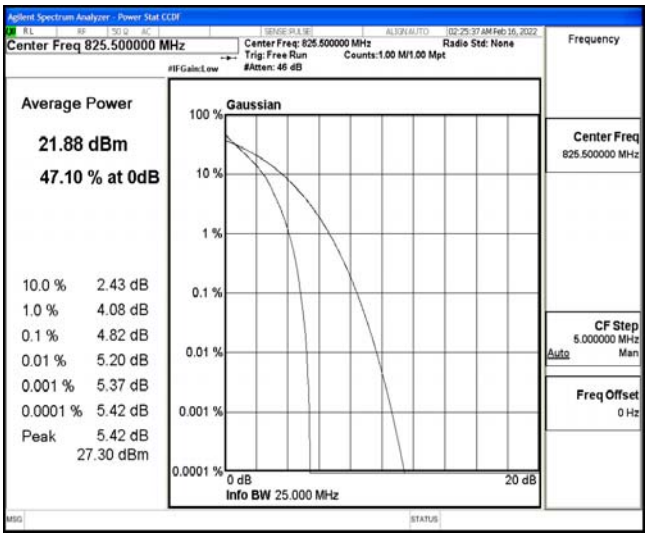
Band5-1.4MHz-16QAM-20643-6RB#0



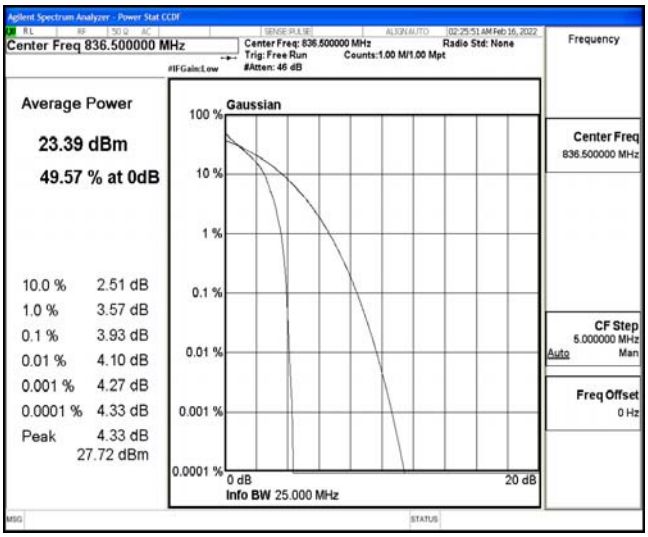
Band5-3MHz-QPSK-20415-1RB#0



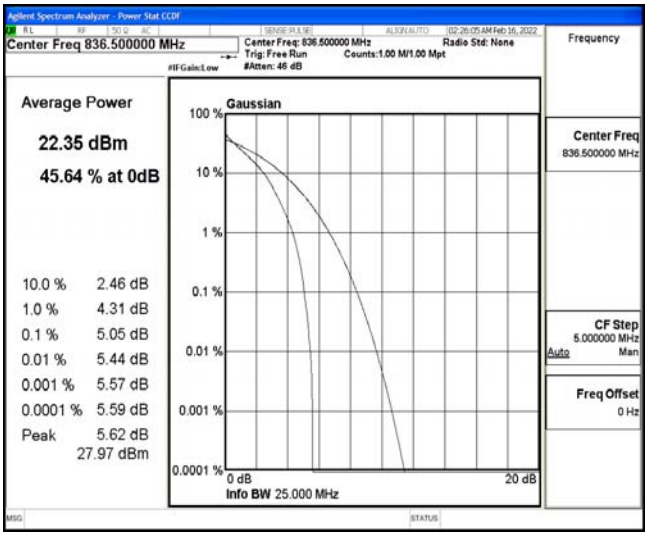
Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-1RB#0



Band5-3MHz-QPSK-20525-15RB#0



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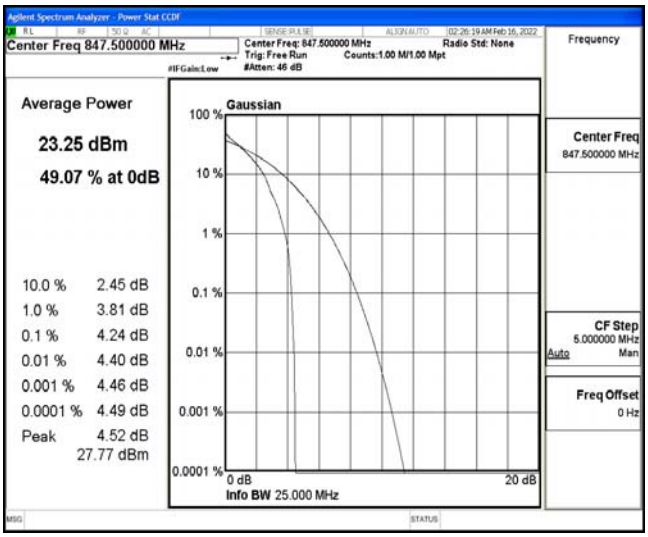

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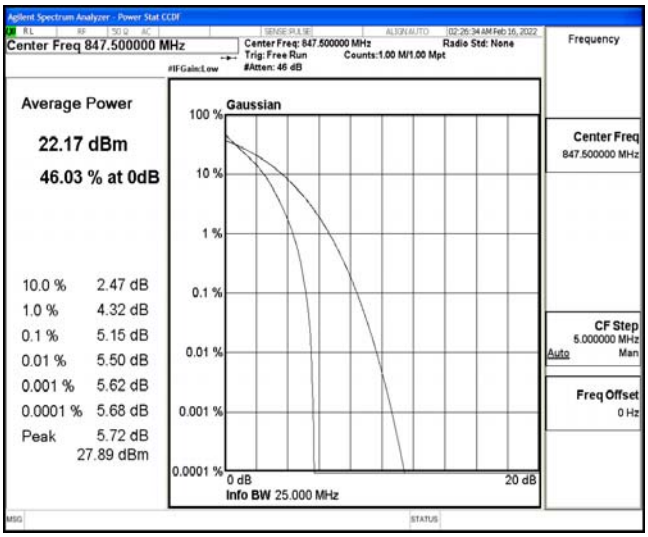
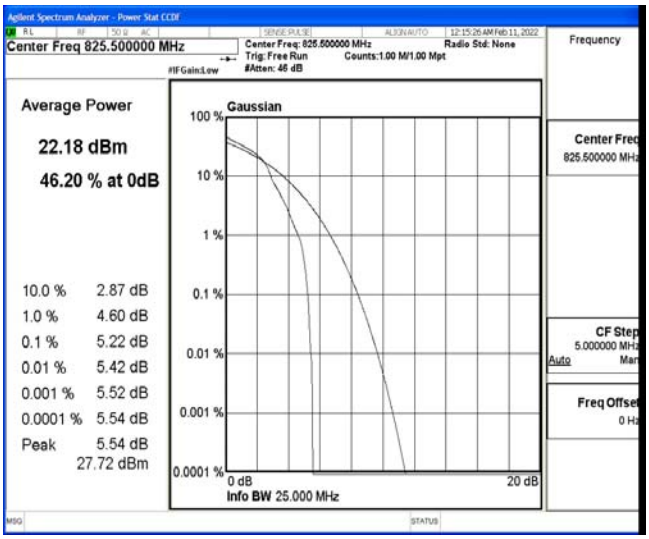


Band5-3MHz-16QAM-20415-1RB#0



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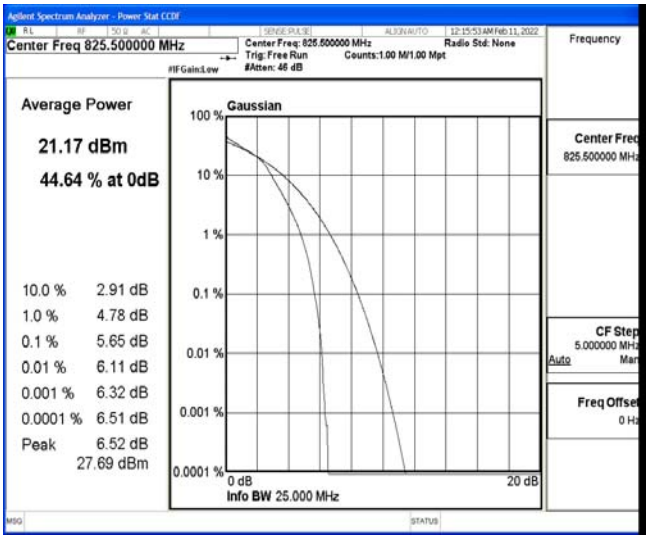

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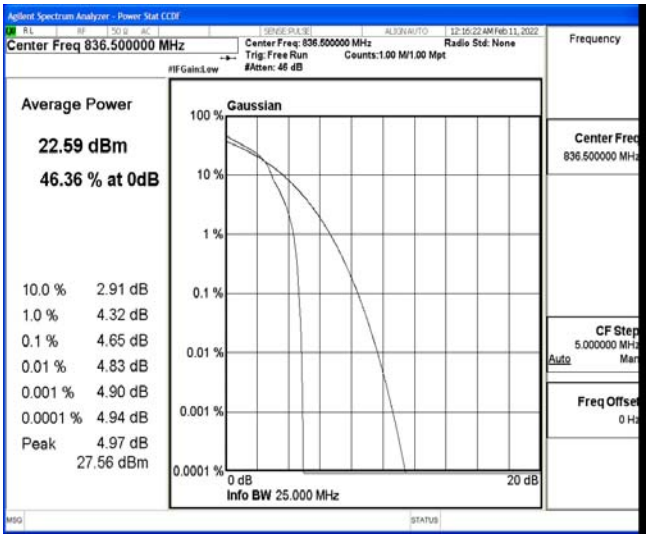
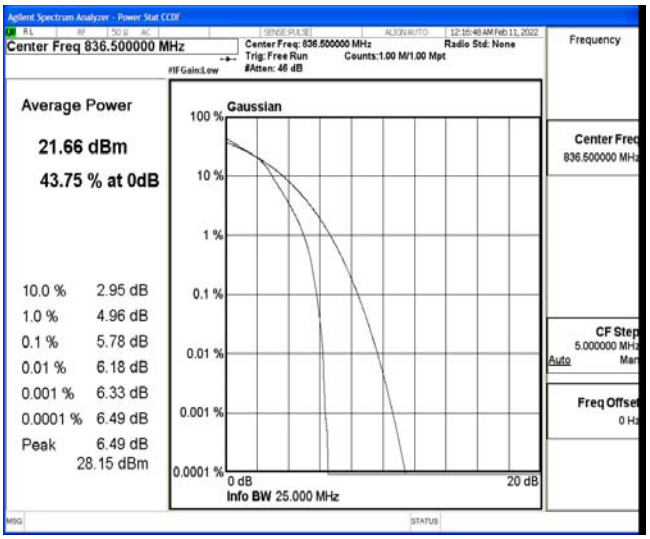


Band5-3MHz-16QAM-20525-15RB#0



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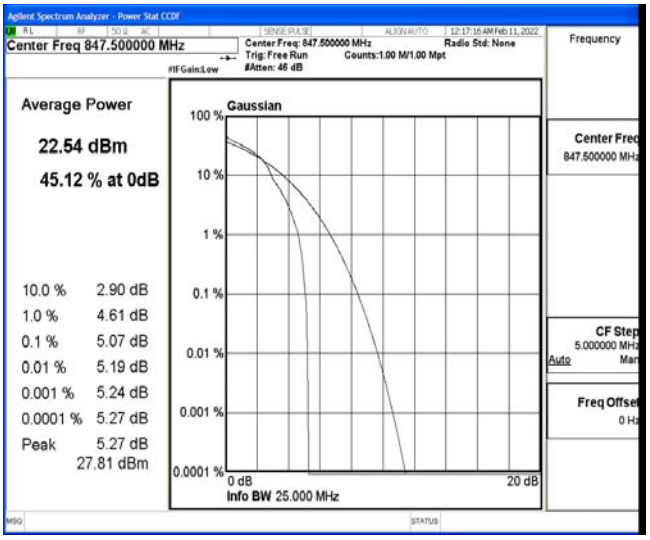

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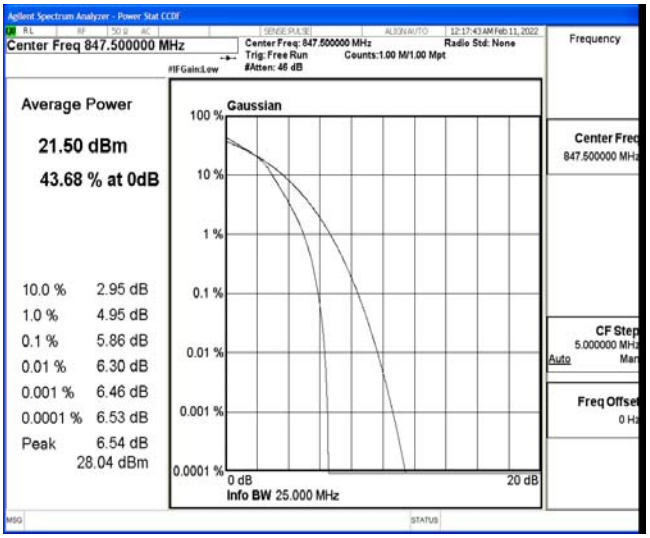

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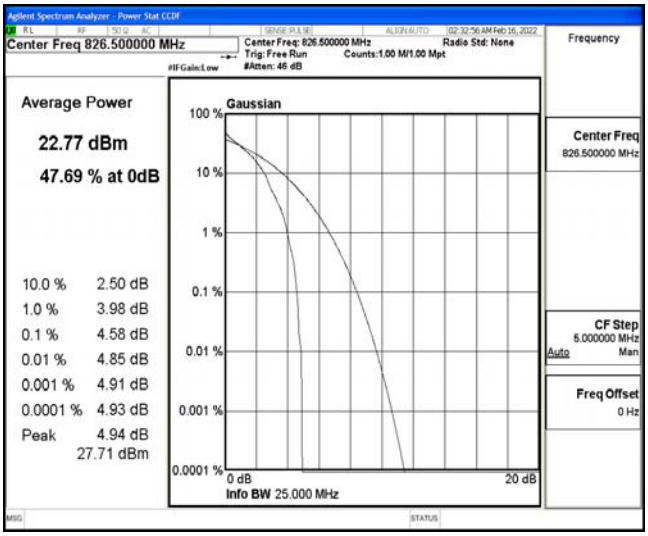

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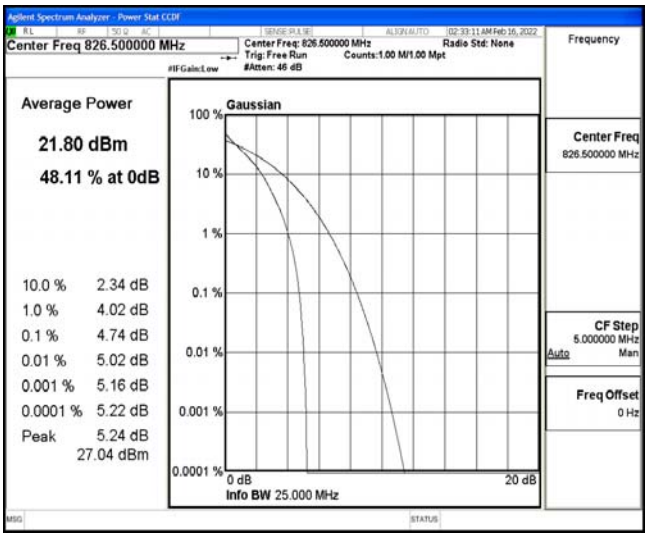

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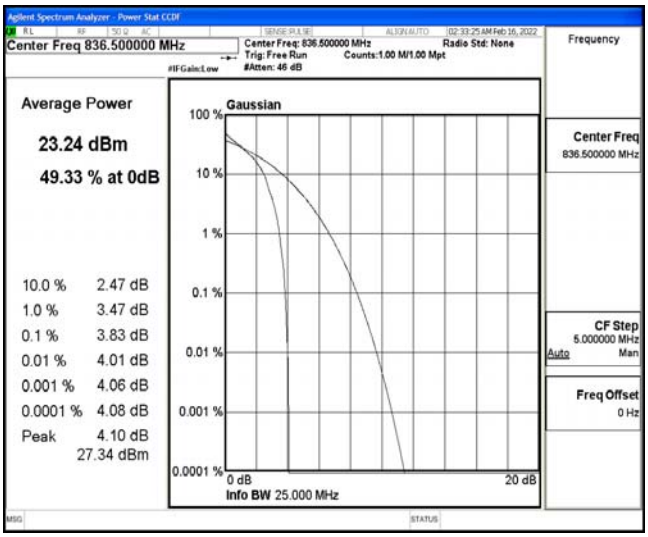

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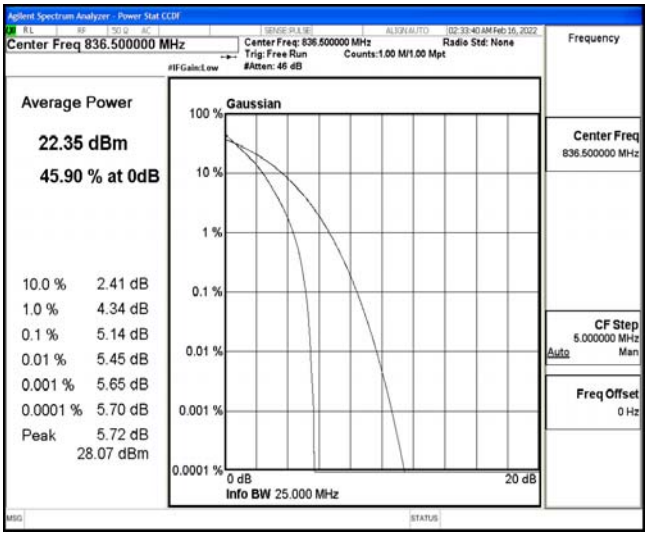

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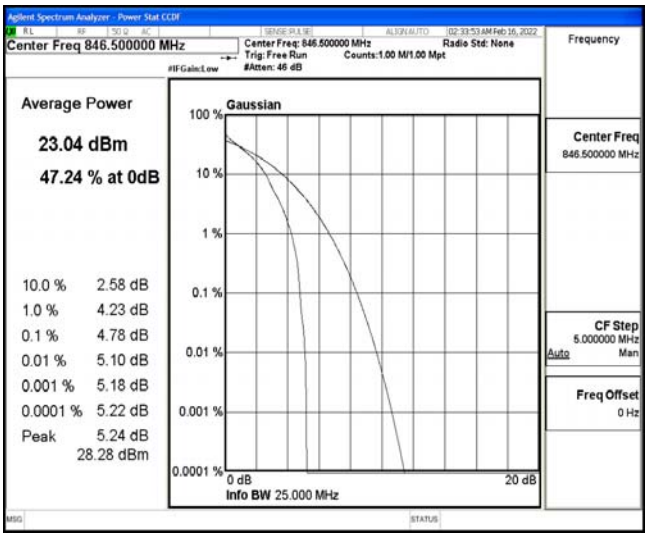

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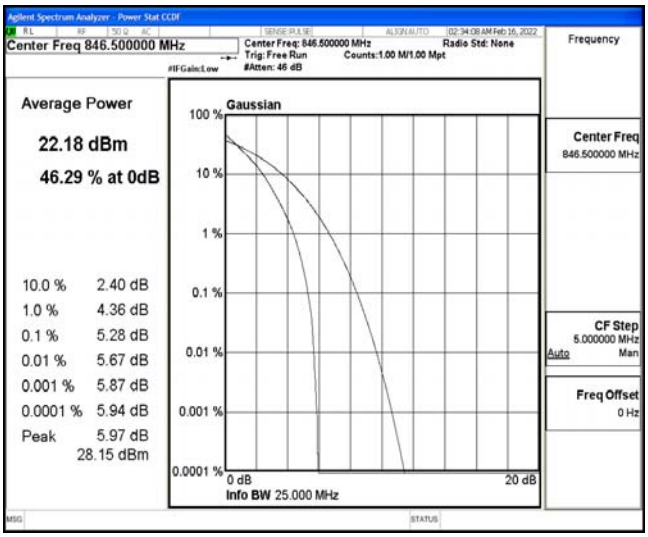

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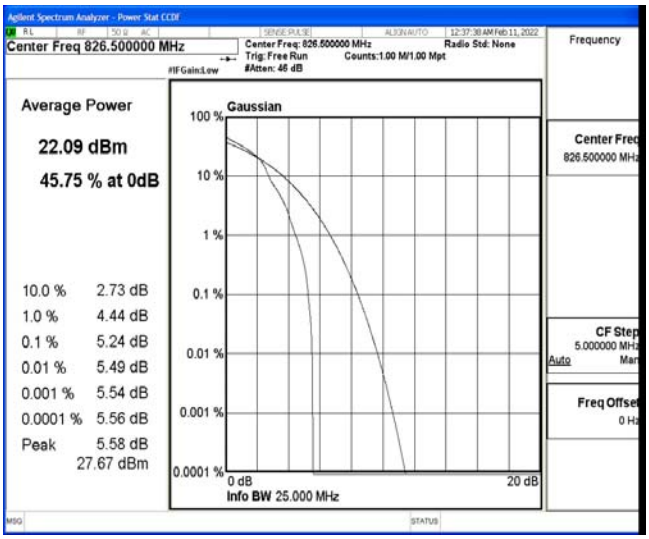

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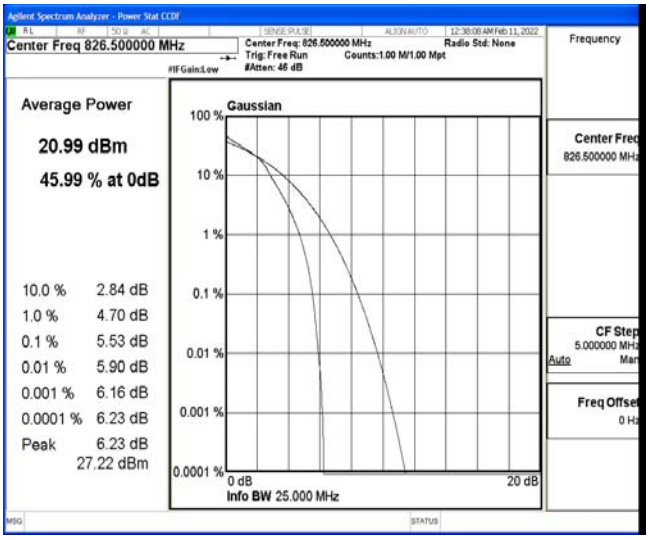

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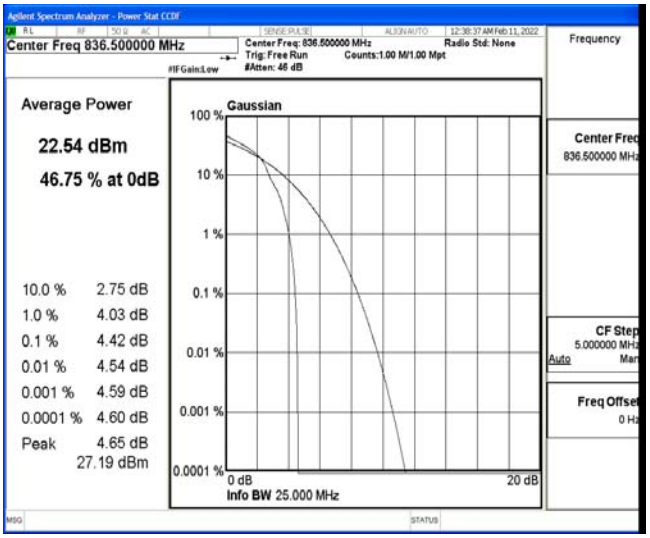

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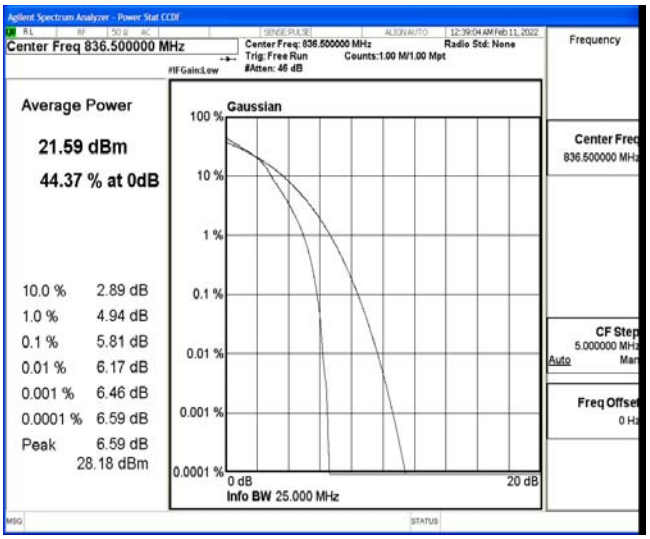

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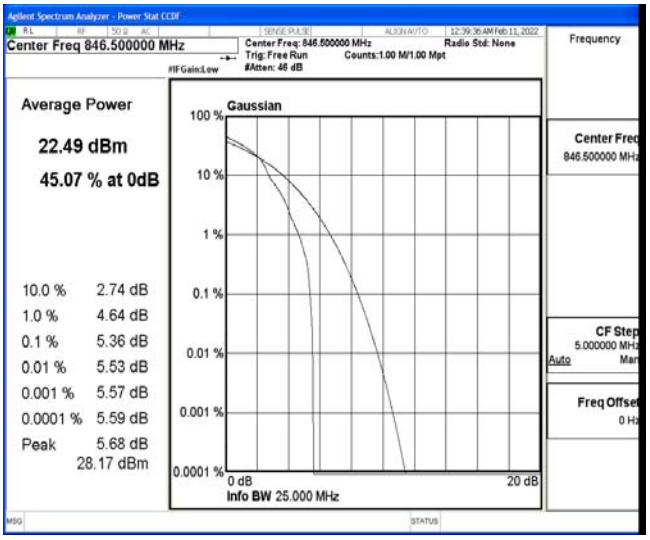

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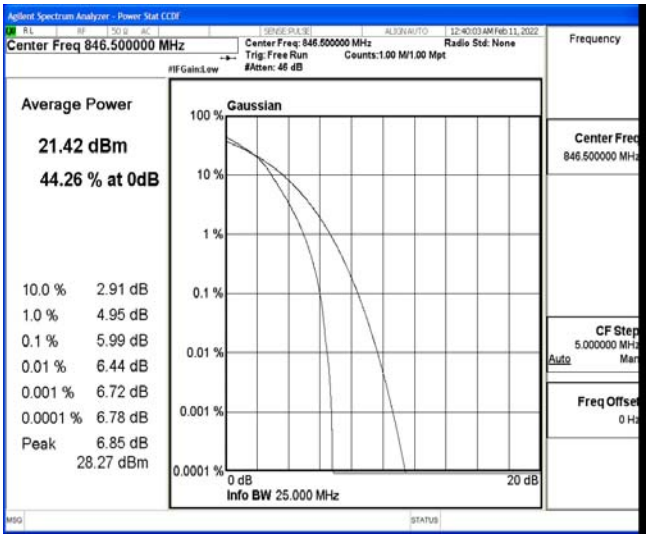

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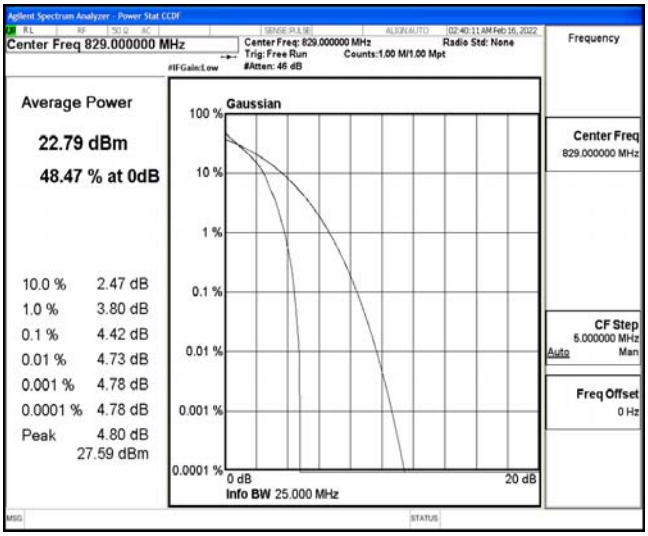

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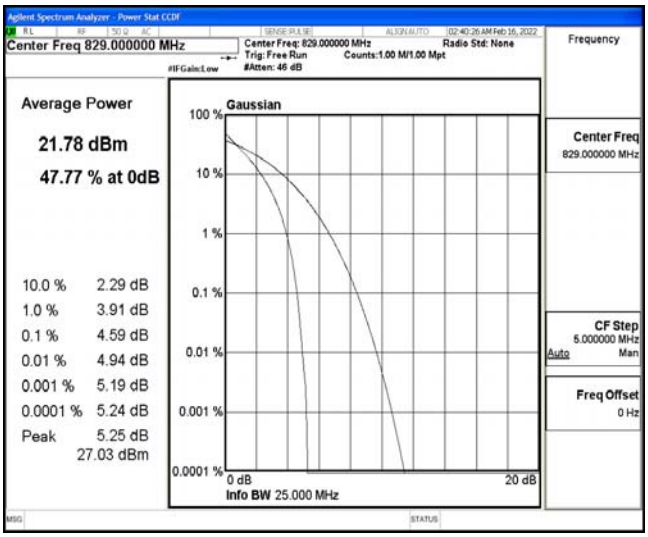

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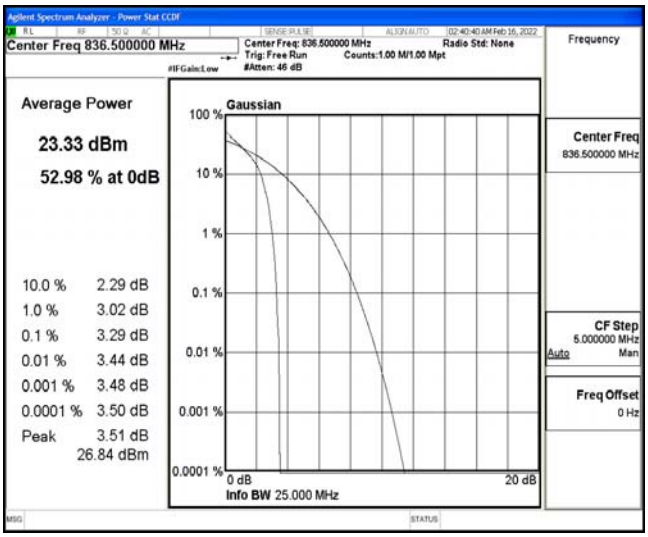

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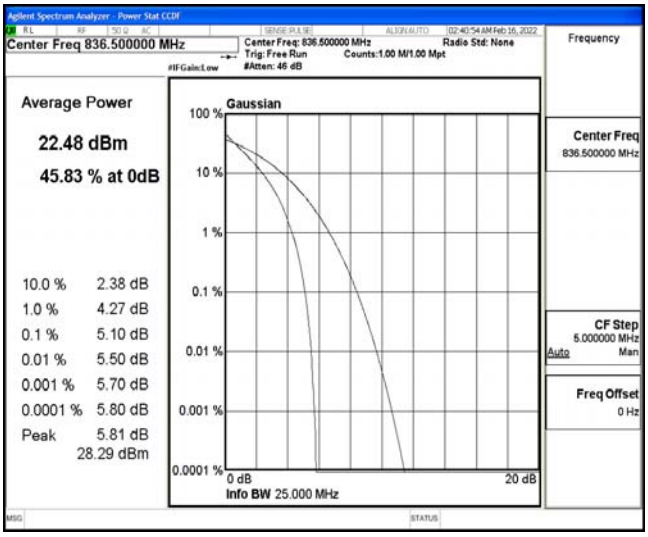

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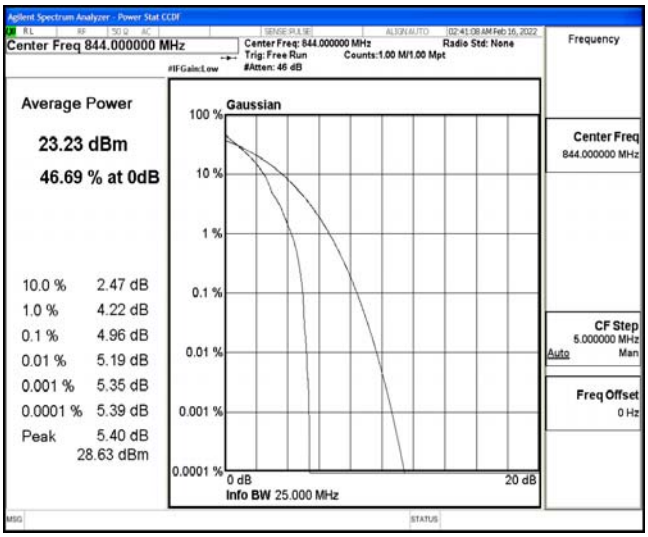

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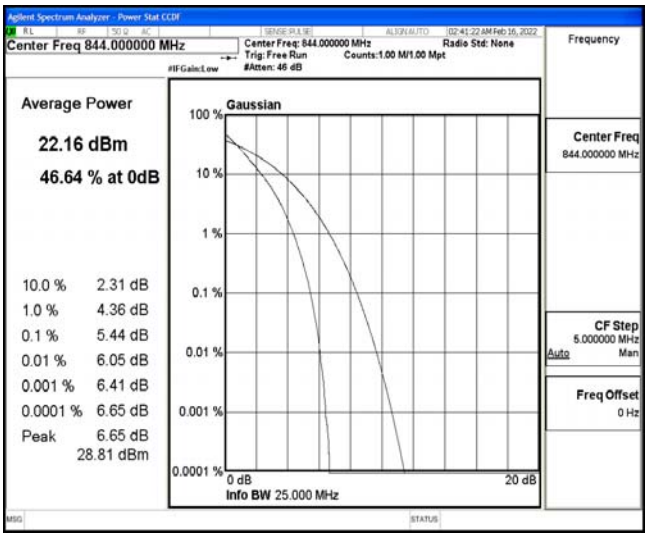

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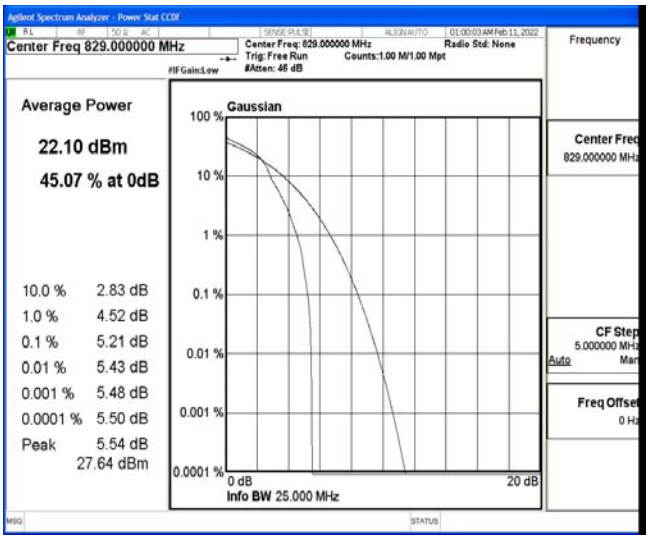

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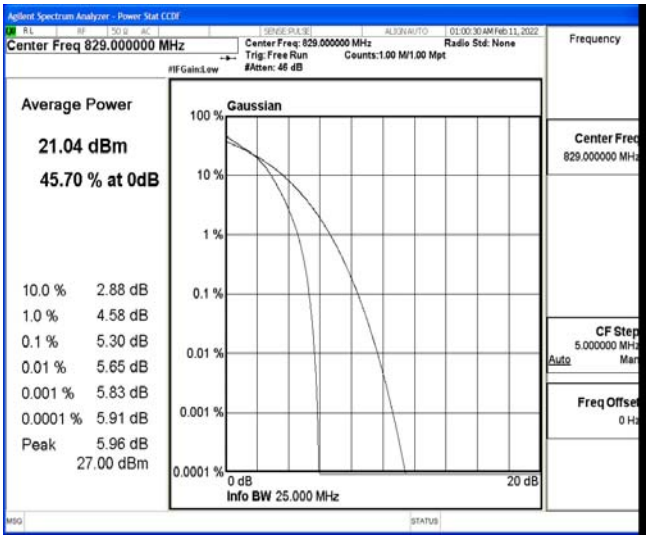

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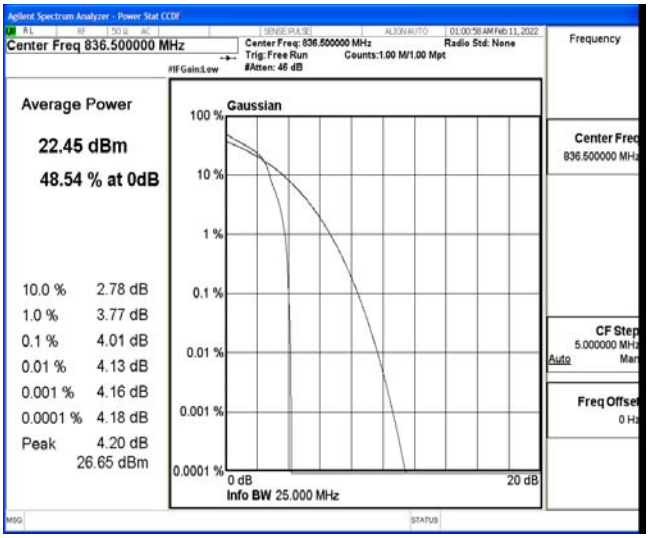

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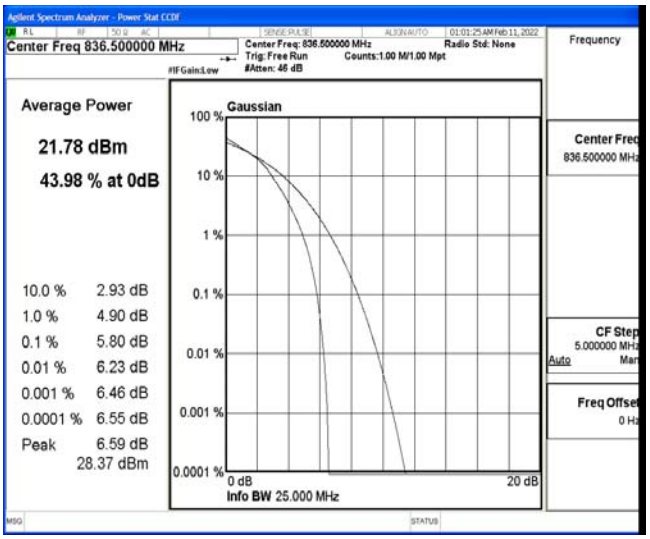

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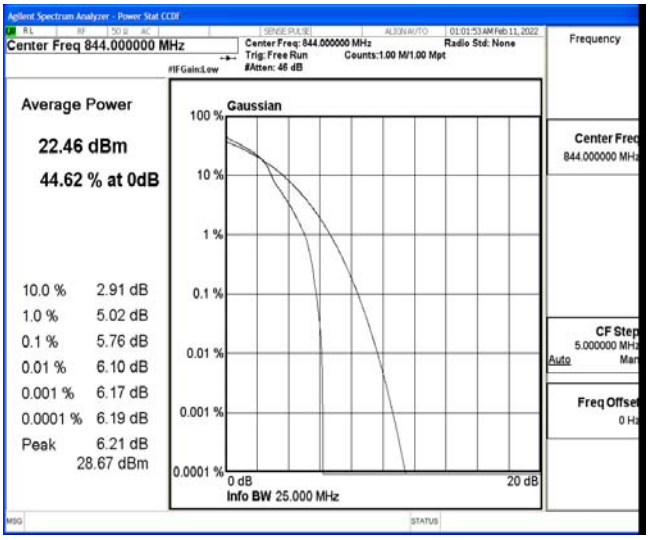
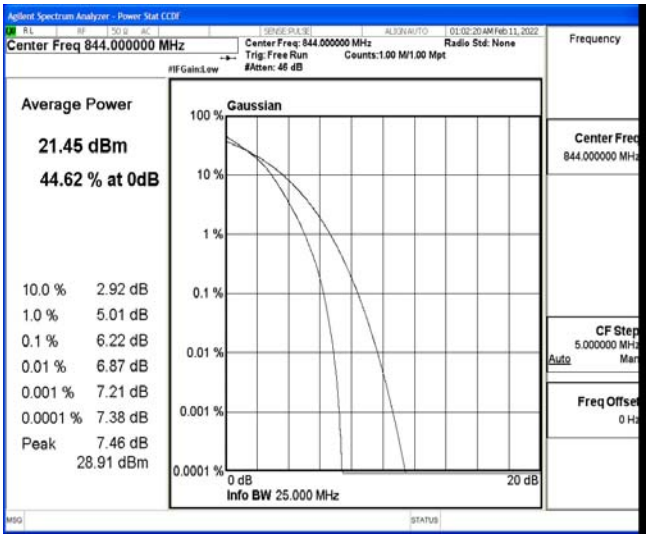


Band5-10MHz-16QAM-20600-50RB#0

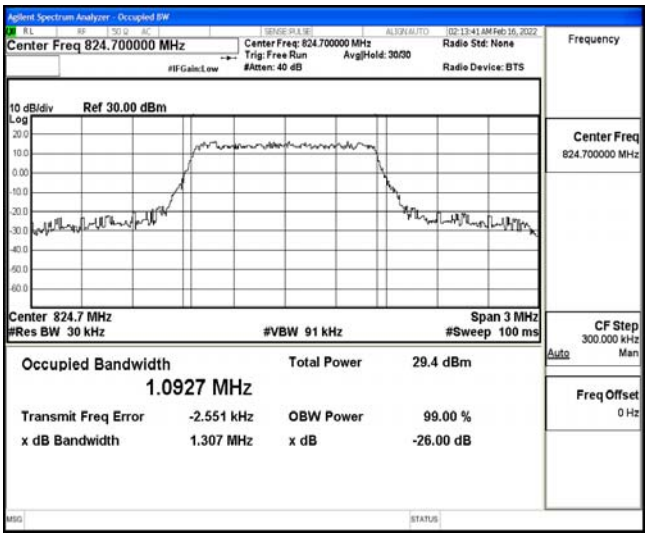

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.45 dBm
44.62 % at 0dB
10.0 % 2.92 dB
1.0 % 5.01 dB
0.1 % 6.22 dB
0.01 % 6.87 dB
0.001 % 7.21 dB
0.0001 % 7.38 dB
Peak 7.46 dB
28.91 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
844.000000 MHz
CF Step
5.000000 MHz
Auto
Freq Offset
0 Hz

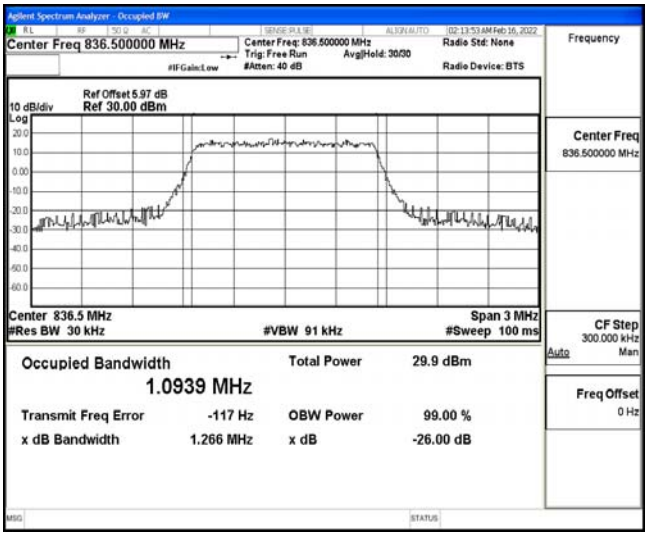
F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

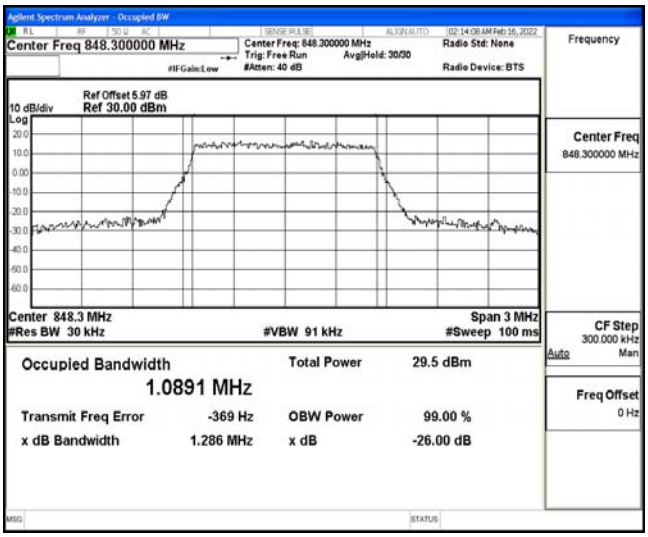
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0927	1.307	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0939	1.266	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0891	1.286	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0945	1.288	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0966	1.278	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0989	1.308	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6817	2.888	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6846	2.899	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6957	2.901	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6821	2.897	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6797	2.898	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6819	2.888	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5112	5.135	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5187	5.212	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5040	5.132	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5190	5.152	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5290	5.216	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5144	5.130	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9957	10.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0352	10.14	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9836	9.963	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9914	9.974	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0192	10.02	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9620	10.00	PASS

Test Graphs

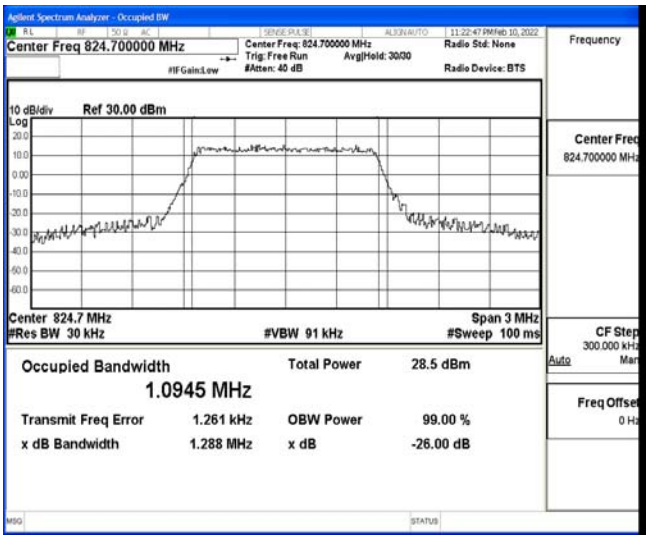
Band5-1.4MHz-QPSK-20407-6RB#0


Band5-1.4MHz-QPSK-20525-6RB#0


Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



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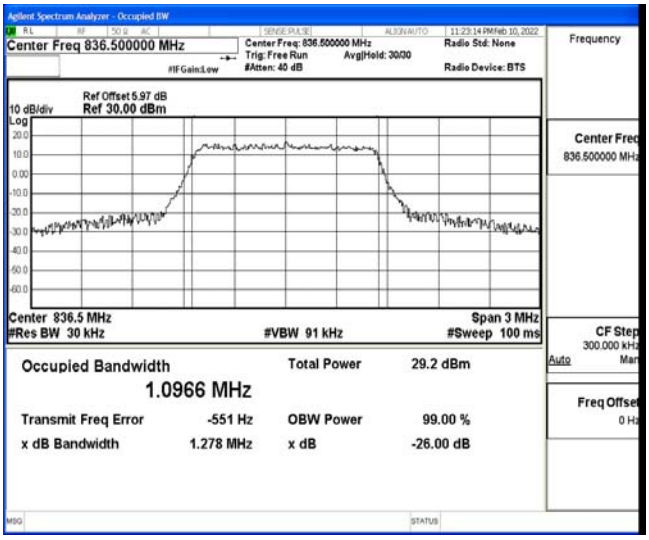
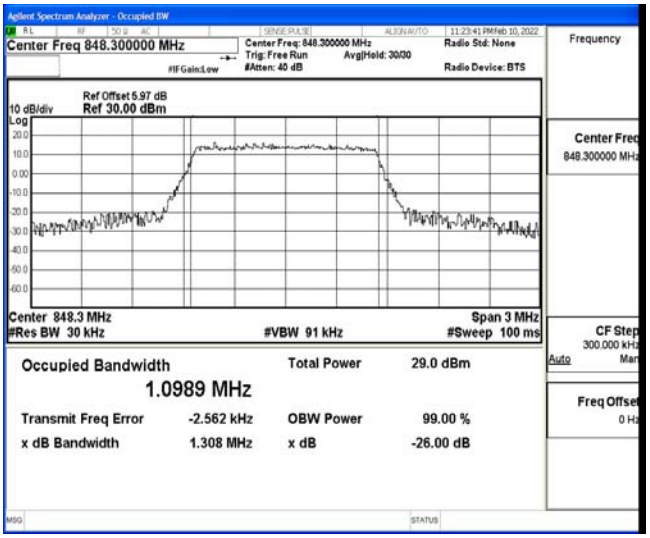
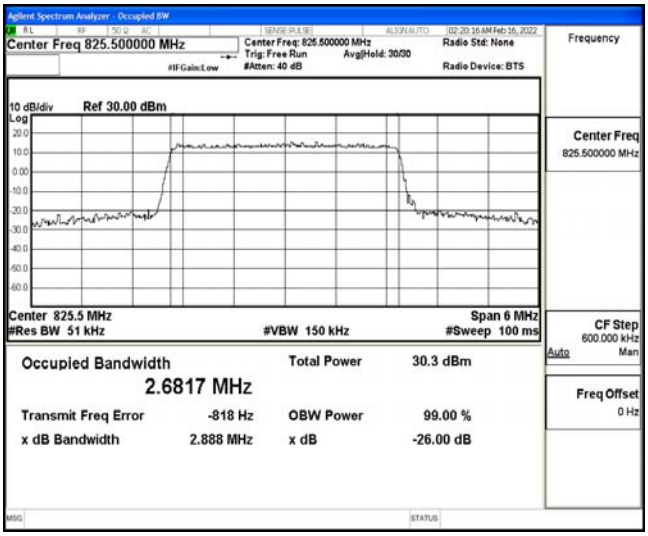


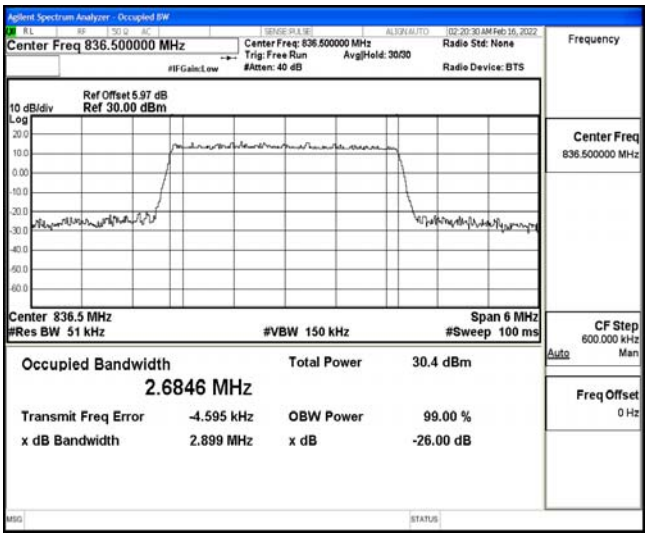
Band5-1.4MHz-16QAM-20643-6RB#0



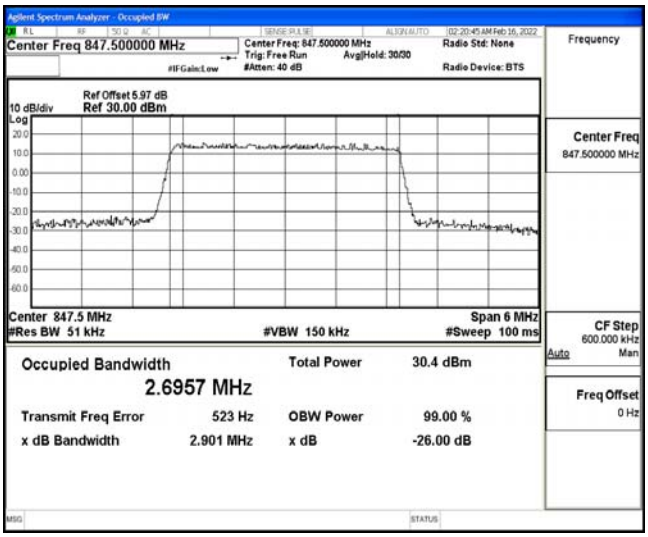
Band5-3MHz-QPSK-20415-15RB#0



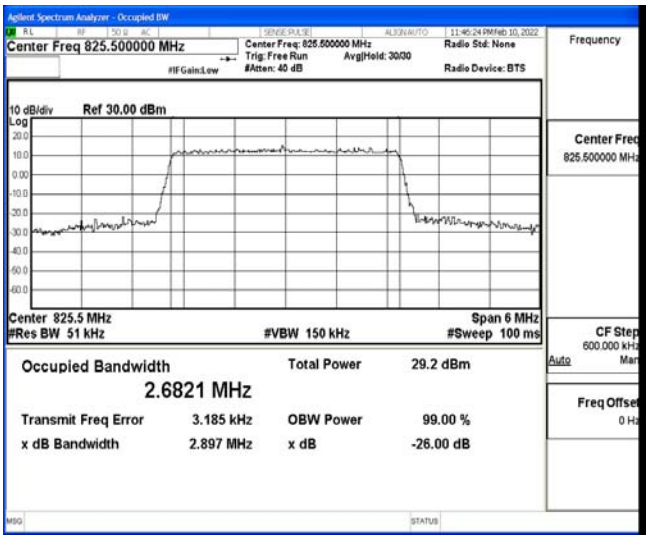
Band5-3MHz-QPSK-20525-15RB#0



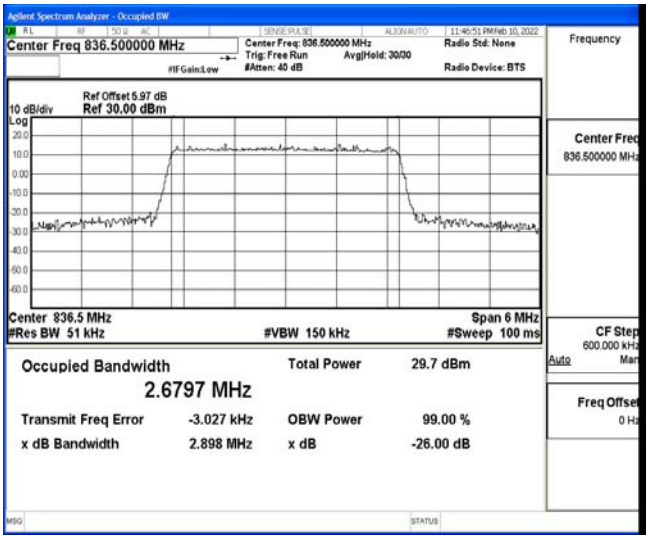
Band5-3MHz-QPSK-20635-15RB#0



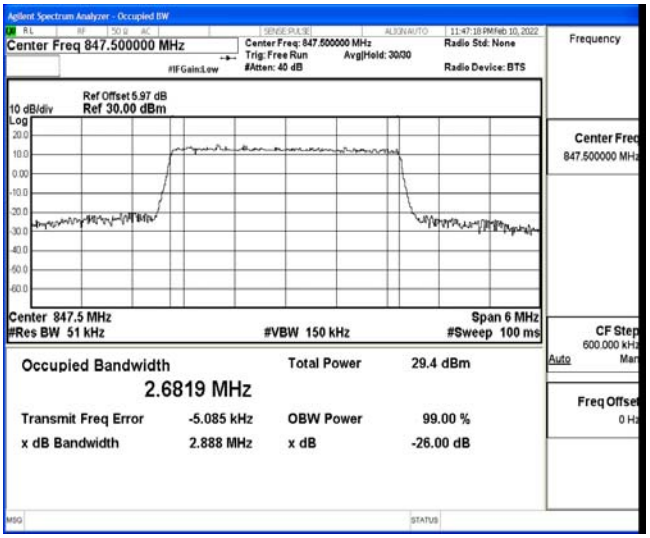
Band5-3MHz-16QAM-20415-15RB#0



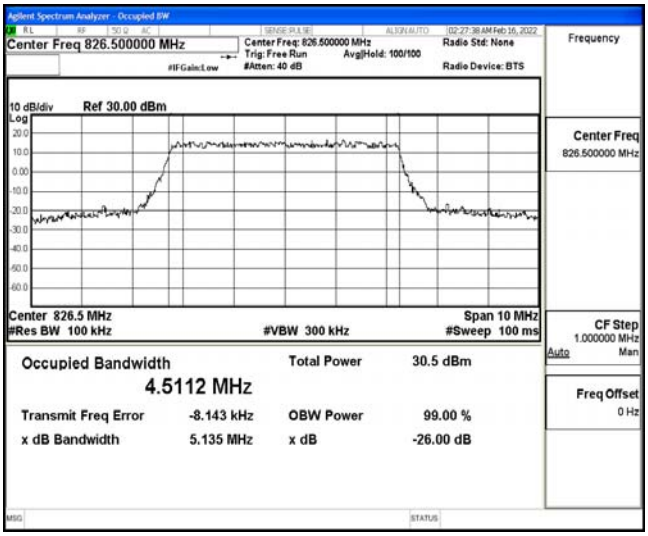
Band5-3MHz-16QAM-20525-15RB#0



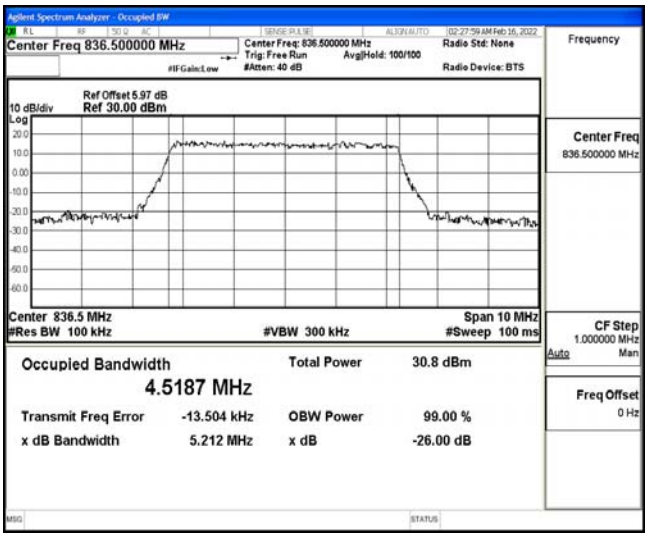
Band5-3MHz-16QAM-20635-15RB#0



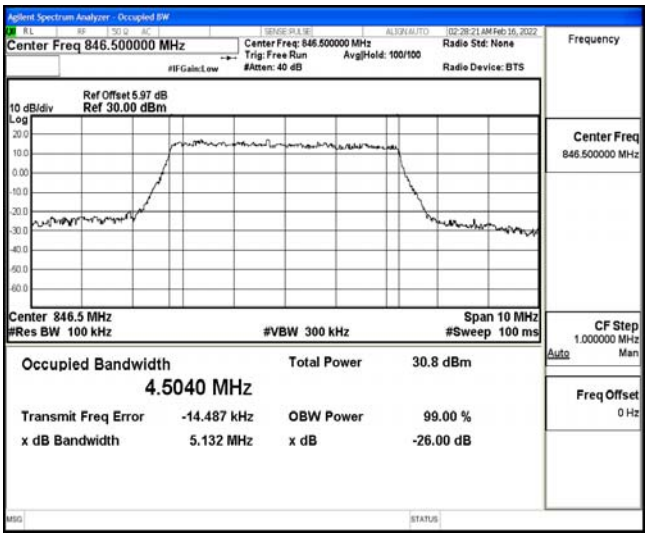
Band5-5MHz-QPSK-20425-25RB#0



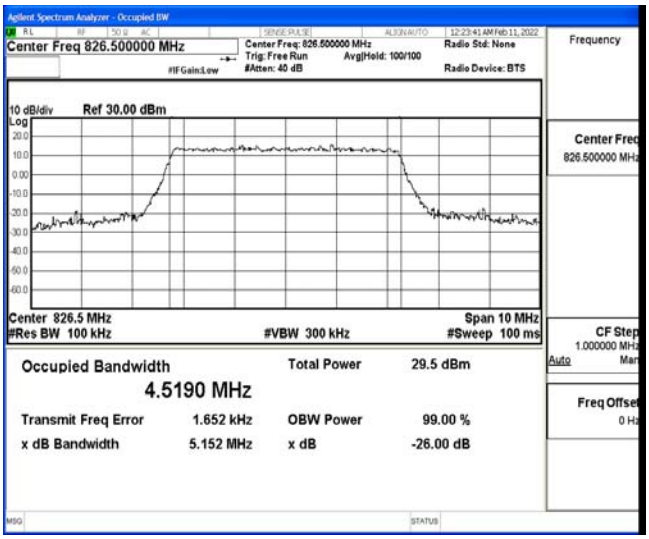
Band5-5MHz-QPSK-20525-25RB#0



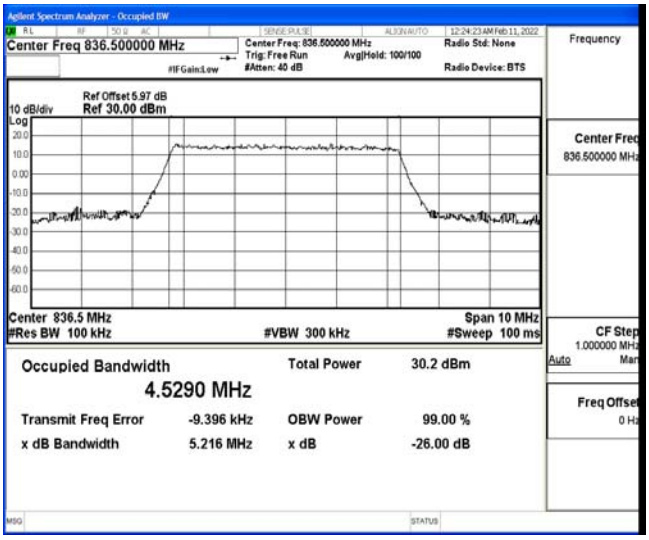
Band5-5MHz-QPSK-20625-25RB#0



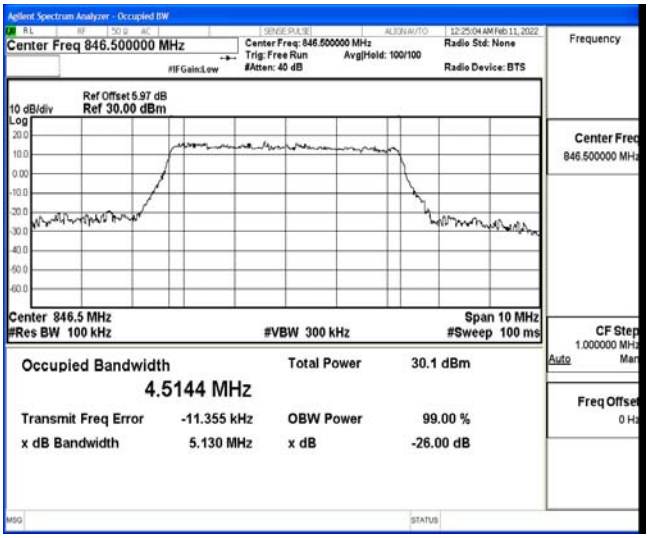
Band5-5MHz-16QAM-20425-25RB#0



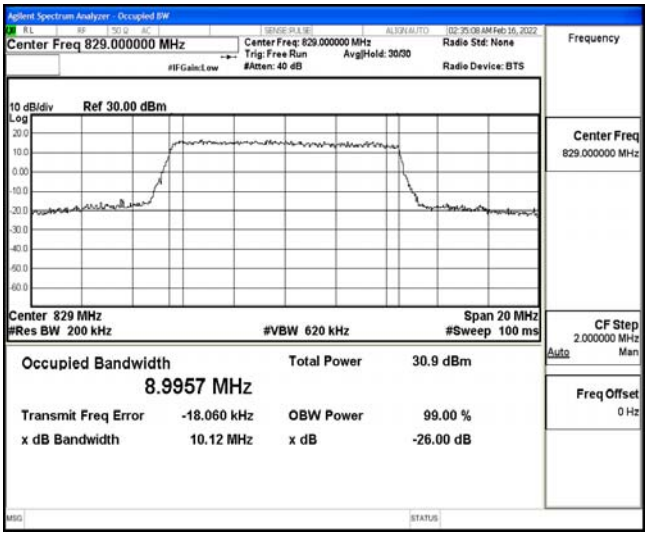
Band5-5MHz-16QAM-20525-25RB#0



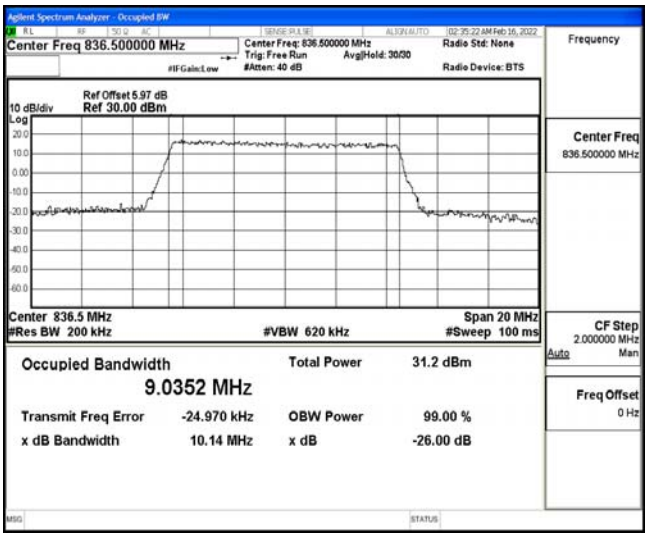
Band5-5MHz-16QAM-20625-25RB#0



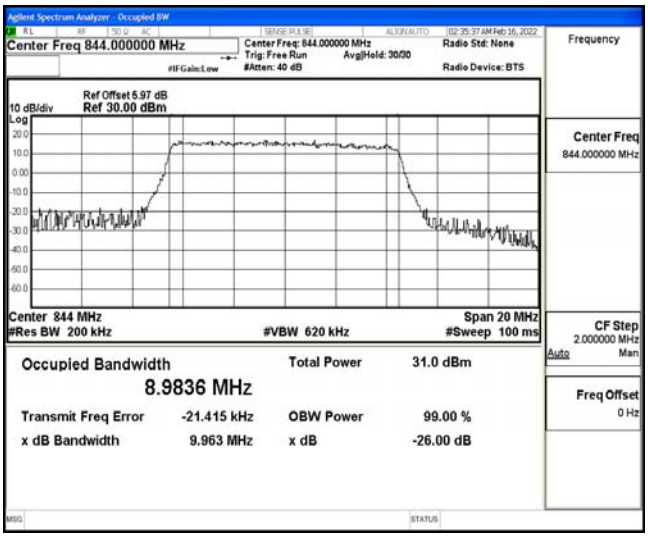
Band5-10MHz-QPSK-20450-50RB#0



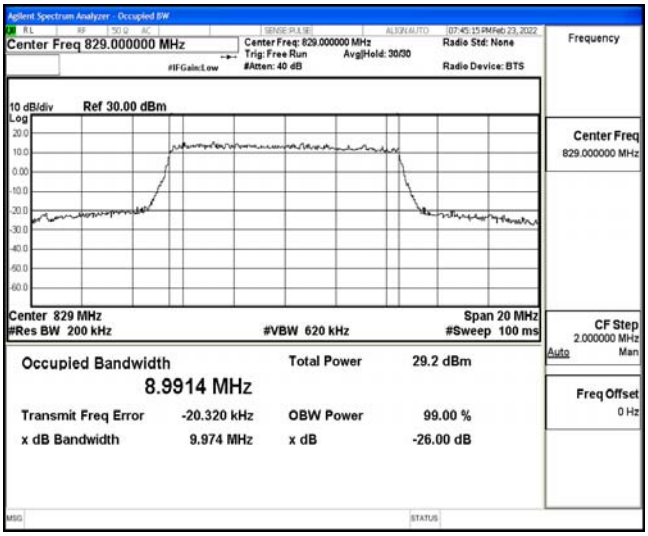
Band5-10MHz-QPSK-20525-50RB#0



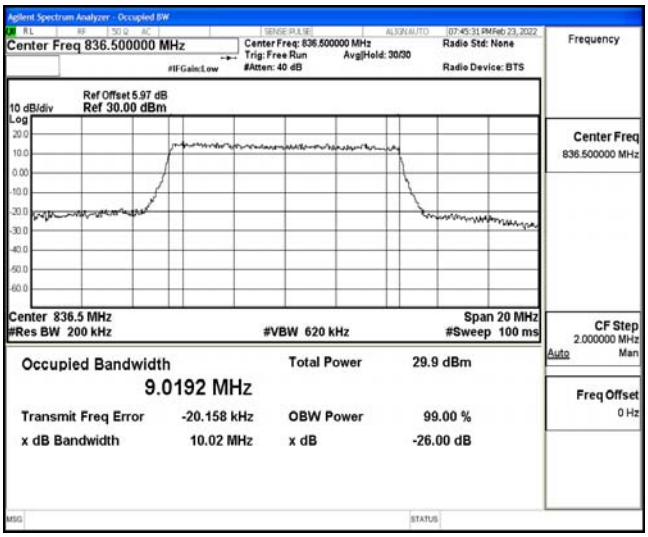
Band5-10MHz-QPSK-20600-50RB#0



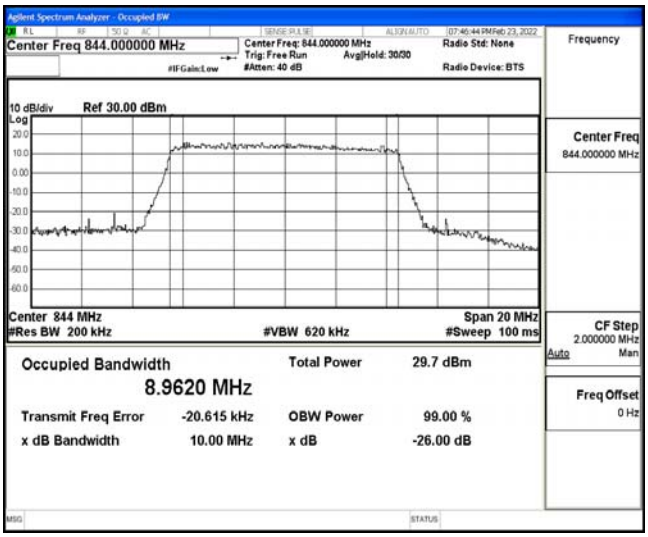
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
Center Freq
844.000000 MHz
Center 844 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9620 MHz
Total Power 29.7 dBm
Transmit Freq Error -20.615 kHz
OBW Power 99.00 %
x dB Bandwidth 10.00 MHz
x dB -26.00 dB
Freq Offset
0 Hz

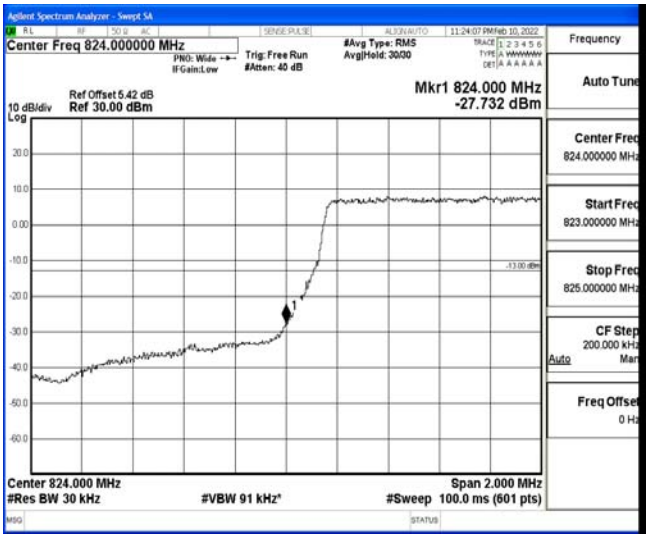
F.4 Band Edge

Test Result

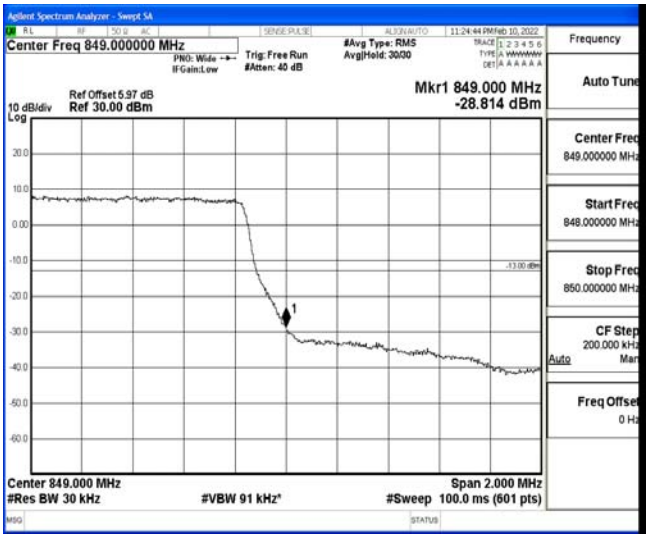
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-27.73	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-28.81	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.94	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-31.25	PASS
Band5	3MHz	QPSK	20415	15RB#0	-29.23	PASS
Band5	3MHz	QPSK	20635	15RB#0	-30.13	PASS
Band5	3MHz	16QAM	20415	15RB#0	-31.36	PASS
Band5	3MHz	16QAM	20635	15RB#0	-32.08	PASS
Band5	5MHz	QPSK	20425	25RB#0	-23.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	-24.24	PASS
Band5	5MHz	16QAM	20425	25RB#0	-24.23	PASS
Band5	5MHz	16QAM	20625	25RB#0	-24.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	-24.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	-29.52	PASS
Band5	10MHz	16QAM	20450	50RB#0	-26.71	PASS
Band5	10MHz	16QAM	20600	50RB#0	-30.49	PASS

Test Graphs

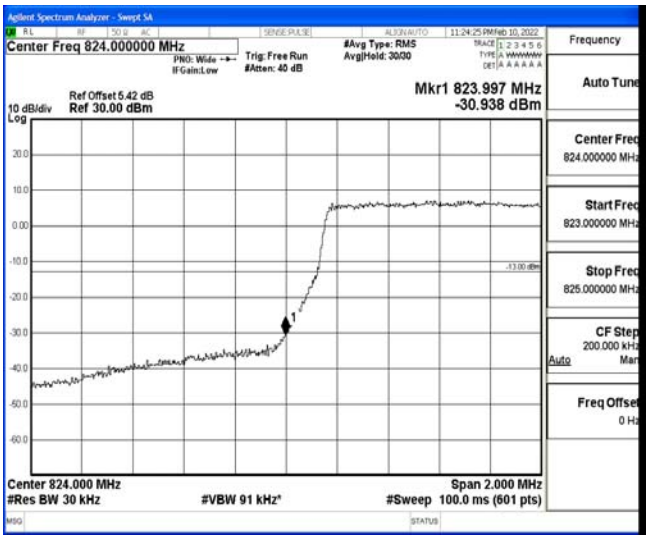
Band5-1.4MHz-QPSK-20407-6RB#0



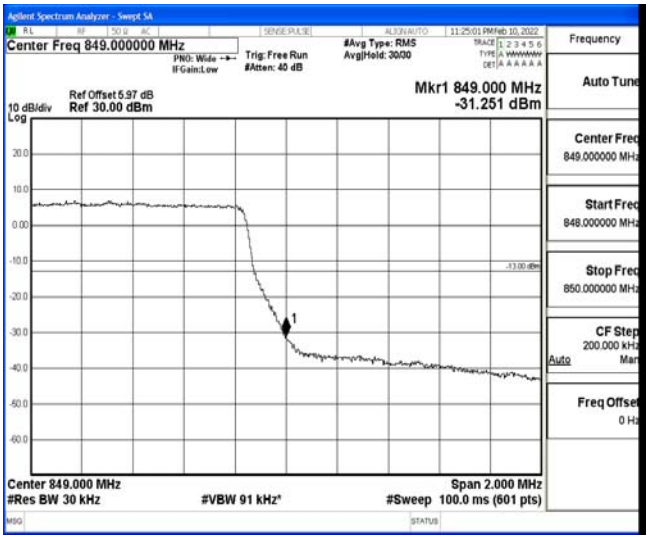
Band5-1.4MHz-QPSK-20643-6RB#0



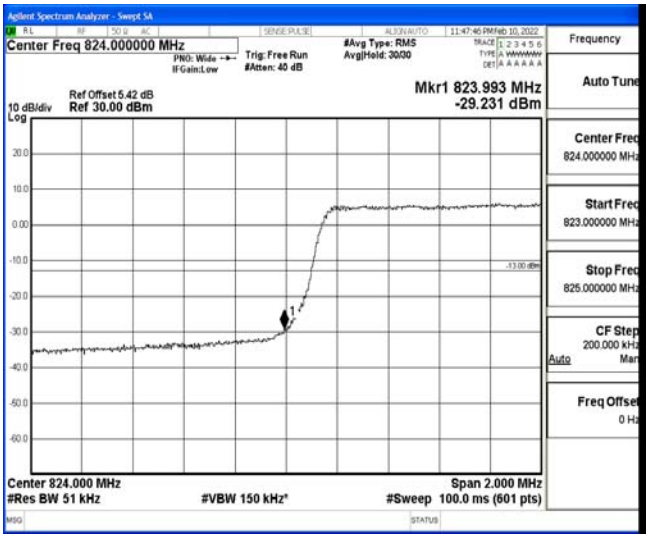
Band5-1.4MHz-16QAM-20407-6RB#0



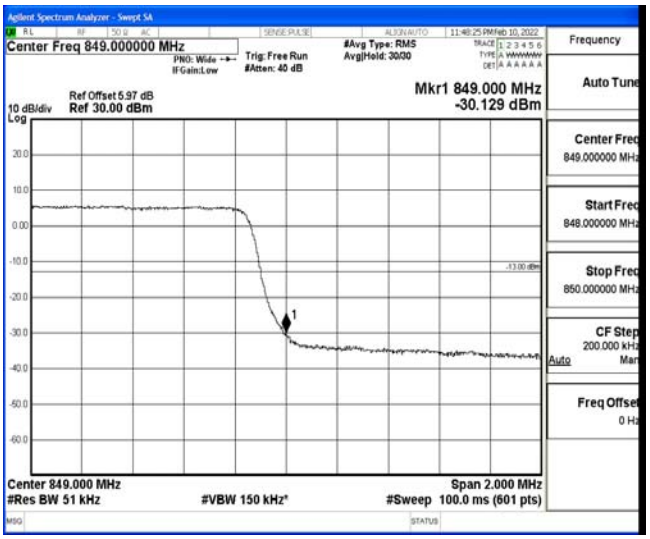
Band5-1.4MHz-16QAM-20643-6RB#0



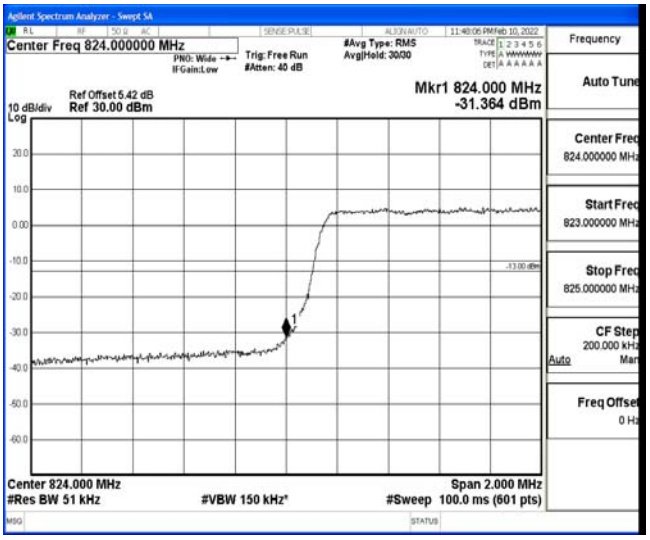
Band5-3MHz-QPSK-20415-15RB#0



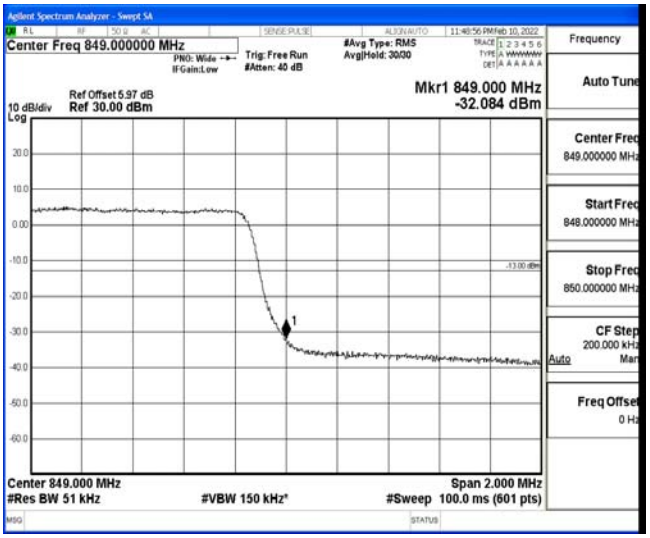
Band5-3MHz-QPSK-20635-15RB#0



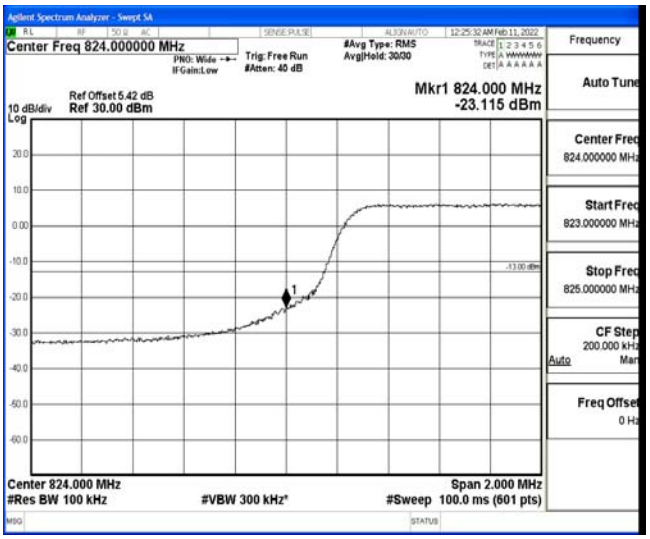
Band5-3MHz-16QAM-20415-15RB#0



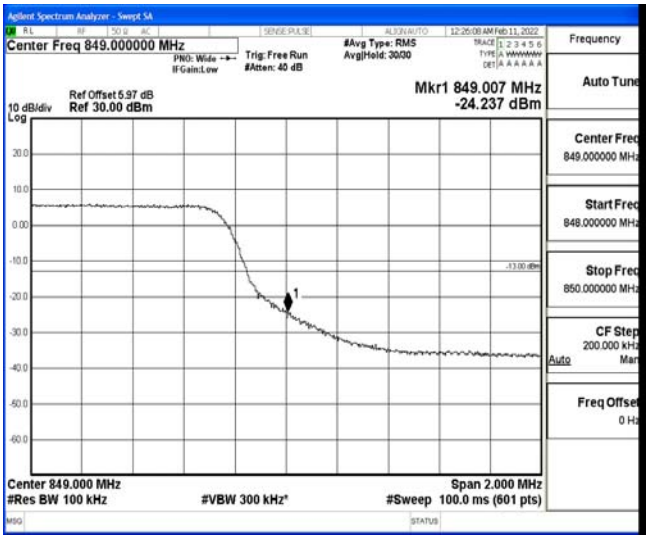
Band5-3MHz-16QAM-20635-15RB#0



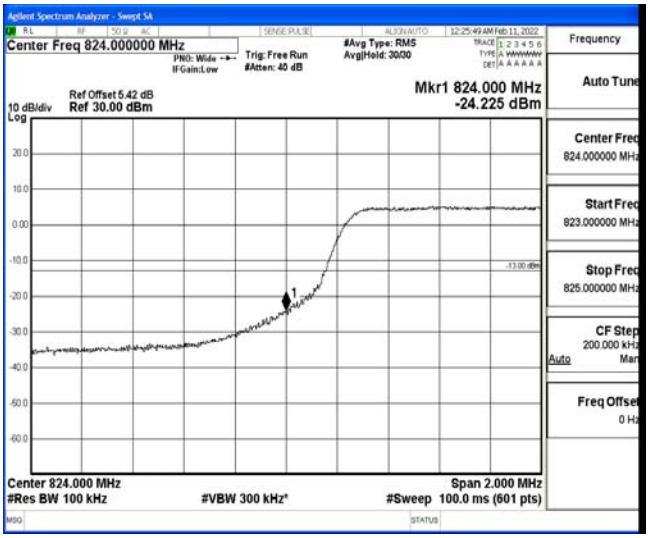
Band5-5MHz-QPSK-20425-25RB#0



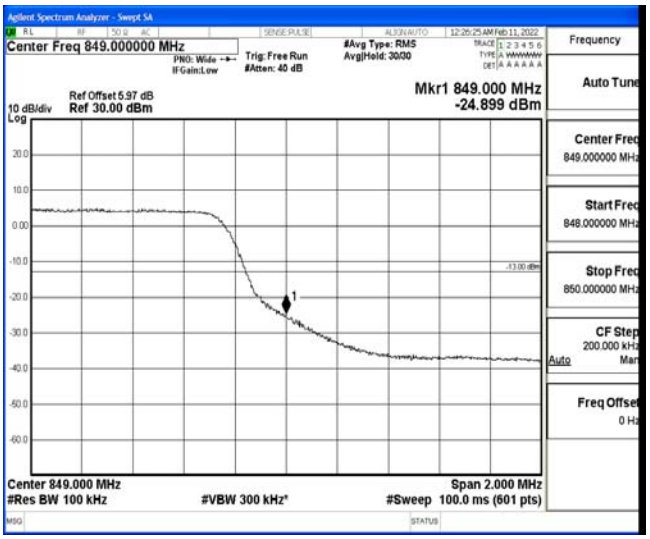
Band5-5MHz-QPSK-20625-25RB#0



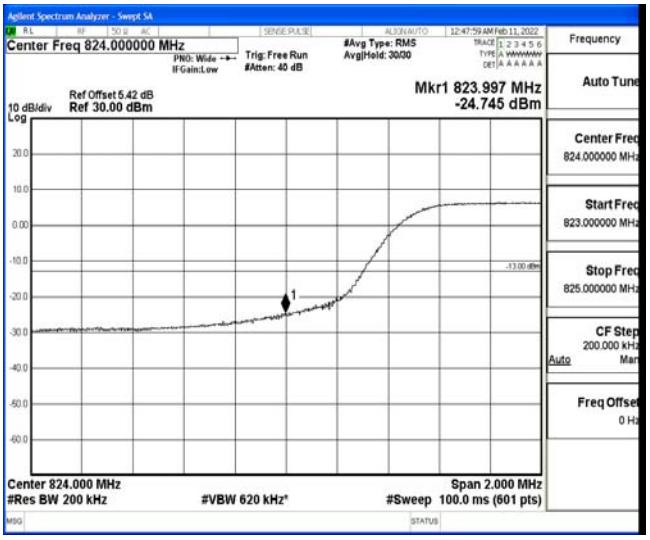
Band5-5MHz-16QAM-20425-25RB#0



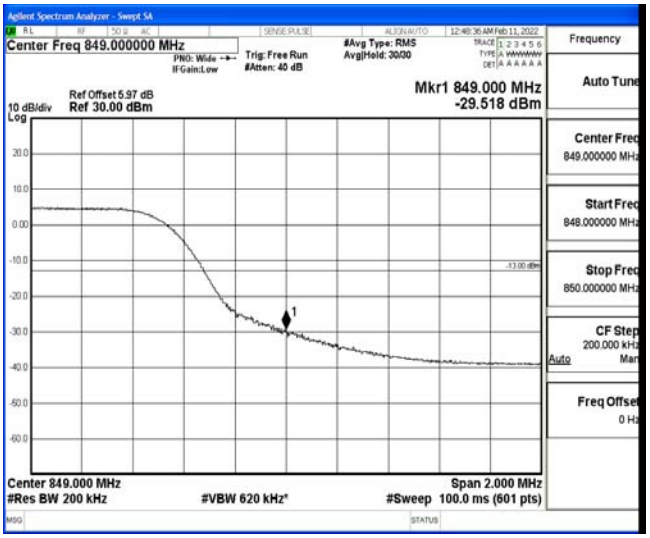
Band5-5MHz-16QAM-20625-25RB#0



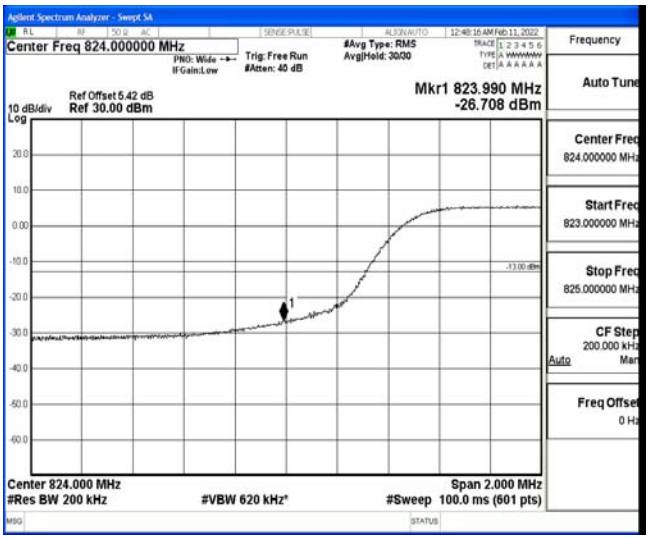
Band5-10MHz-QPSK-20450-50RB#0



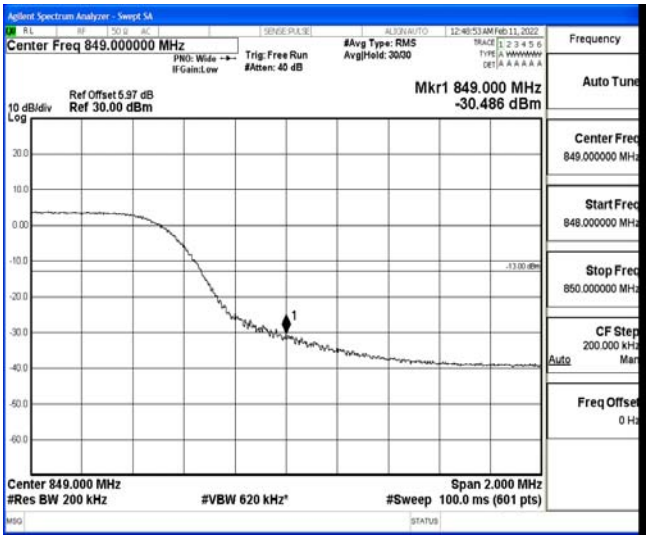
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



F.5 Conducted Spurious Emission

Test Result

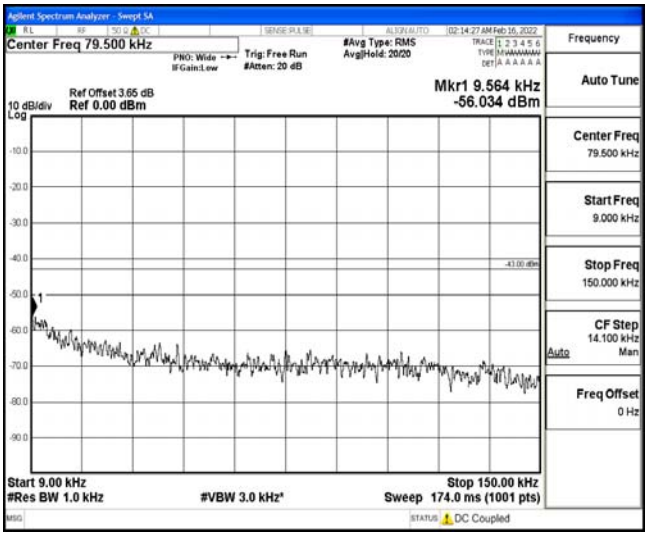
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-56.03	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-51.95	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-41.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-45.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.69	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.43	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-56.26	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-50.89	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-41.48	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-45.53	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-54.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-51.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-41.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-45.41	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.74	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-56.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-52.69	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-41.55	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-55.66	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-51.54	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-42.04	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-45.48	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.65	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.38	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.26	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.35	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-55.07	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-51.55	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-41.84	PASS

Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-45.5	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-56.64	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-52.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40.96	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-45.35	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.07	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.71	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.43	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-55.21	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-52.29	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-40.59	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-45.4	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-57.11	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-52.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-41.35	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-45.55	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.76	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.44	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-56.16	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-52.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-55.43	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-51.55	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-41.26	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-45.41	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.17	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.1	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.2	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-55.33	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-50.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-41.68	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-45.43	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-55.55	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-51.78	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-40.66	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-53.64	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.55	PASS

Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.71	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-55.69	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-51.99	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-41.47	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-55.86	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-53.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-41.15	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-45.41	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.02	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.36	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.91	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.37	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-56.36	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-51.5	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-45.44	PASS

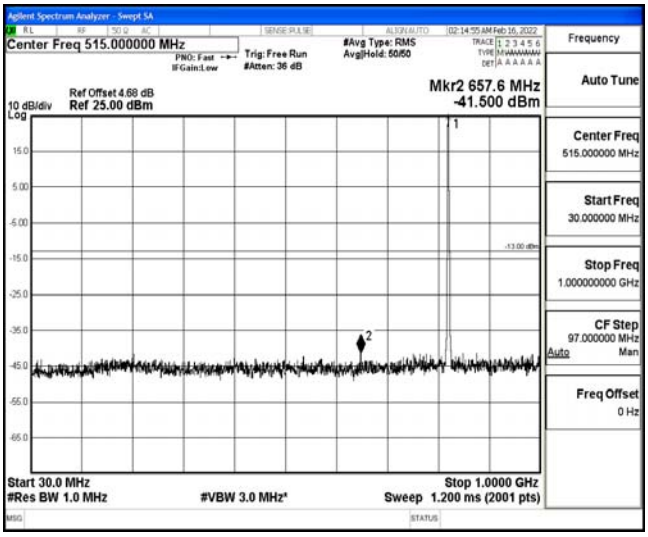
Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:0.009~0.15MHz

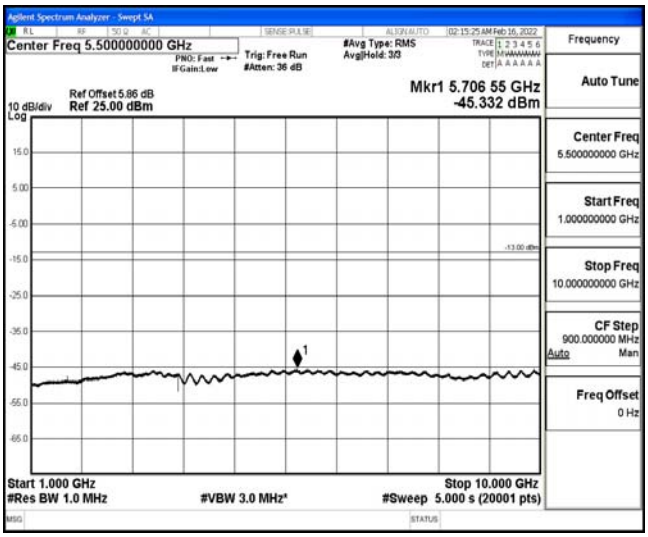


Band5-1.4MHz-QPSK-20407-1RB#0-Range2:0.15~30MHz

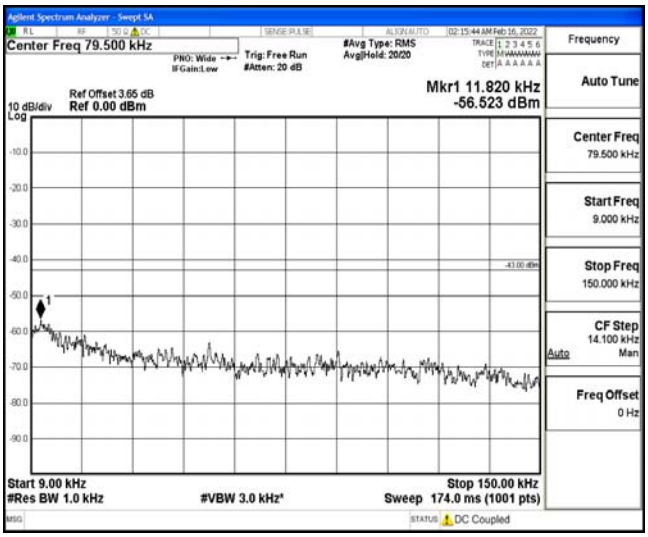
Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



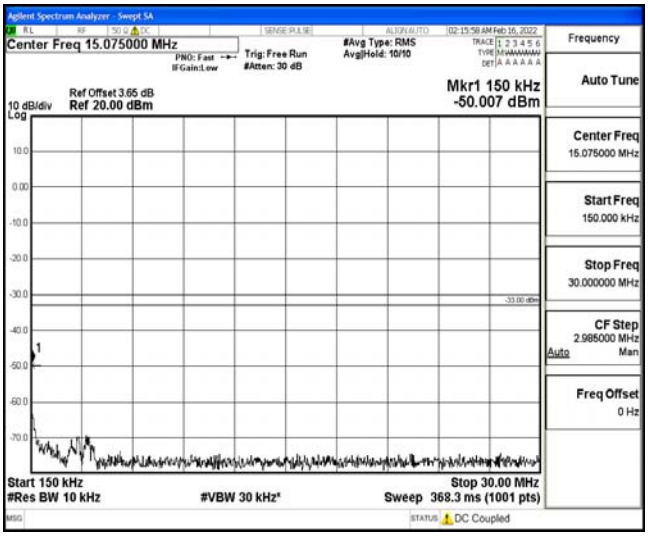
Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



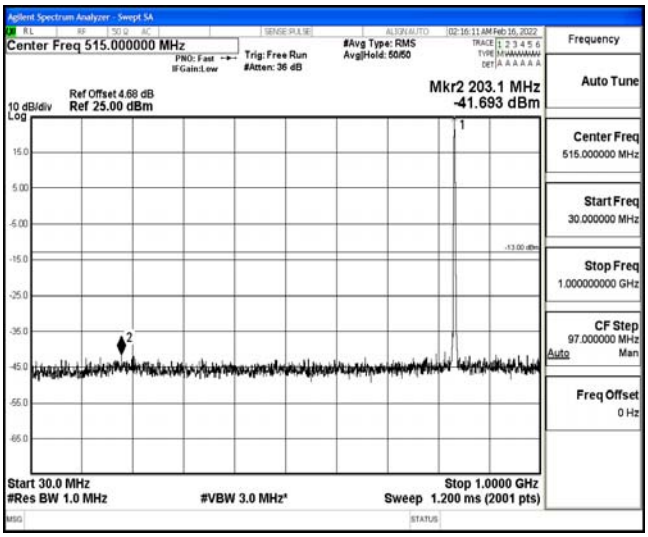
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



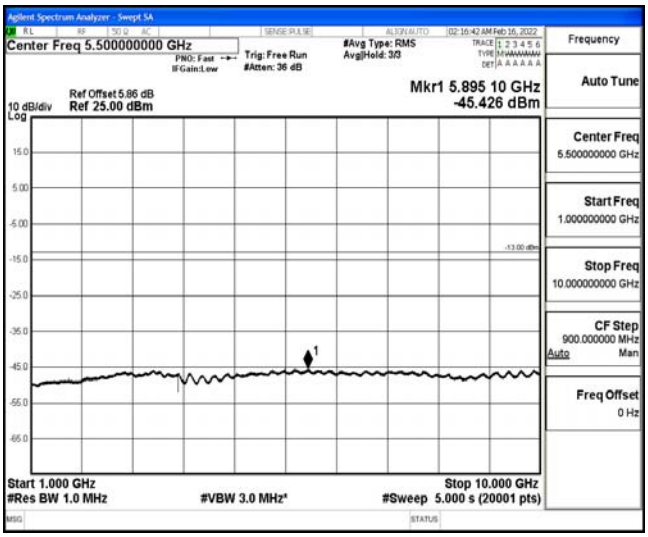
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



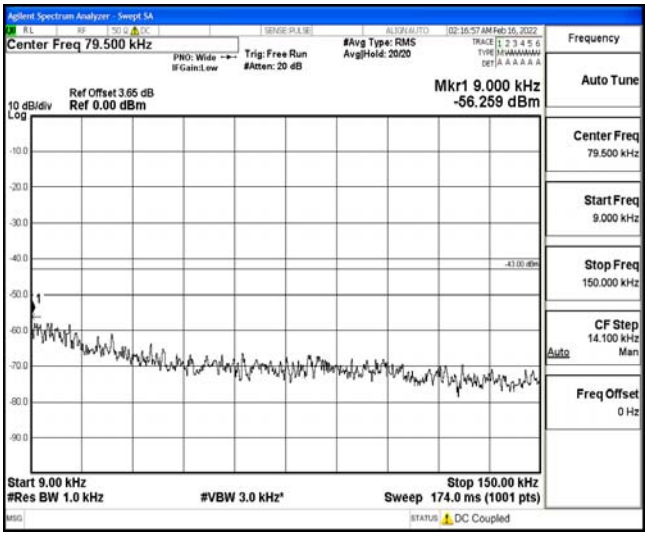
Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



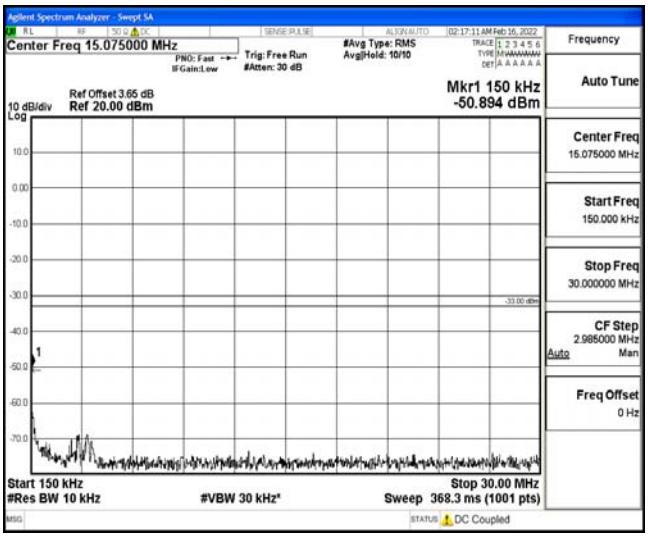
Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



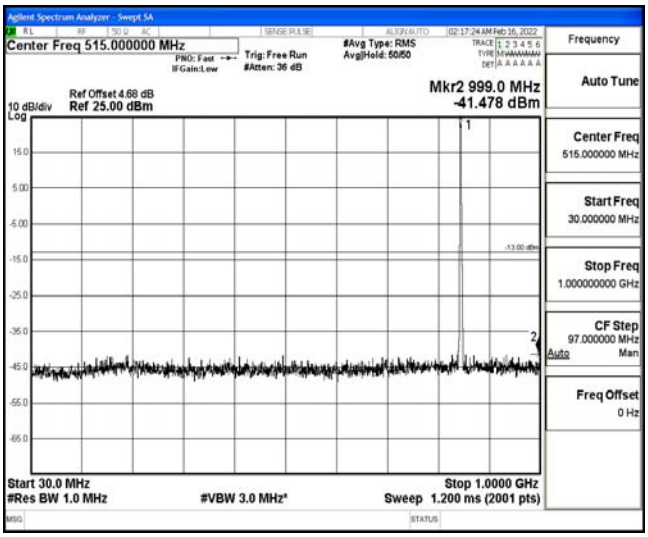
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz



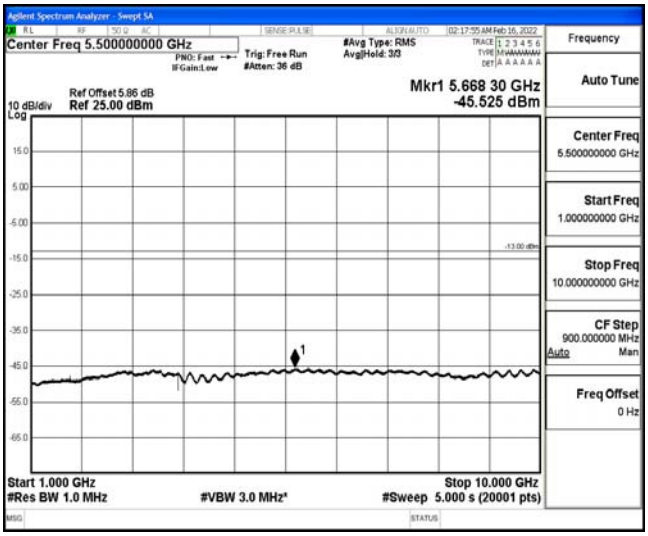
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz



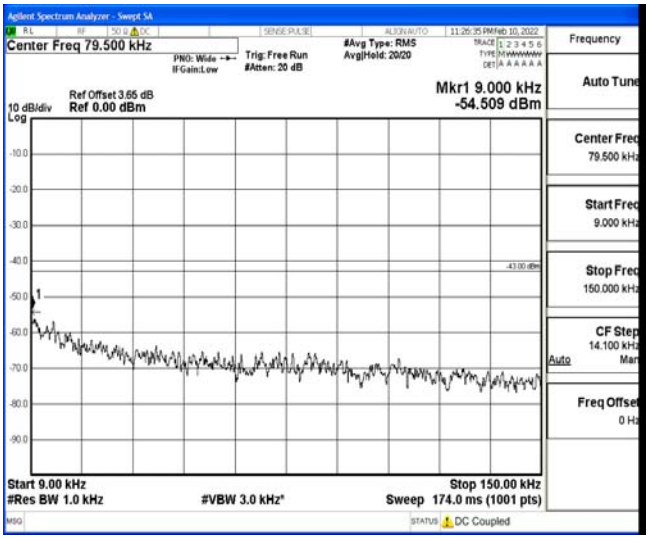
Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz

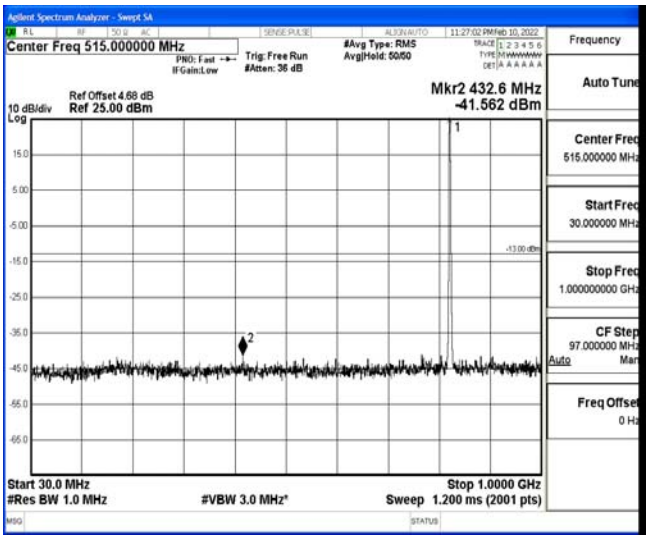


Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz

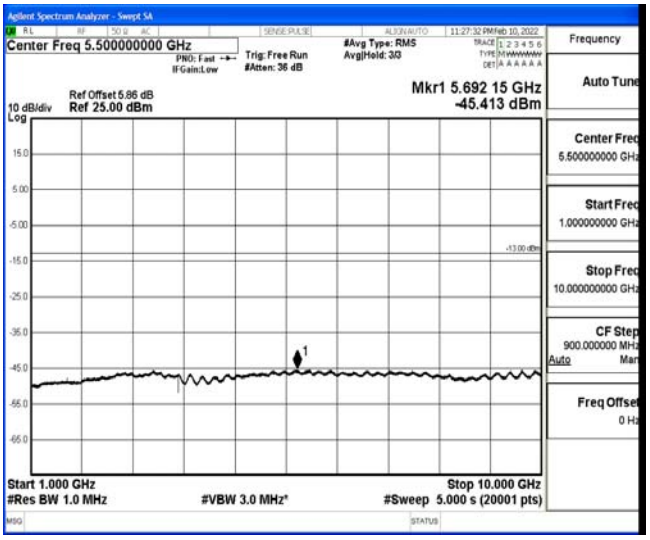


Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz

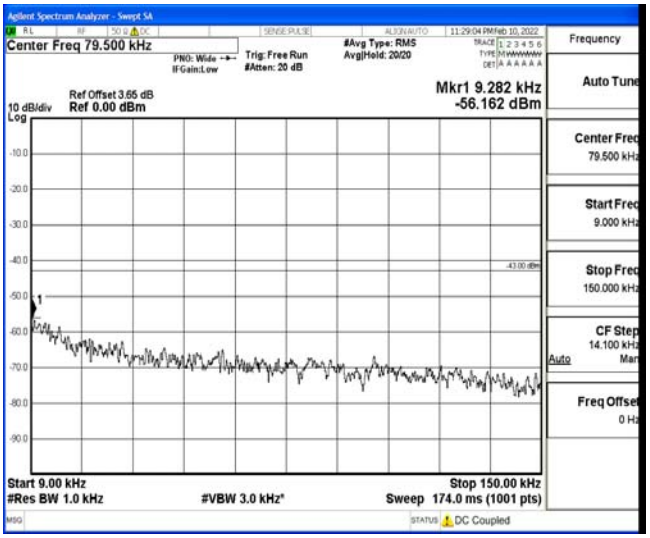
Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz



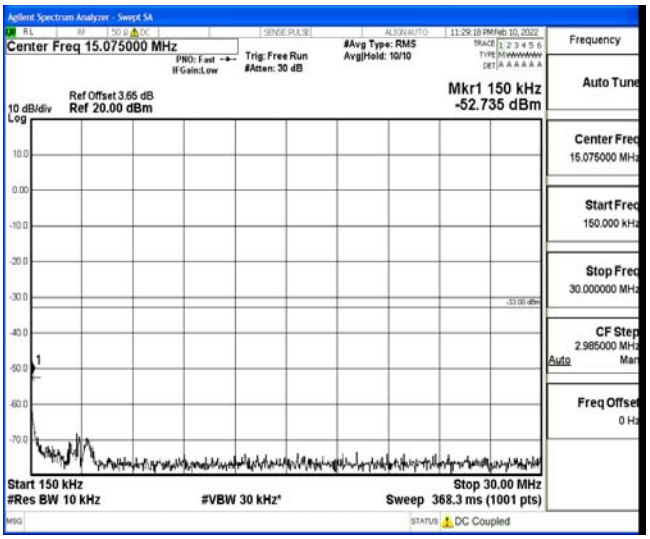
Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz



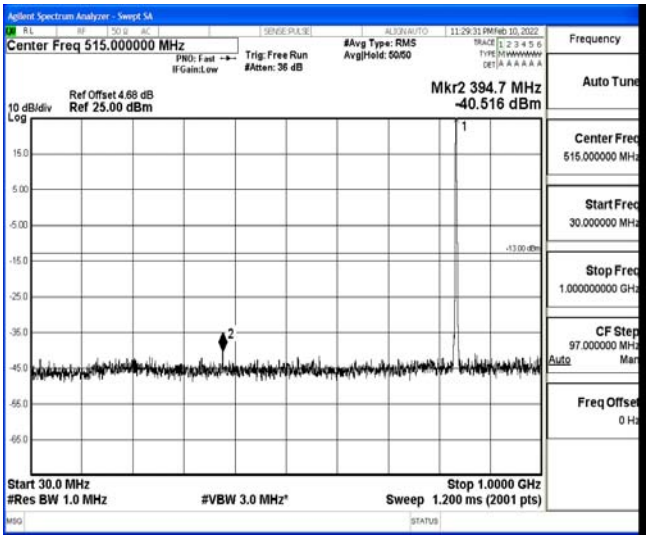
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



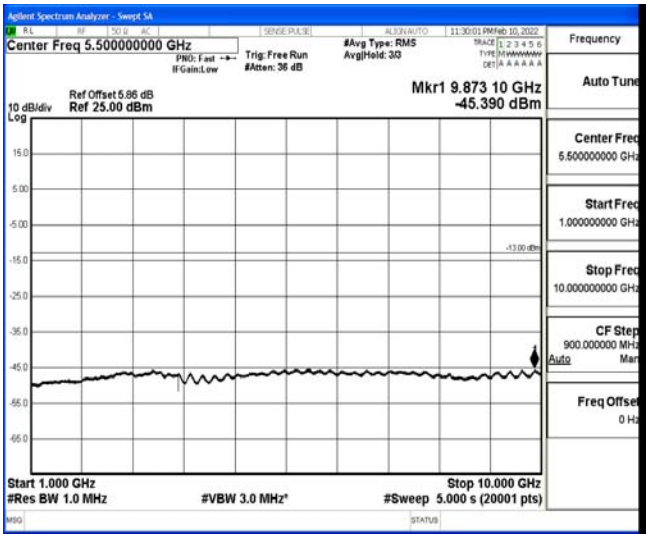
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



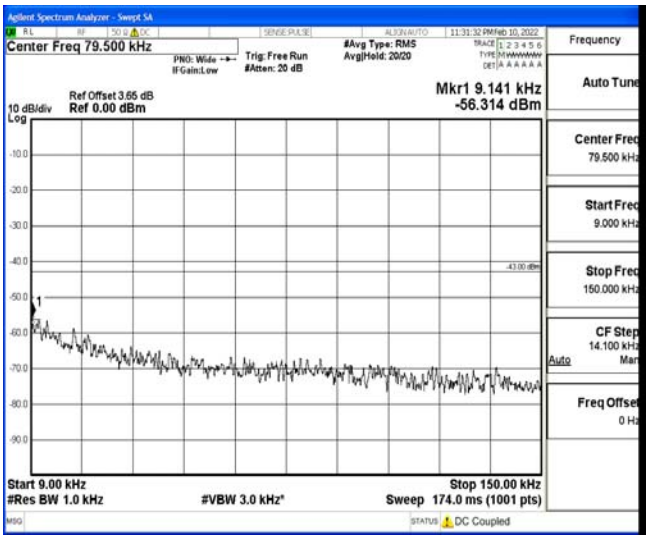
Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



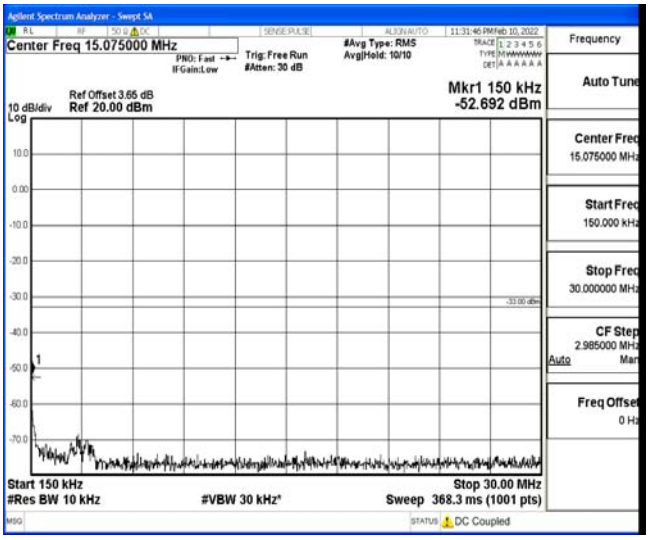
Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



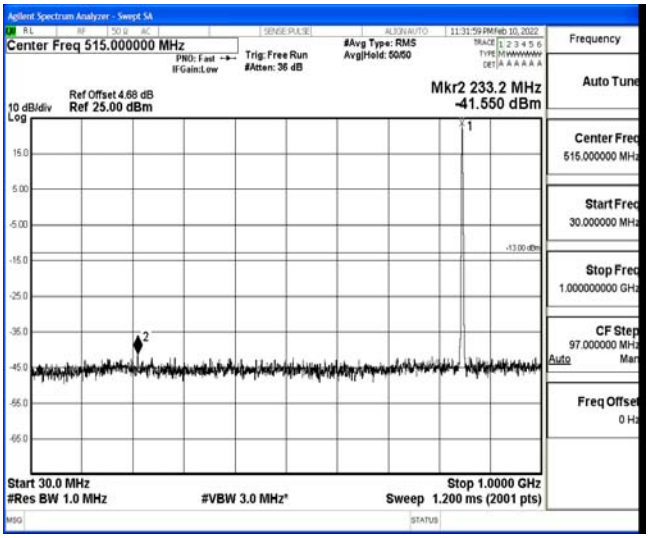
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



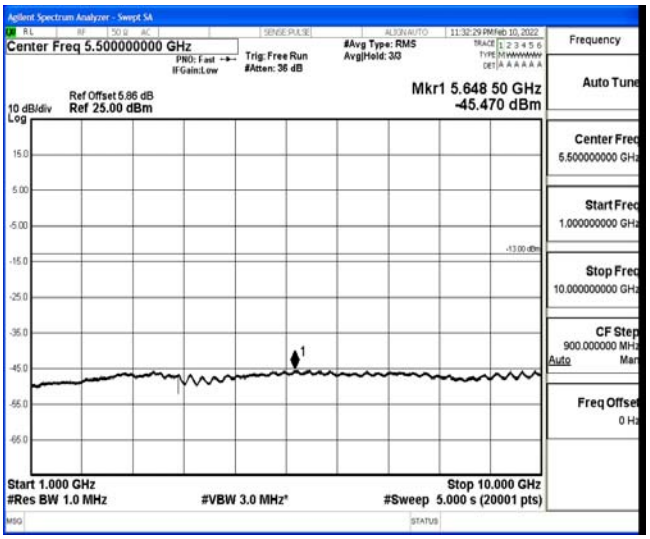
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



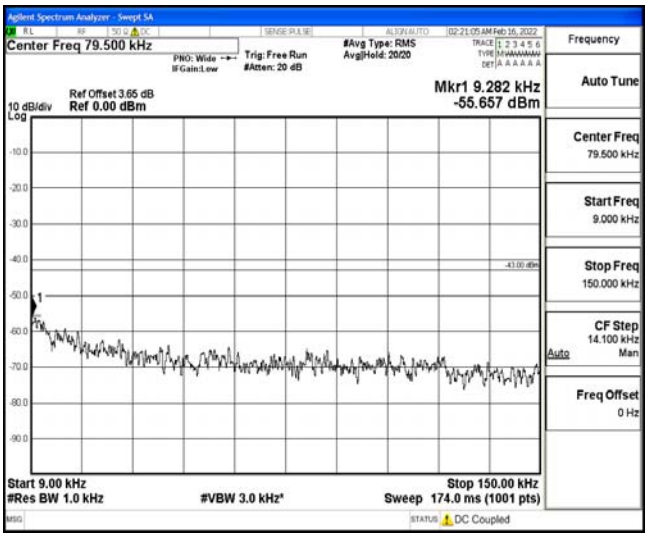
Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz



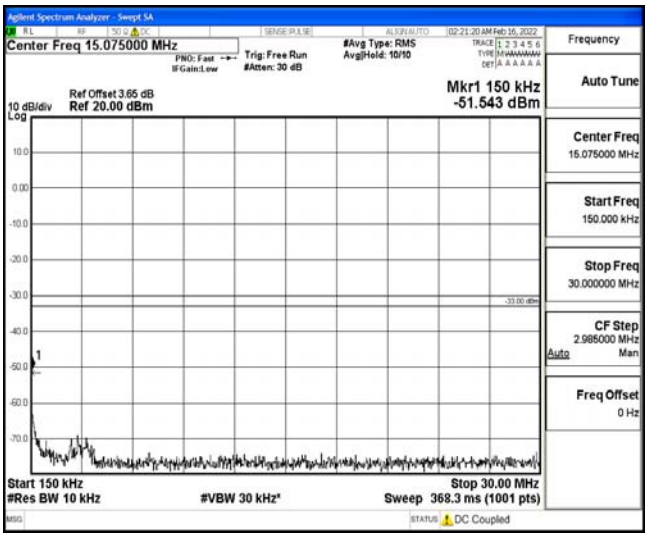
Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz



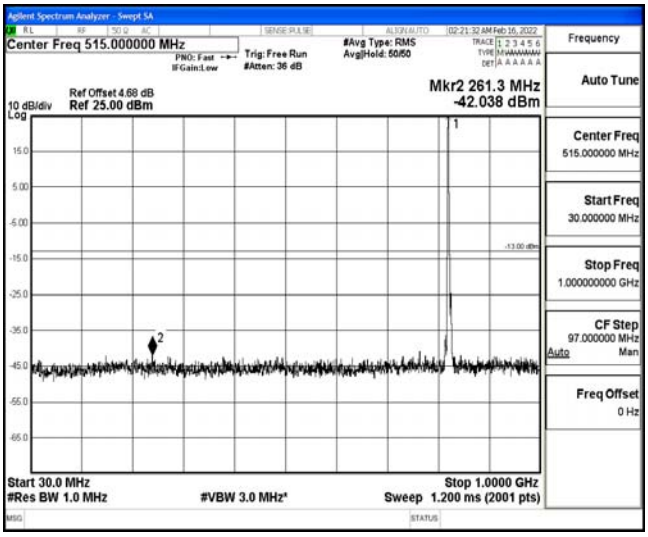
Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz



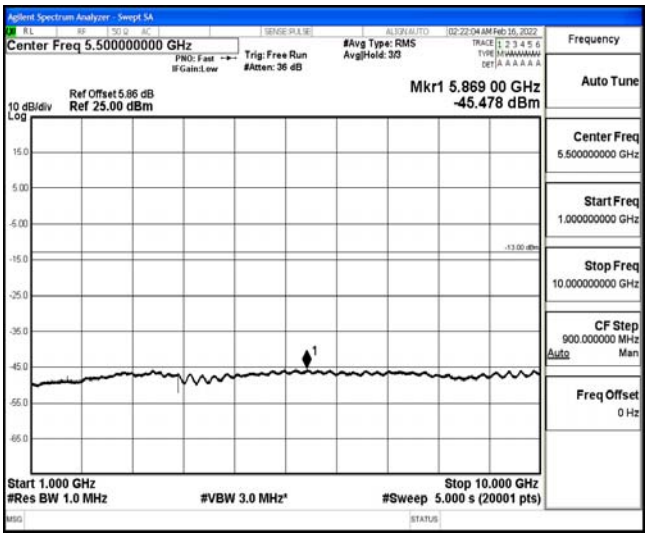
Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz



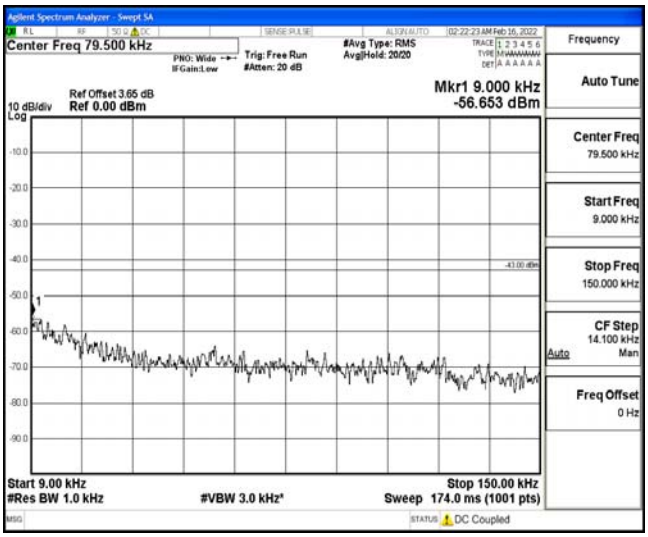
Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz



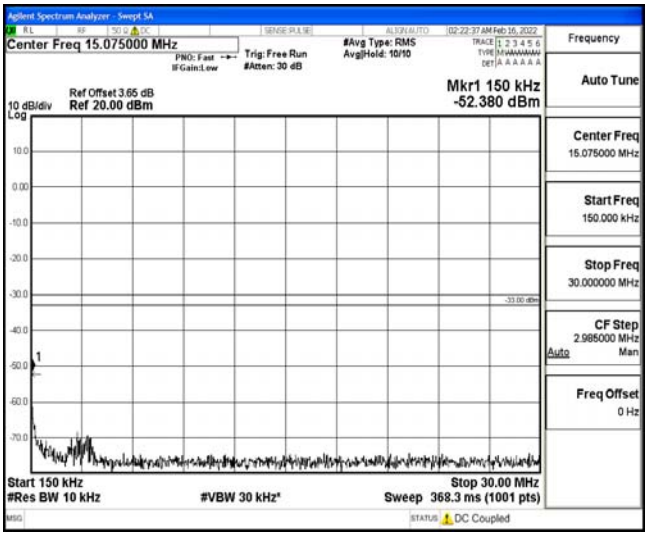
Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz



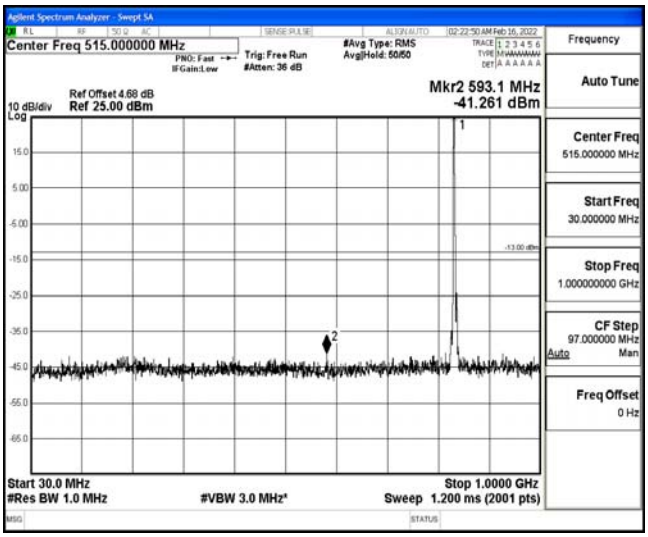
Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



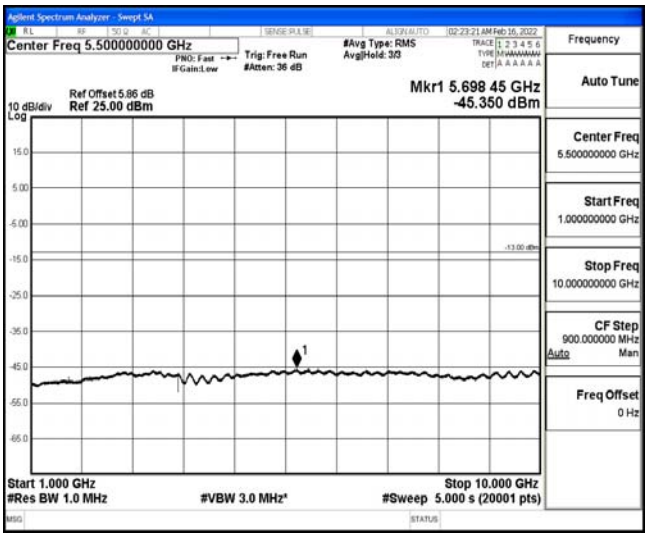
Band5-3MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



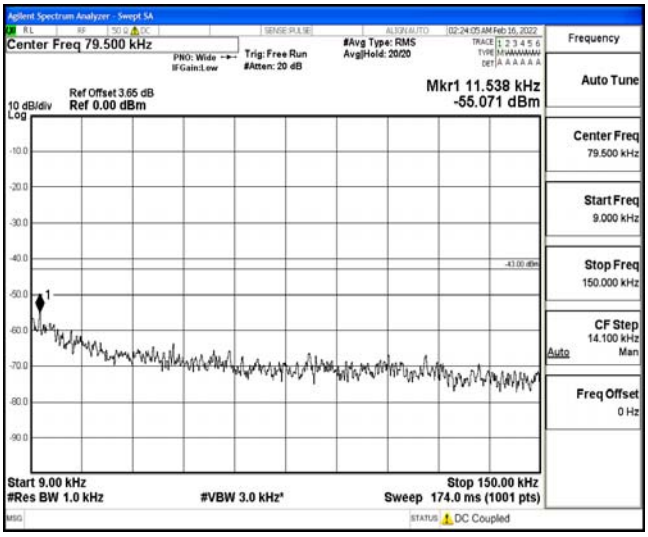
Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



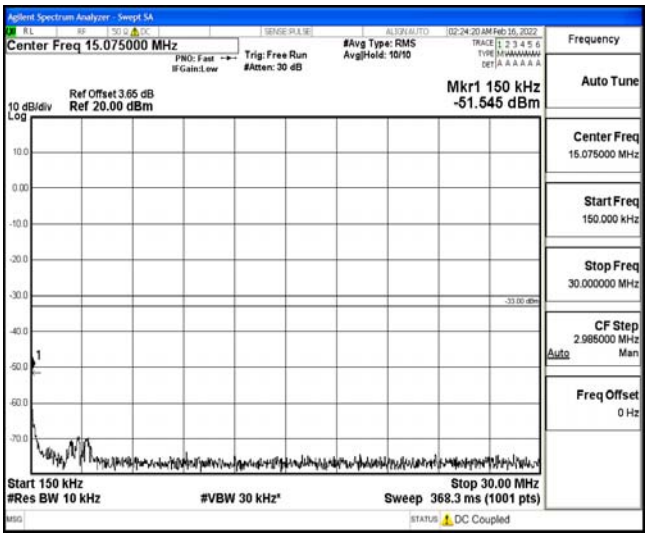
Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



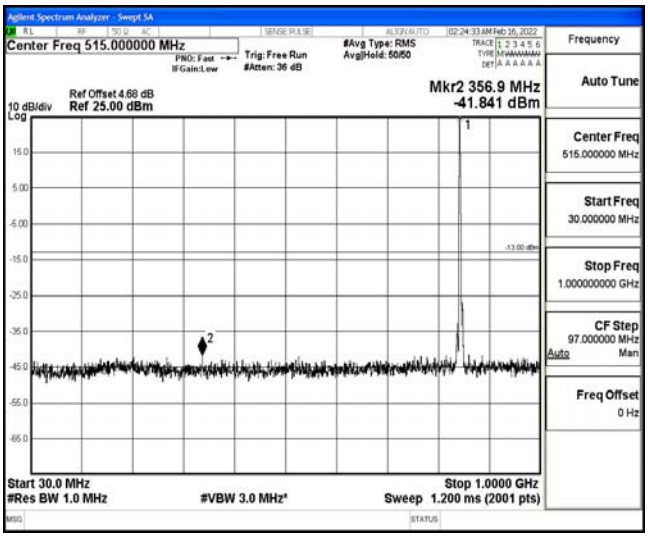
Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz



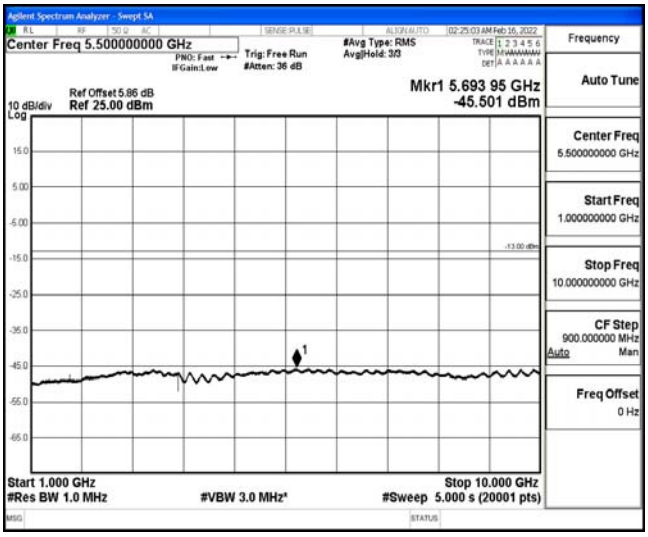
Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz



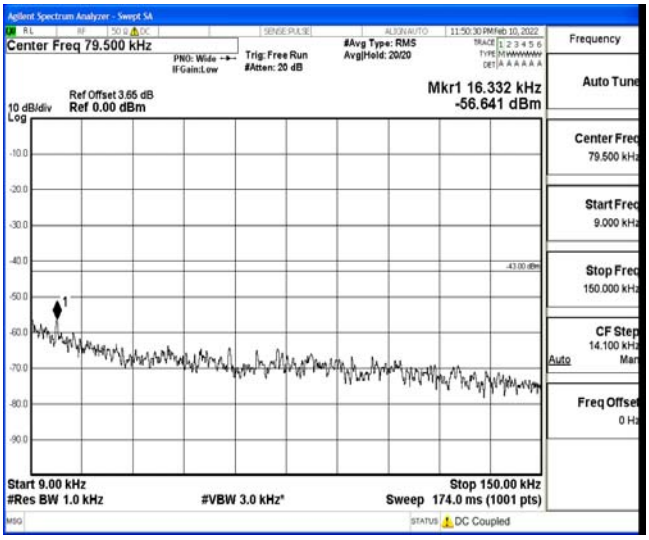
Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz



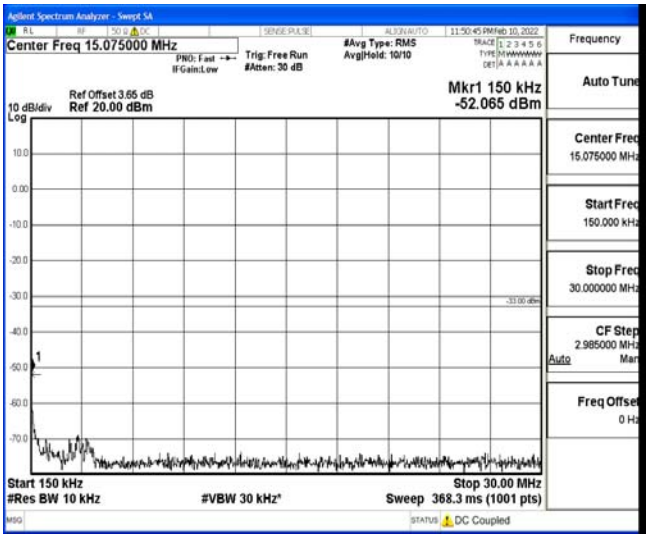
Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz



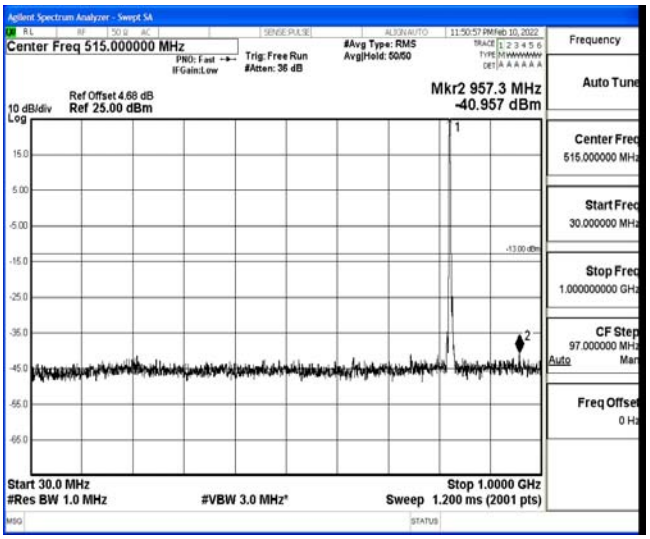
Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz



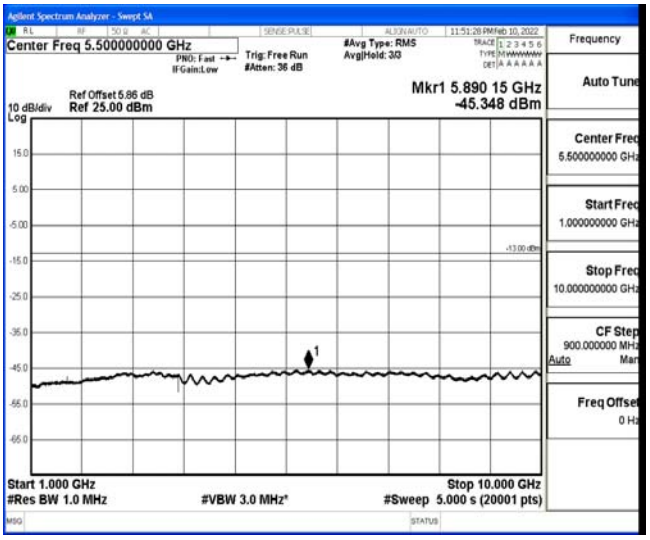
Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz



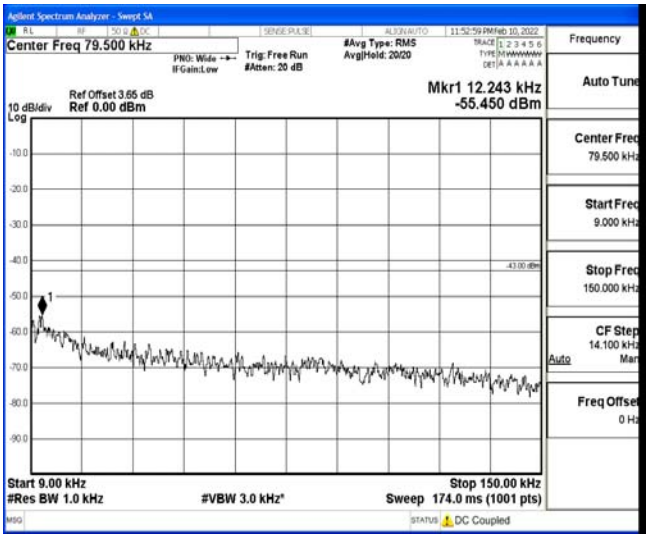
Band5-3MHz-16QAM-20415-1RB#0-Range3:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range4:1000~10000MHz

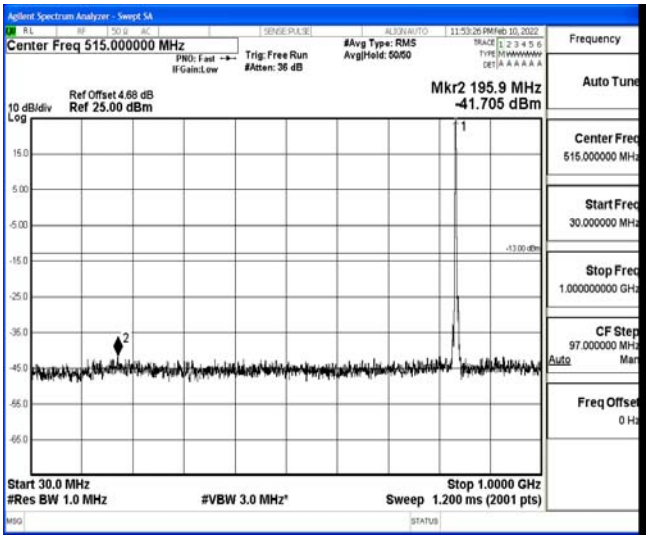


Band5-3MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

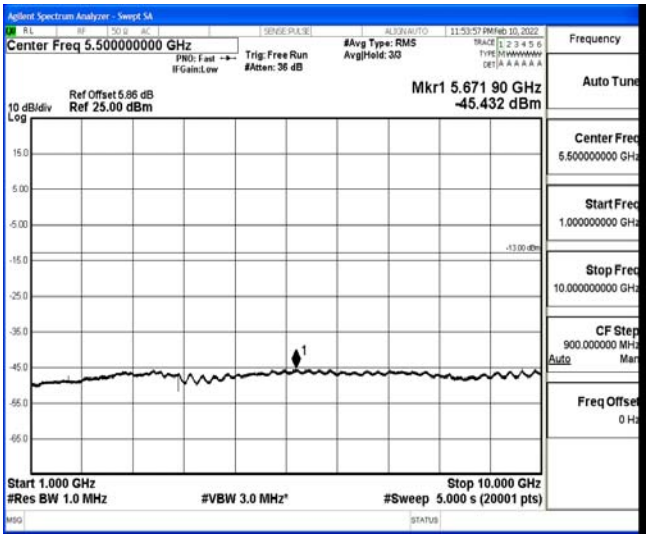


Band5-3MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

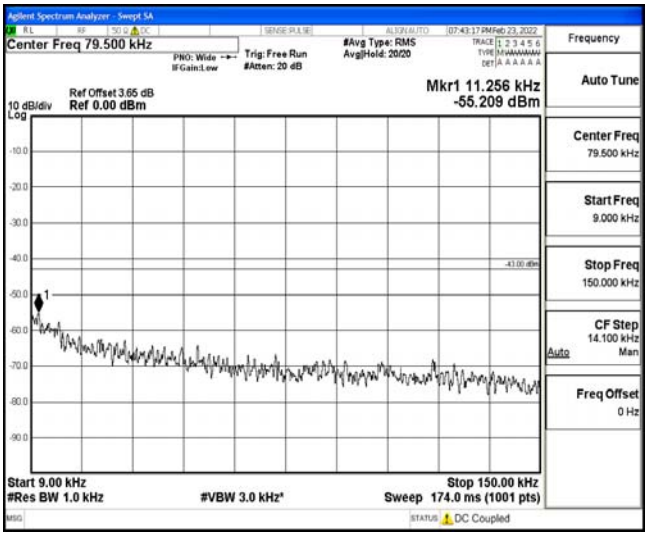
Band5-3MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



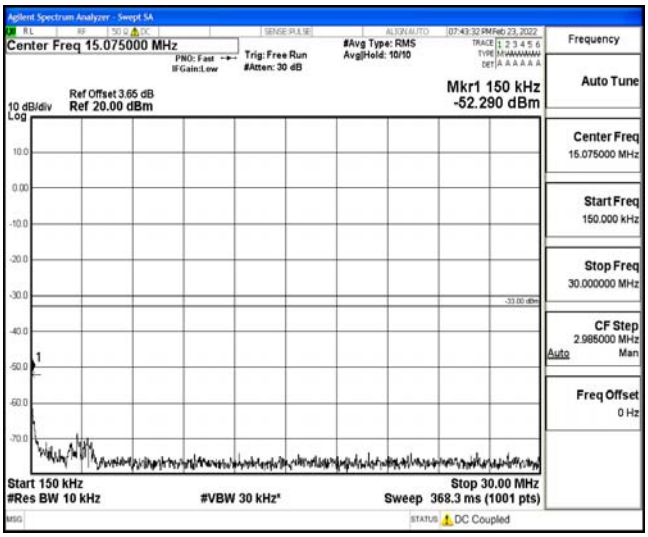
Band5-3MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



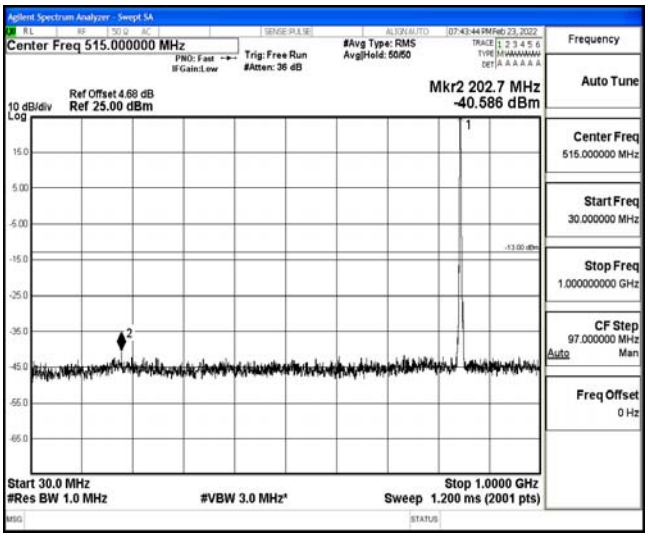
Band5-3MHz-16QAM-20635-1RB#0-Range1:0.009~0.15MHz



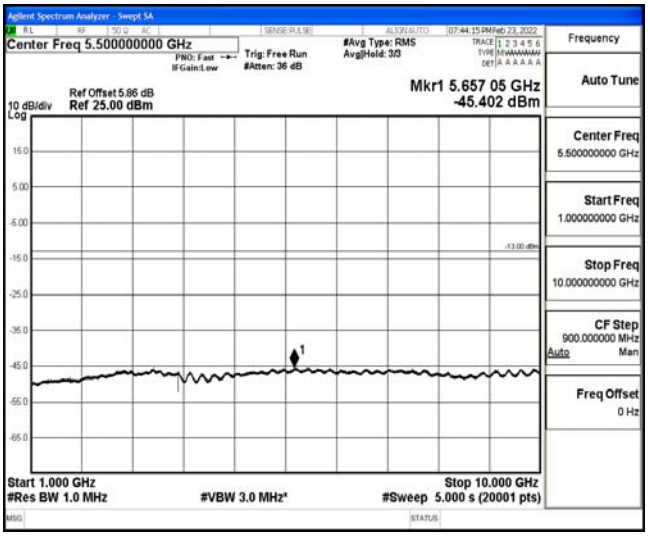
Band5-3MHz-16QAM-20635-1RB#0-Range2:0.15~30MHz



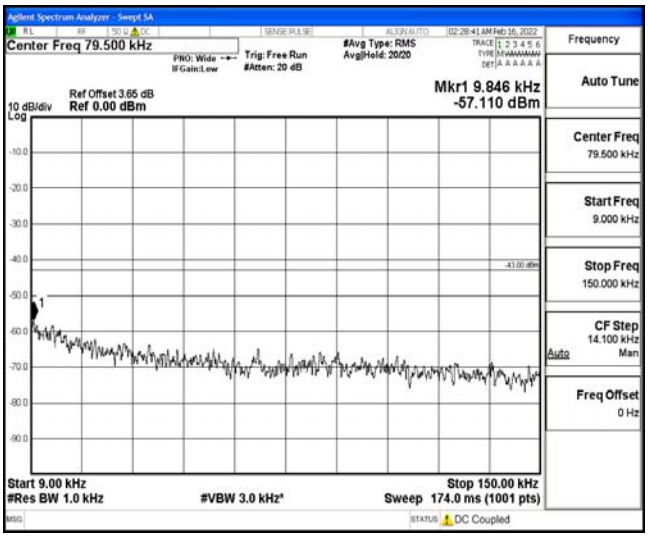
Band5-3MHz-16QAM-20635-1RB#0-Range3:30~1000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range4:1000~10000MHz

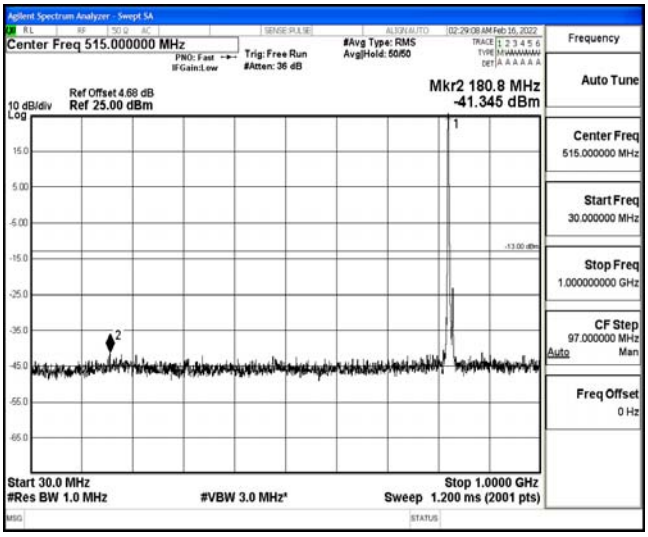


Band5-5MHz-QPSK-20425-1RB#0-Range1:0.009~0.15MHz

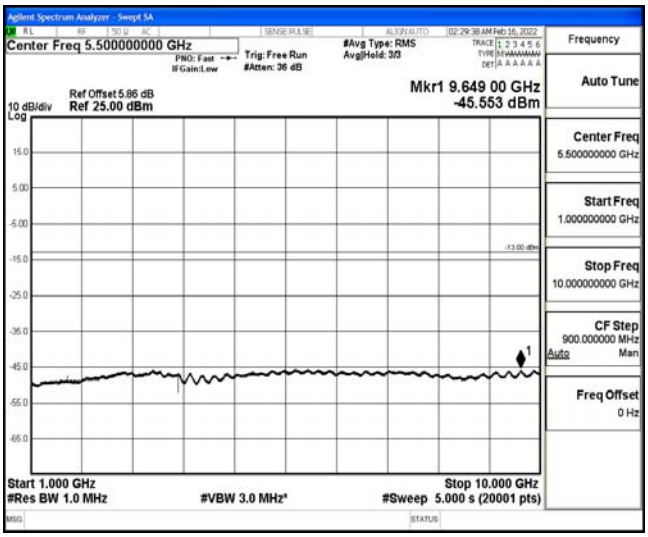


Band5-5MHz-QPSK-20425-1RB#0-Range2:0.15~30MHz

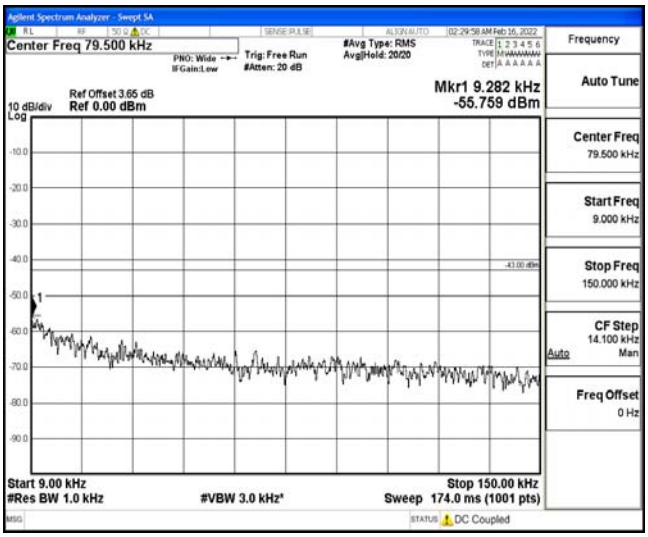
Band5-5MHz-QPSK-20425-1RB#0-Range3:30~1000MHz



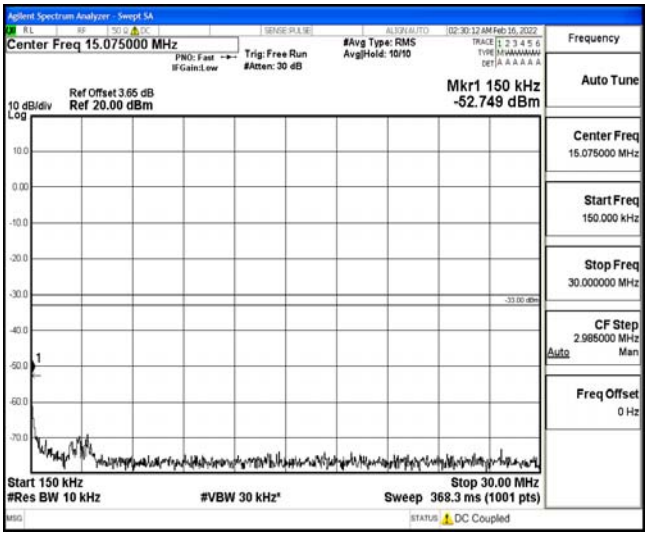
Band5-5MHz-QPSK-20425-1RB#0-Range4:1000~10000MHz



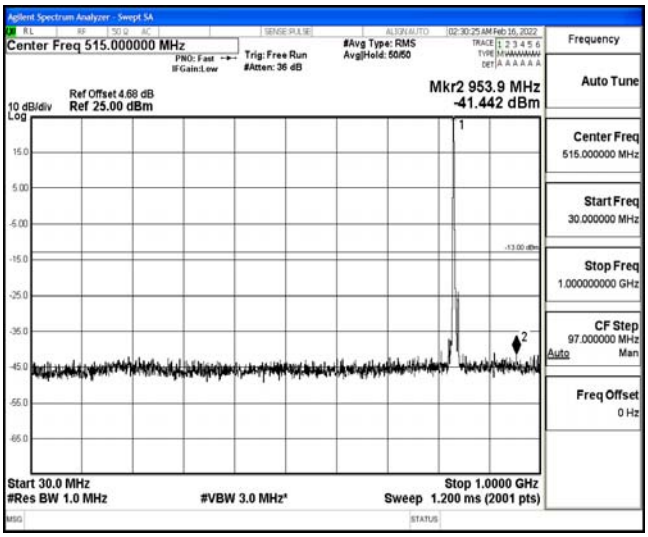
Band5-5MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



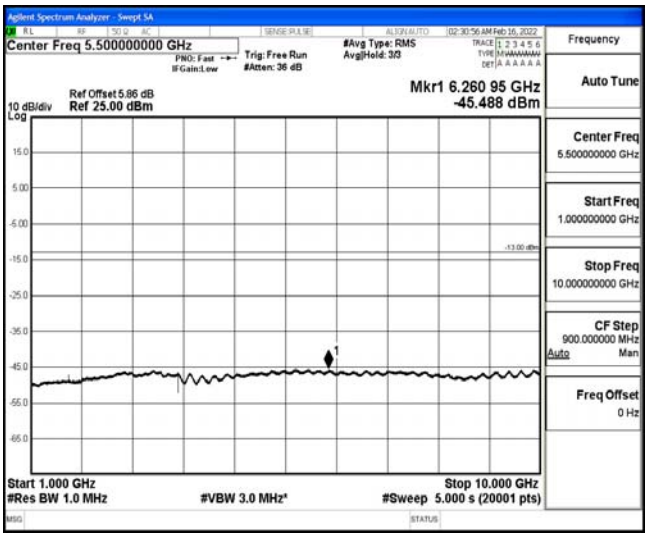
Band5-5MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



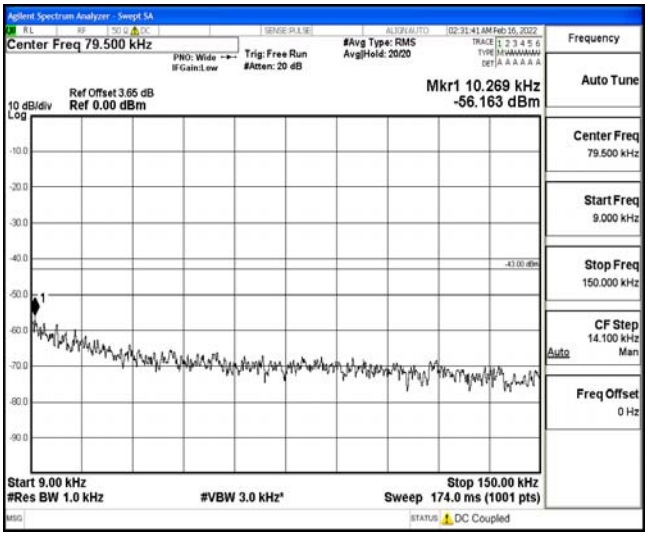
Band5-5MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



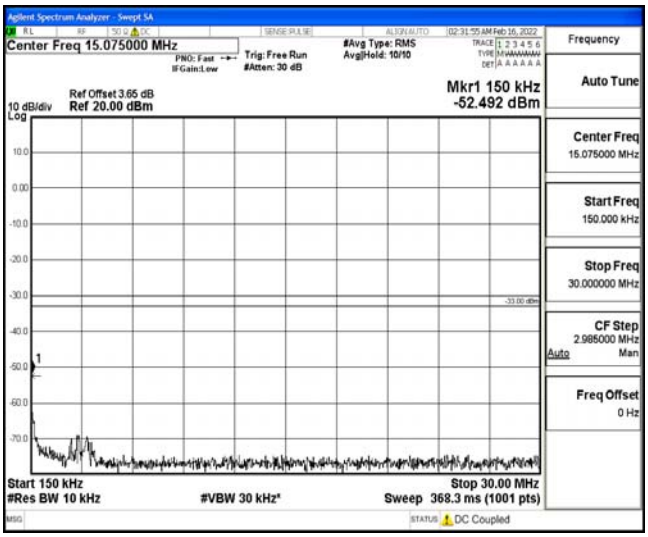
Band5-5MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



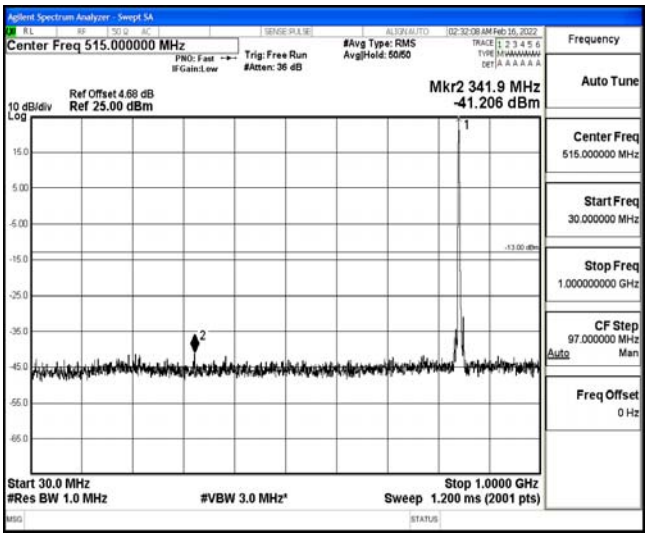
Band5-5MHz-QPSK-20625-1RB#0-Range1:0.009~0.15MHz



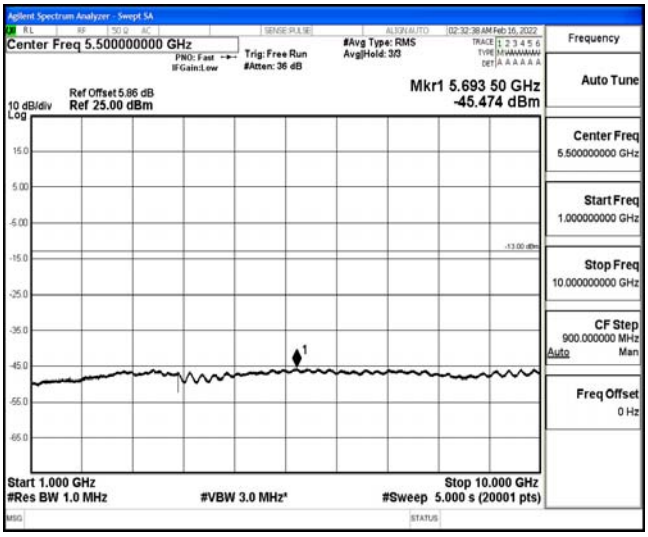
Band5-5MHz-QPSK-20625-1RB#0-Range2:0.15~30MHz



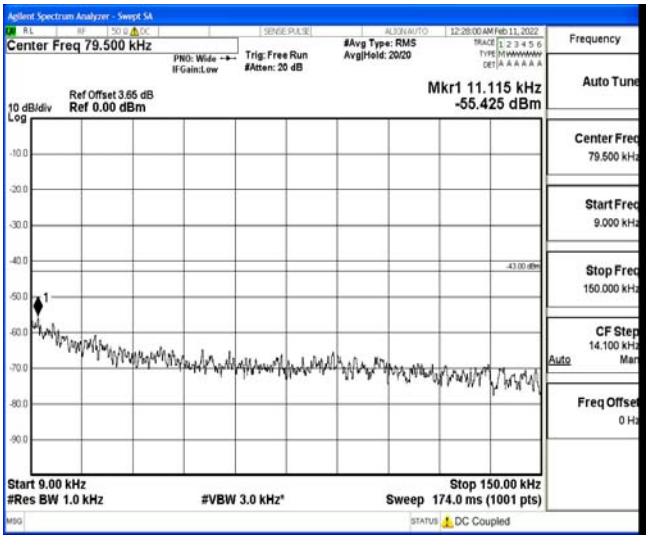
Band5-5MHz-QPSK-20625-1RB#0-Range3:30~1000MHz



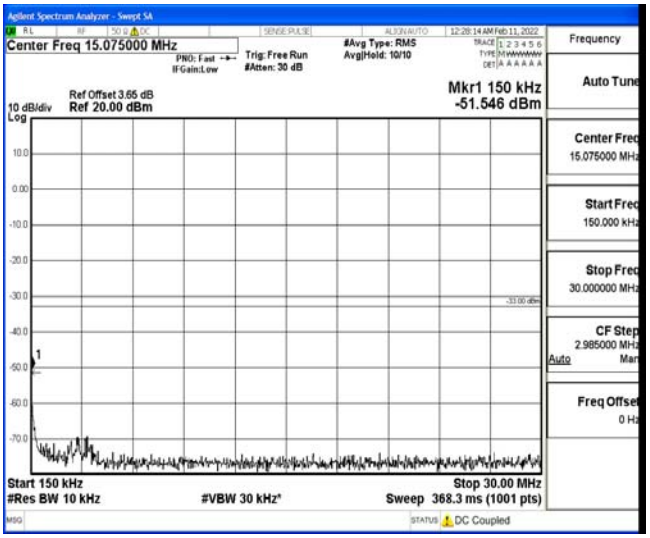
Band5-5MHz-QPSK-20625-1RB#0-Range4:1000~10000MHz



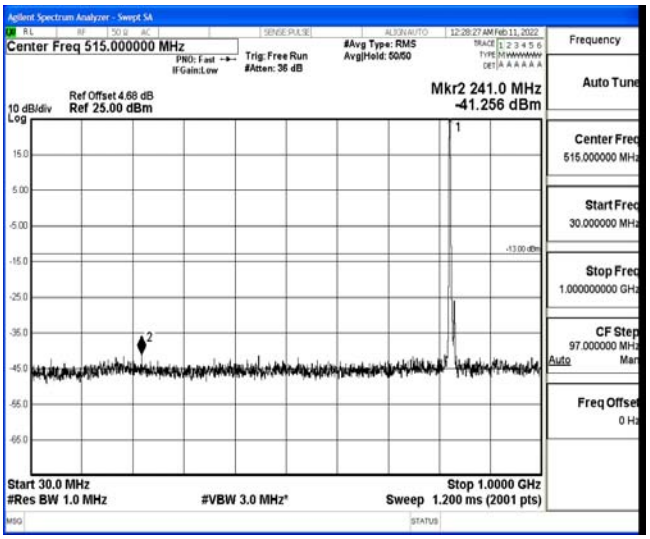
Band5-5MHz-16QAM-20425-1RB#0-Range1:0.009~0.15MHz



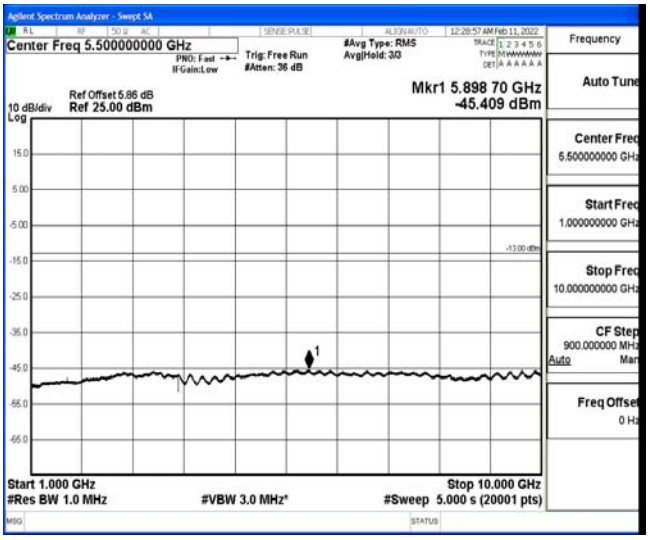
Band5-5MHz-16QAM-20425-1RB#0-Range2:0.15~30MHz



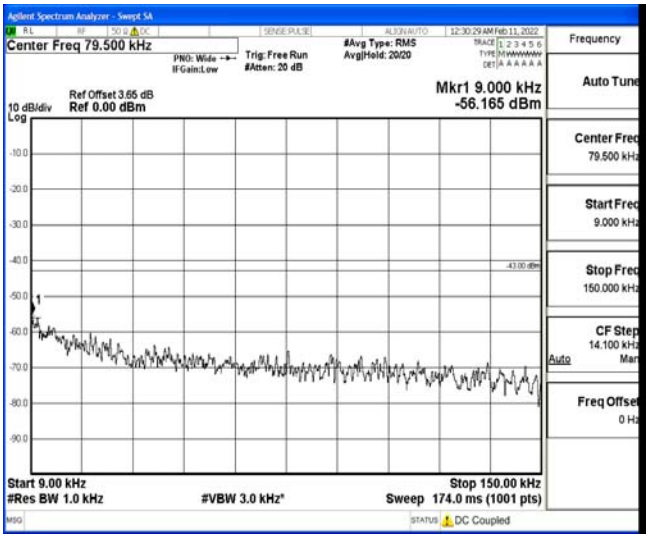
Band5-5MHz-16QAM-20425-1RB#0-Range3:30~1000MHz



Band5-5MHz-16QAM-20425-1RB#0-Range4:1000~10000MHz

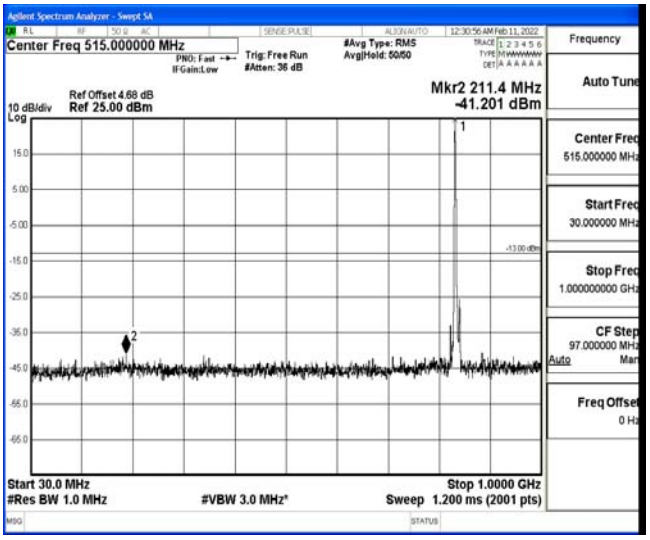


Band5-5MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



Band5-5MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

Band5-5MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



Band5-5MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz