Appendix N: Test Data for E-UTRA Band 71

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

N.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.01	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.22	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.11	PASS
Band71	5MHz	QPSK	133147	12RB#0	21.18	PASS
Band71	5MHz	QPSK	133147	12RB#6	21.15	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.11	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.23	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.31	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.52	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.40	PASS
Band71	5MHz	QPSK	133297	12RB#0	21.55	PASS
Band71	5MHz	QPSK	133297	12RB#6	21.57	PASS
Band71	5MHz	QPSK	133297	12RB#13	21.56	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.58	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.45	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.54	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.38	PASS
Band71	5MHz	QPSK	133447	12RB#0	21.57	PASS
Band71	5MHz	QPSK	133447	12RB#6	21.58	PASS
Band71	5MHz	QPSK	133447	12RB#13	21.46	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.55	PASS
Band71	5MHz	16QAM	133147	1RB#0	20.93	PASS
Band71	5MHz	16QAM	133147	1RB#12	21.17	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.11	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.16	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.18	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.08	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.15	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.49	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.70	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.50	PASS
Band71	5MHz	16QAM	133297	12RB#0	20.56	PASS

Band71	5MHz	16QAM	133297	12RB#6	20.59	PASS
Band71	5MHz	16QAM	133297	12RB#13	20.55	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.52	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.35	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.52	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.32	PASS
Band71	5MHz	16QAM	133447	12RB#0	20.55	PASS
Band71	5MHz	16QAM	133447	12RB#6	20.59	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.47	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.51	PASS
Band71	10MHz	QPSK	133172	1RB#0	21.95	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.24	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.11	PASS
Band71	10MHz	QPSK	133172	25RB#0	21.28	PASS
Band71	10MHz	QPSK	133172	25RB#12	21.32	PASS
Band71	10MHz	QPSK	133172	25RB#25	21.36	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.29	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.26	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.31	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.07	PASS
Band71	10MHz	QPSK	133297	25RB#0	21.25	PASS
Band71	10MHz	QPSK	133297	25RB#12	21.21	PASS
Band71	10MHz	QPSK	133297	25RB#25	21.23	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.24	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.01	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.22	PASS
Band71	10MHz	QPSK	133422	1RB#49	21.92	PASS
Band71	10MHz	QPSK	133422	25RB#0	21.24	PASS
Band71	10MHz	QPSK	133422	25RB#12	21.40	PASS
Band71	10MHz	QPSK	133422	25RB#25	20.96	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.13	PASS
Band71	10MHz	16QAM	133172	1RB#0	21.00	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.41	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.10	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.26	PASS
Band71	10MHz	16QAM	133172	25RB#12	19.97	PASS
Band71	10MHz	16QAM	133172	25RB#25	20.35	PASS

Band71	10MHz	16QAM	133172	50RB#0	19.87	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.05	PASS
Band71	10MHz	16QAM	133297	1RB#24	20.97	PASS
Band71	10MHz	16QAM	133297	1RB#49	20.81	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.21	PASS
Band71	10MHz	16QAM	133297	25RB#12	20.26	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.17	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.22	PASS
Band71	10MHz	16QAM	133422	1RB#0	20.74	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.03	PASS
Band71	10MHz	16QAM	133422	1RB#49	20.73	PASS
Band71	10MHz	16QAM	133422	25RB#0	20.19	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.51	PASS
Band71	10MHz	16QAM	133422	25RB#25	19.92	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.09	PASS
Band71	15MHz	QPSK	133197	1RB#0	21.83	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.19	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.04	PASS
Band71	15MHz	QPSK	133197	38RB#0	20.95	PASS
Band71	15MHz	QPSK	133197	38RB#18	21.27	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.18	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.28	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.13	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.39	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.18	PASS
Band71	15MHz	QPSK	133297	38RB#0	21.15	PASS
Band71	15MHz	QPSK	133297	38RB#18	21.55	PASS
Band71	15MHz	QPSK	133297	38RB#37	21.20	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.66	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.29	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.38	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.16	PASS
Band71	15MHz	QPSK	133397	38RB#0	21.23	PASS
Band71	15MHz	QPSK	133397	38RB#18	21.53	PASS
Band71	15MHz	QPSK	133397	38RB#37	21.30	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.37	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.00	PASS

Band71	15MHz	16QAM	133197	1RB#38	21.23	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.25	PASS
Band71	15MHz	16QAM	133197	38RB#0	20.97	PASS
Band71	15MHz	16QAM	133197	38RB#18	21.19	PASS
Band71	15MHz	16QAM	133197	38RB#37	21.28	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.13	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.11	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.58	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.30	PASS
Band71	15MHz	16QAM	133297	38RB#0	21.17	PASS
Band71	15MHz	16QAM	133297	38RB#18	21.49	PASS
Band71	15MHz	16QAM	133297	38RB#37	21.23	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.57	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.26	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.41	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.26	PASS
Band71	15MHz	16QAM	133397	38RB#0	21.31	PASS
Band71	15MHz	16QAM	133397	38RB#18	21.50	PASS
Band71	15MHz	16QAM	133397	38RB#37	21.35	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.24	PASS
Band71	20MHz	QPSK	133222	1RB#0	21.80	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.26	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.11	PASS
Band71	20MHz	QPSK	133222	50RB#0	21.03	PASS
Band71	20MHz	QPSK	133222	50RB#25	21.01	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.09	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.04	PASS
Band71	20MHz	QPSK	133297	1RB#0	22.03	PASS
Band71	20MHz	QPSK	133297	1RB#49	22.59	PASS
Band71	20MHz	QPSK	133297	1RB#99	22.10	PASS
Band71	20MHz	QPSK	133297	50RB#0	21.68	PASS
Band71	20MHz	QPSK	133297	50RB#25	21.67	PASS
Band71	20MHz	QPSK	133297	50RB#50	21.75	PASS
Band71	20MHz	QPSK	133297	100RB#0	21.70	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.18	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.55	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.11	PASS

Band71	20MHz	QPSK	133372	50RB#0	21.35	PASS
Band71	20MHz	QPSK	133372	50RB#25	21.35	PASS
Band71	20MHz	QPSK	133372	50RB#50	21.30	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.29	PASS
Band71	20MHz	16QAM	133222	1RB#0	20.72	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.27	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.23	PASS
Band71	20MHz	16QAM	133222	50RB#0	19.95	PASS
Band71	20MHz	16QAM	133222	50RB#25	19.98	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.09	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.04	PASS
Band71	20MHz	16QAM	133297	1RB#0	21.03	PASS
Band71	20MHz	16QAM	133297	1RB#49	21.50	PASS
Band71	20MHz	16QAM	133297	1RB#99	20.90	PASS
Band71	20MHz	16QAM	133297	50RB#0	20.70	PASS
Band71	20MHz	16QAM	133297	50RB#25	20.66	PASS
Band71	20MHz	16QAM	133297	50RB#50	20.68	PASS
Band71	20MHz	16QAM	133297	100RB#0	20.63	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.04	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.44	PASS
Band71	20MHz	16QAM	133372	1RB#99	20.94	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.34	PASS
Band71	20MHz	16QAM	133372	50RB#25	20.35	PASS
Band71	20MHz	16QAM	133372	50RB#50	20.28	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.25	PASS

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

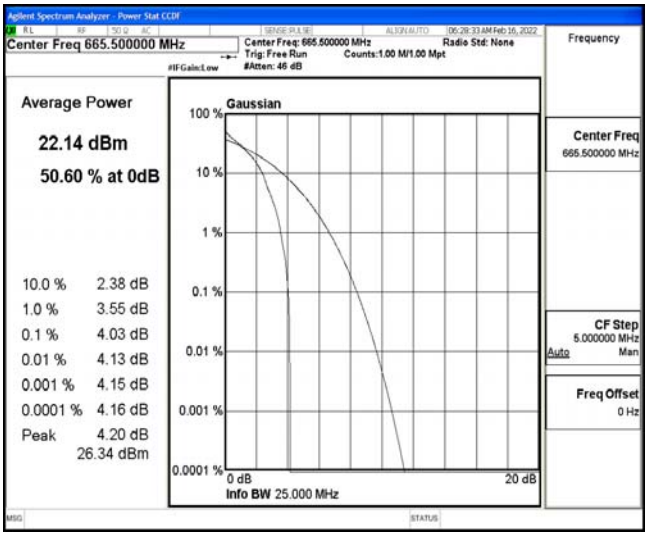
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.03	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	4.92	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.00	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.35	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.83	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.23	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	4.80	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	5.78	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.69	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.11	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.35	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.00	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.11	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	4.79	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.72	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.30	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.27	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.07	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	4.94	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.65	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.54	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.08	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	4.97	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	5.81	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.29	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.16	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	3.93	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.34	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.85	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.31	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	4.95	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	5.84	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	4.77	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.01	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.74	13	PASS

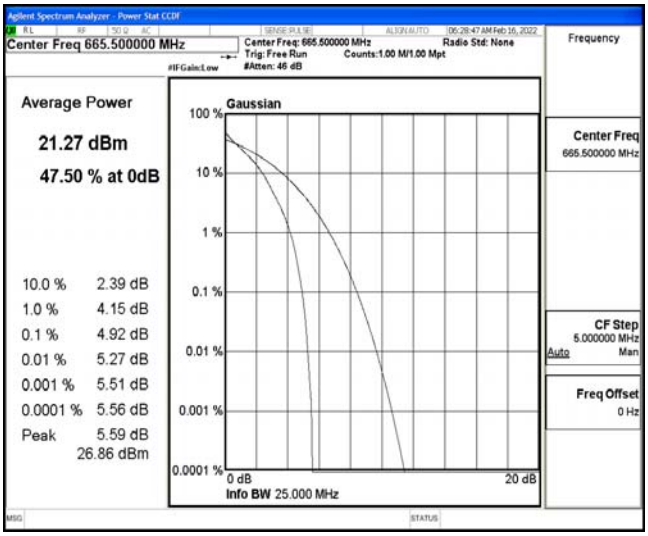
Band71	15MHz	16QAM	133397	75RB#0	5.86	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	4.49	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.20	13	PASS
Band71	20MHz	QPSK	133297	1RB#0	3.56	13	PASS
Band71	20MHz	QPSK	133297	100RB#0	5.23	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.31	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.36	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.92	13	PASS
Band71	20MHz	16QAM	133297	1RB#0	4.43	13	PASS
Band71	20MHz	16QAM	133297	100RB#0	5.99	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.11	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.03	13	PASS

Test Graphs

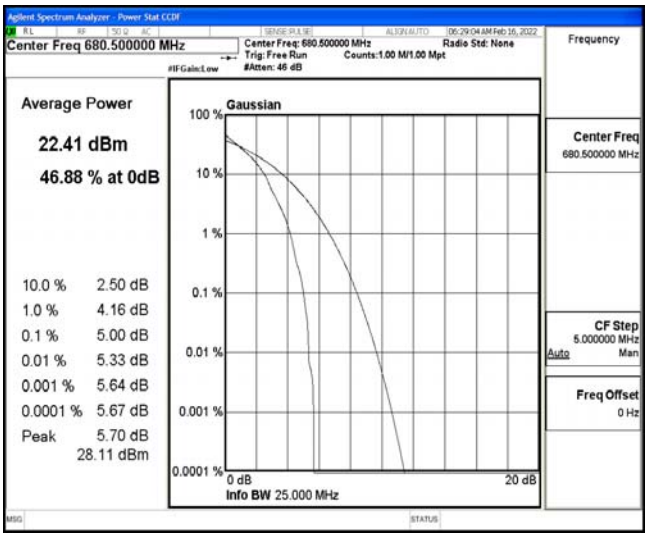
Band71-5MHz-QPSK-133147-1RB#0



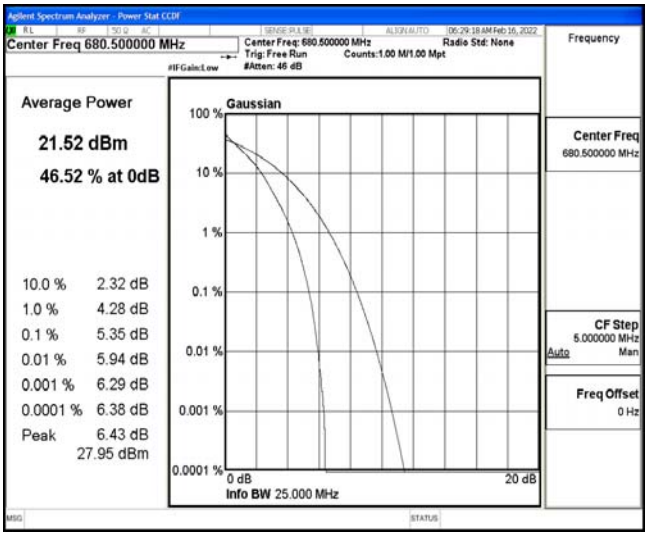
Band71-5MHz-QPSK-133147-25RB#0



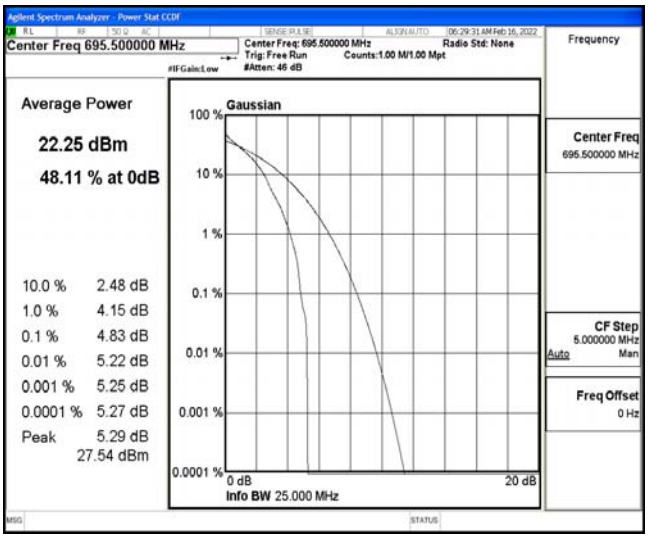
Band71-5MHz-QPSK-133297-1RB#0



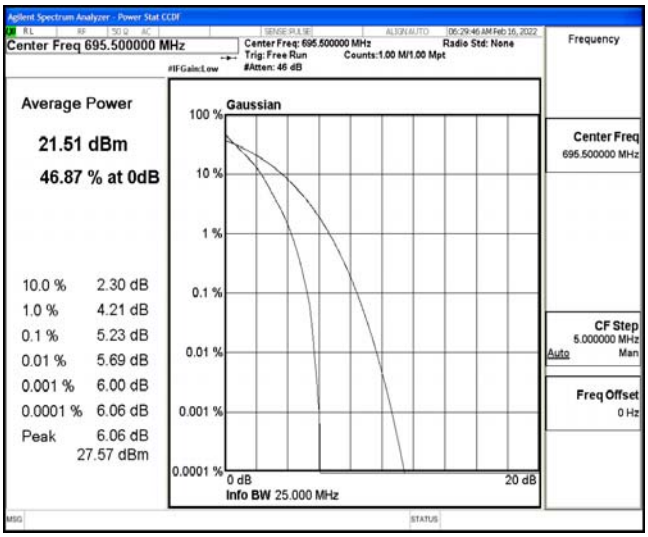
Band71-5MHz-QPSK-133297-25RB#0



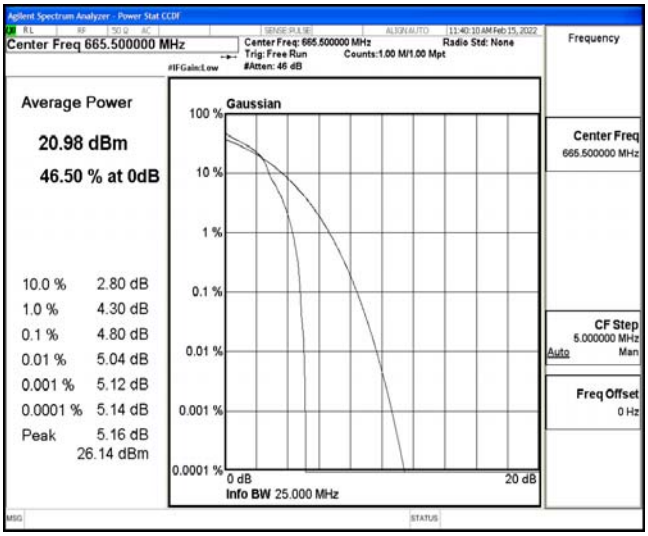
Band71-5MHz-QPSK-133447-1RB#0



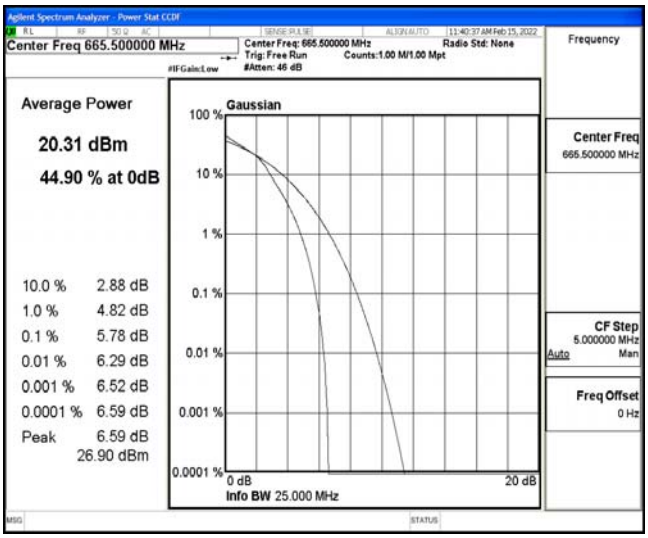
Band71-5MHz-QPSK-133447-25RB#0



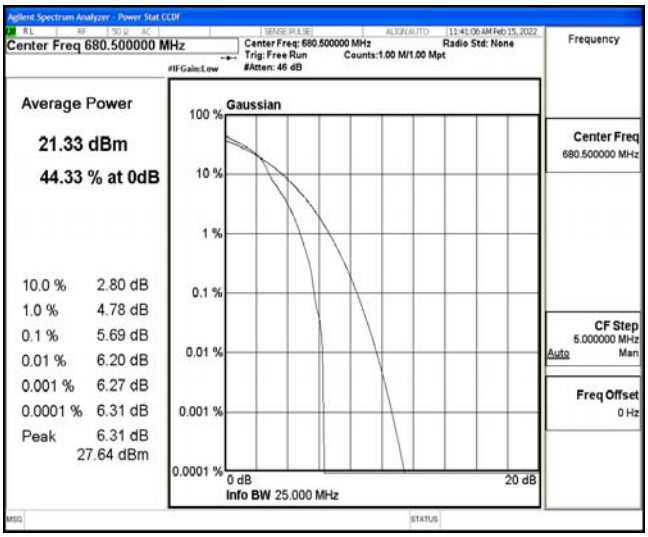
Band71-5MHz-16QAM-133147-1RB#0



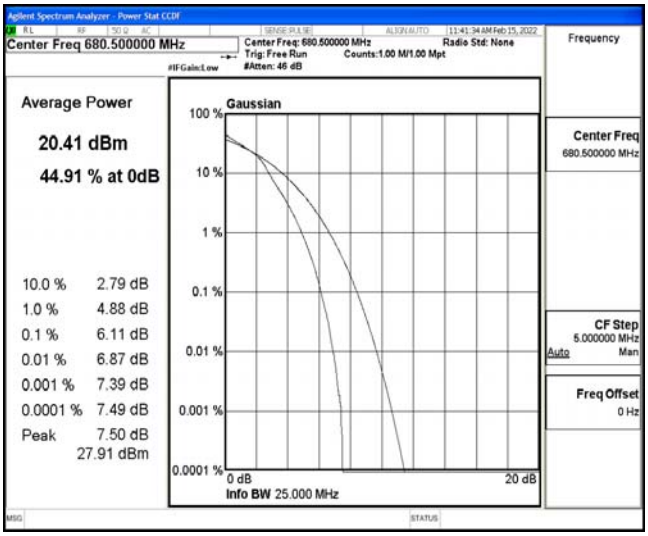
Band71-5MHz-16QAM-133147-25RB#0



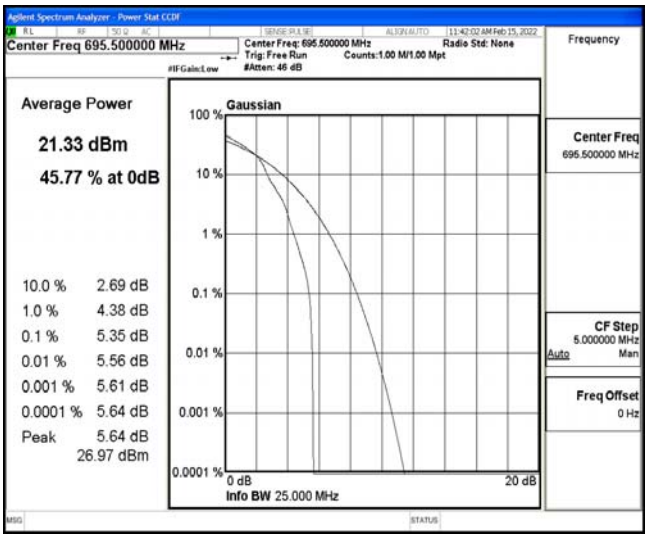
Band71-5MHz-16QAM-133297-1RB#0



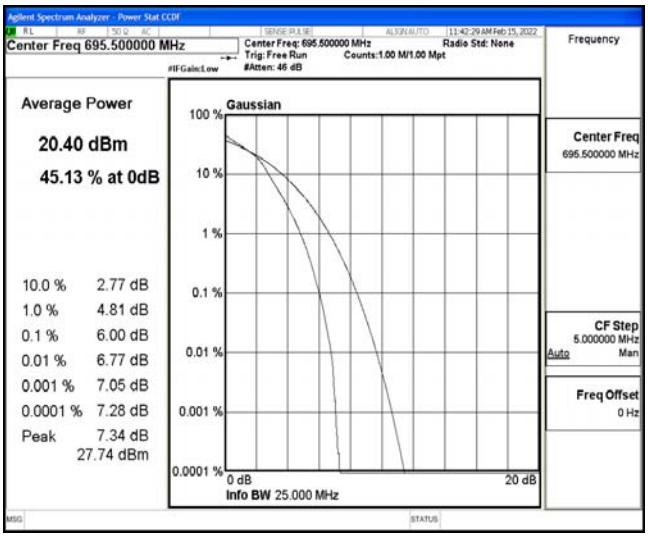
Band71-5MHz-16QAM-133297-25RB#0



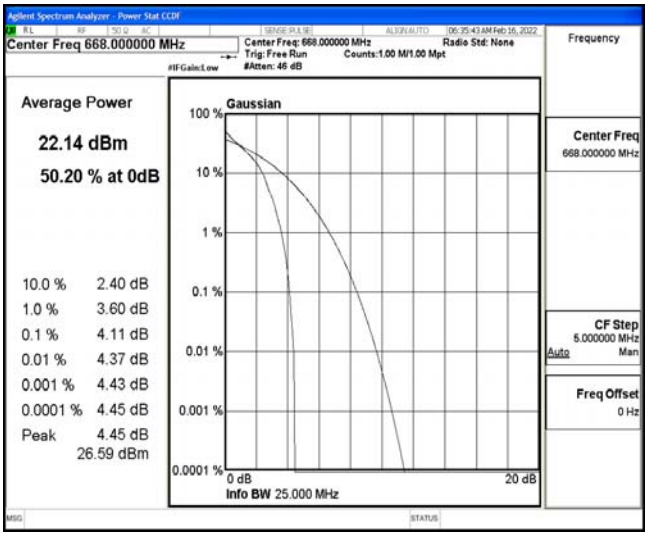
Band71-5MHz-16QAM-133447-1RB#0



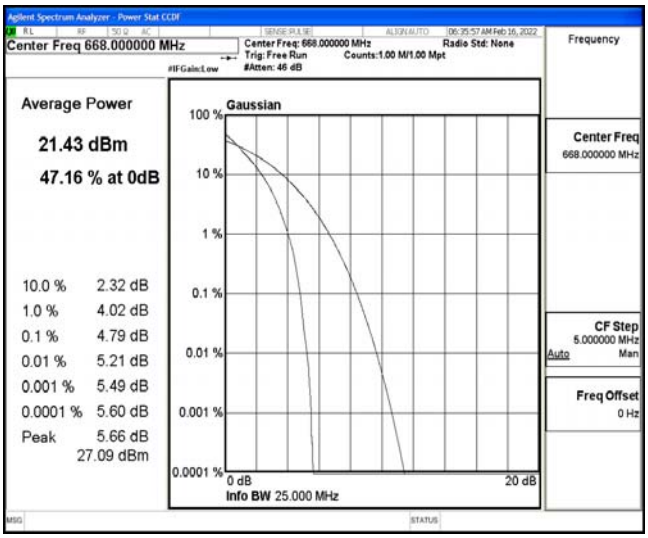
Band71-5MHz-16QAM-133447-25RB#0



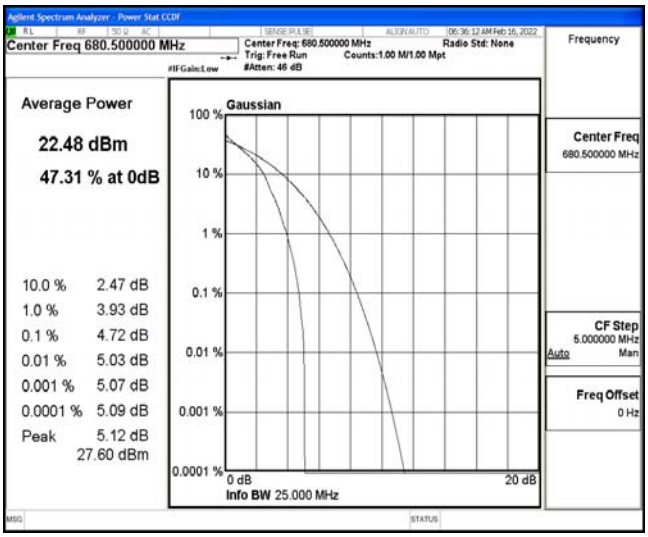
Band71-10MHz-QPSK-133172-1RB#0



Band71-10MHz-QPSK-133172-50RB#0



Band71-10MHz-QPSK-133297-1RB#0



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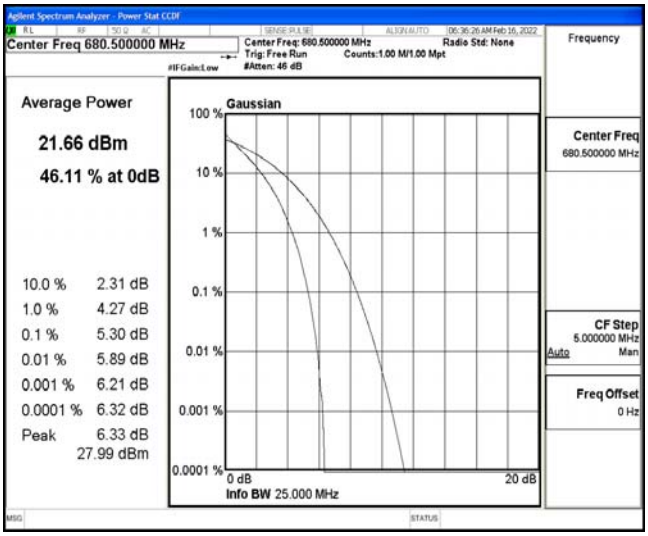

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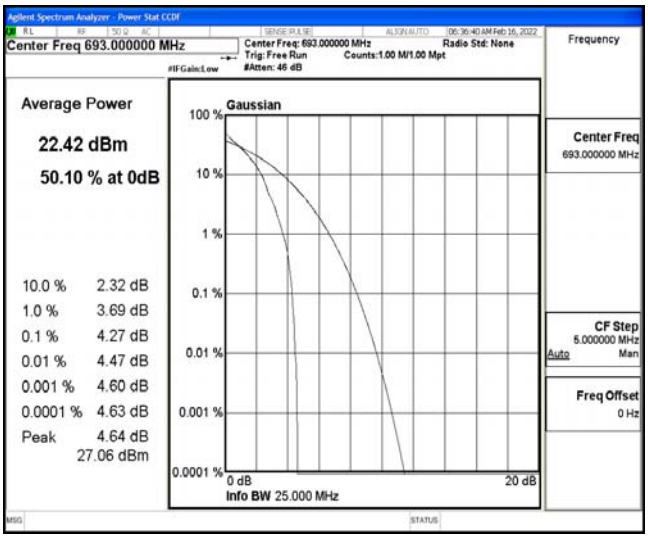

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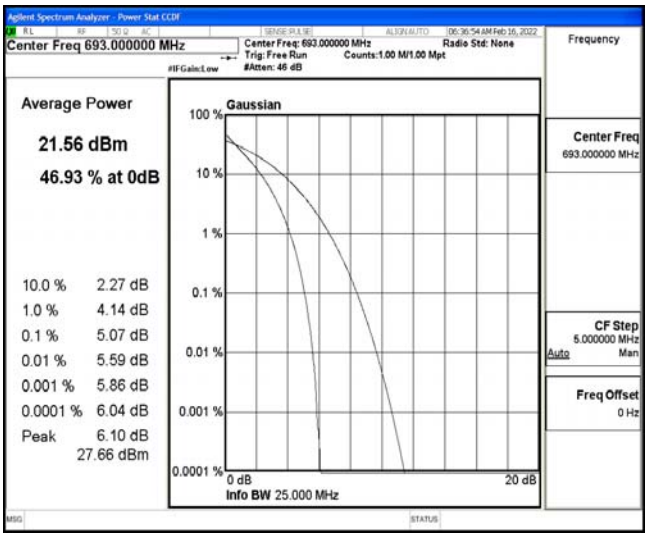

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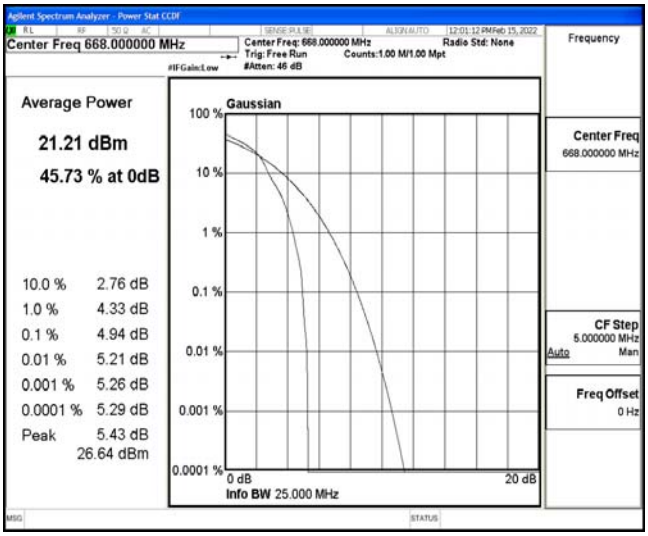

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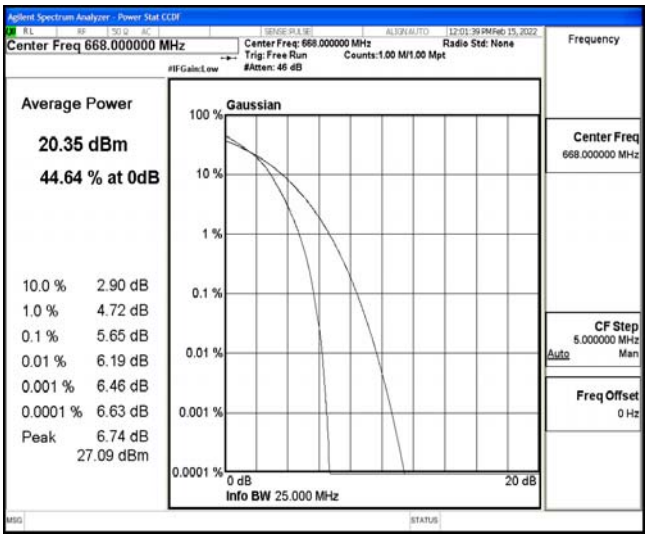

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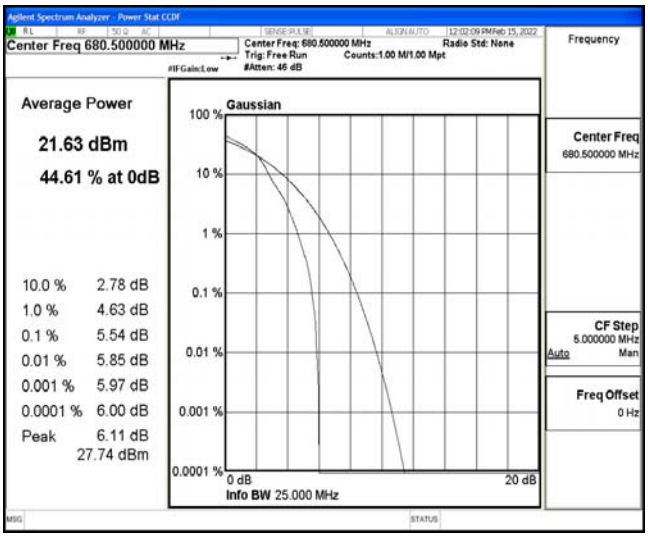

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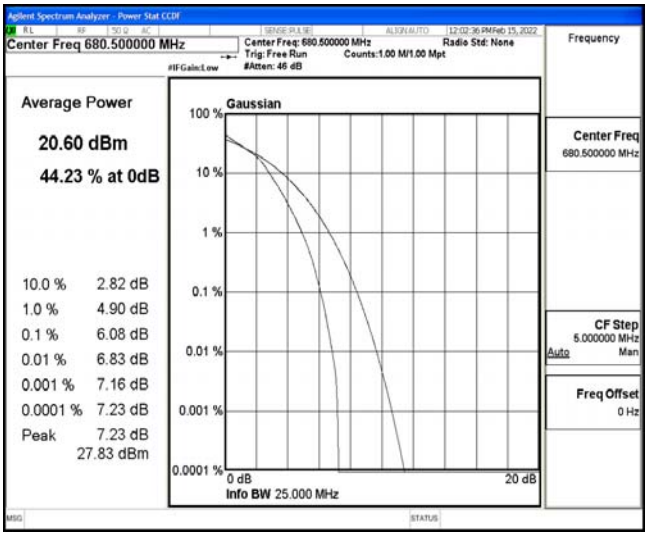

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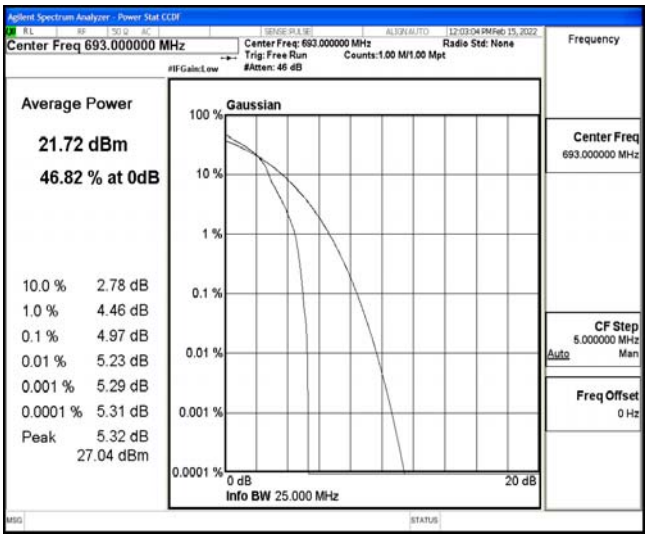

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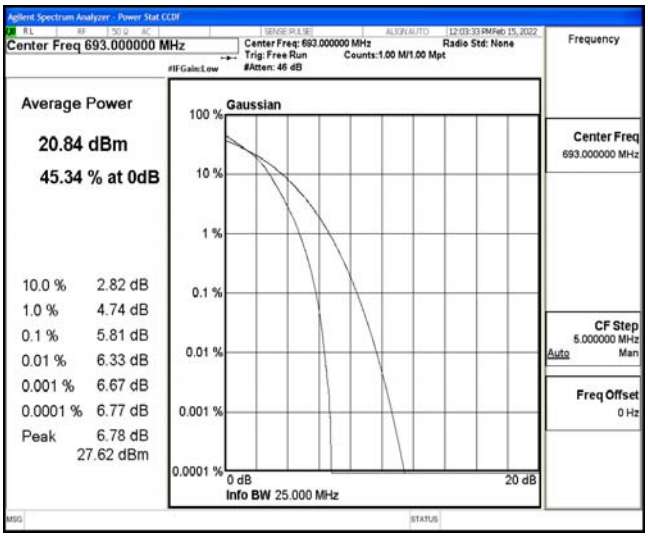

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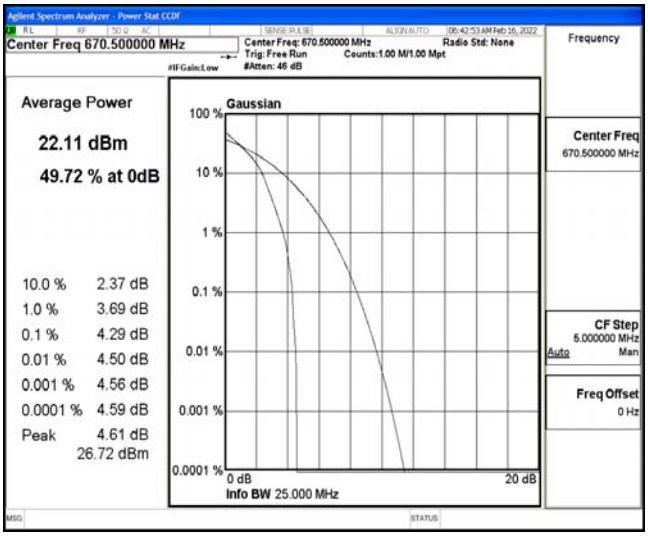

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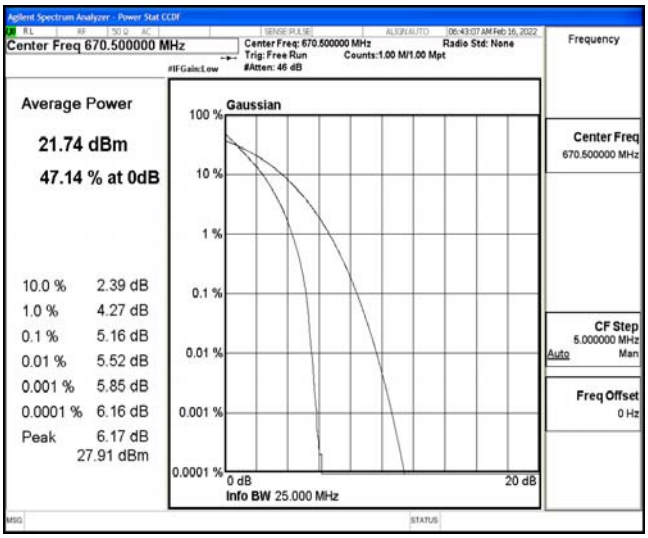

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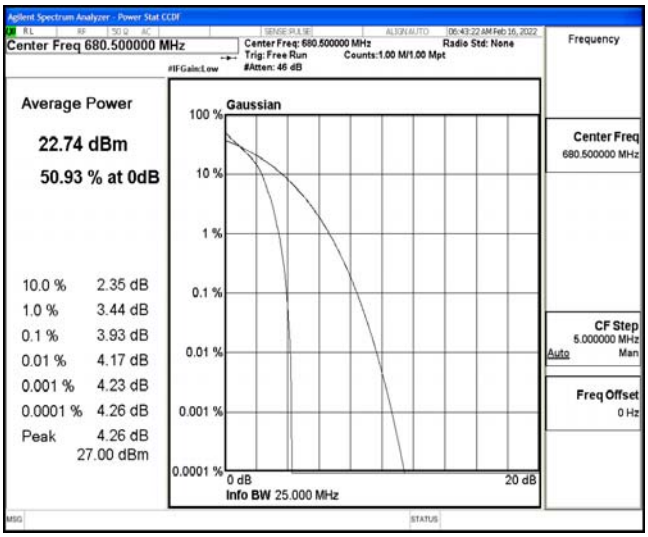

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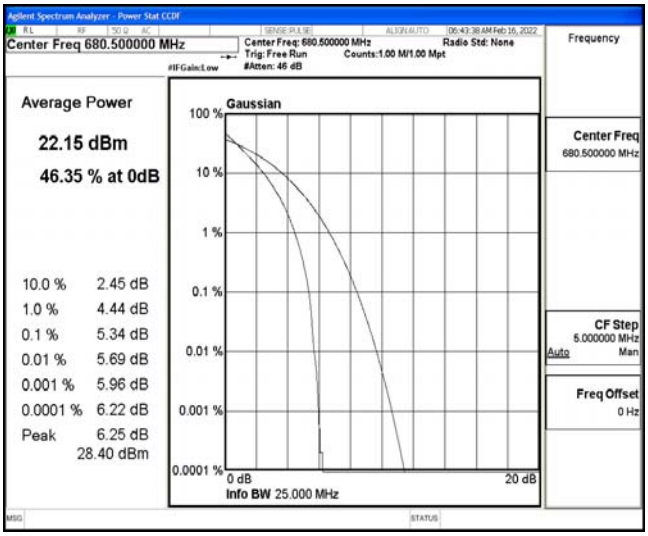

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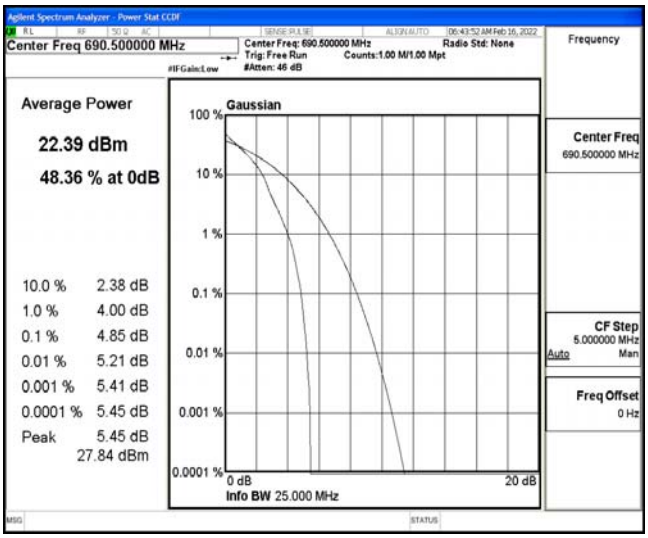

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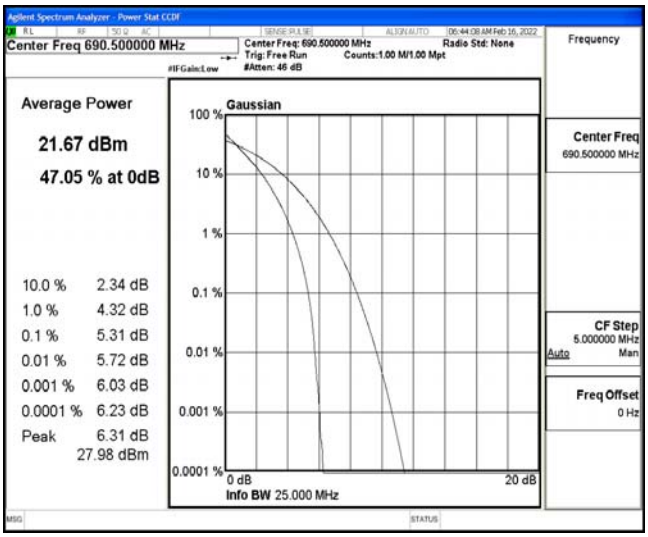

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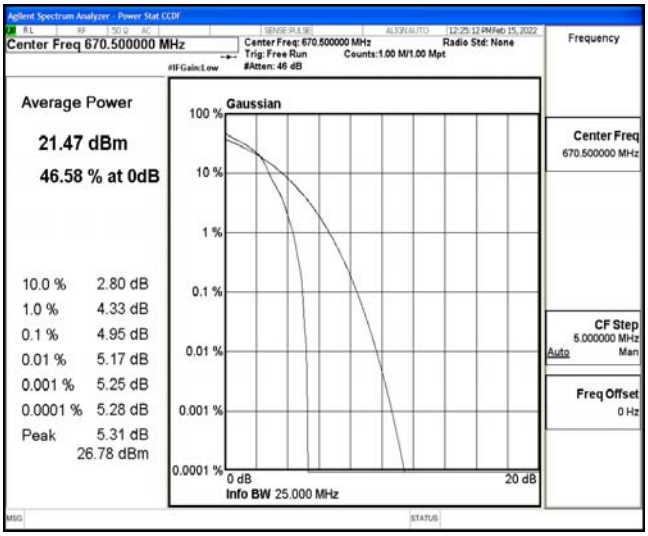

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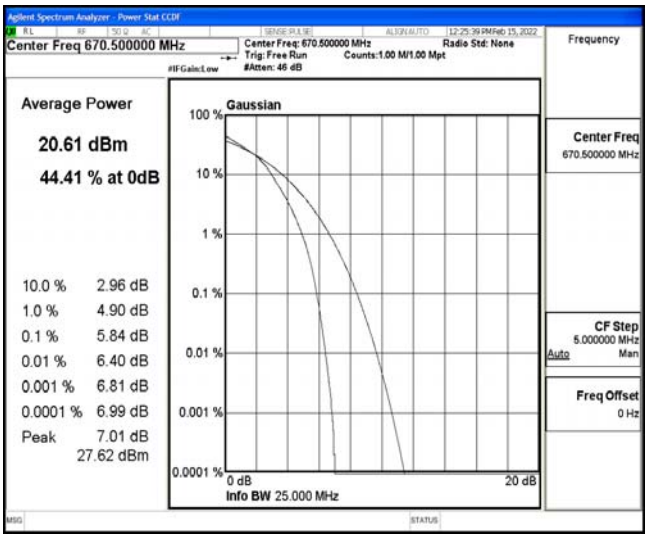

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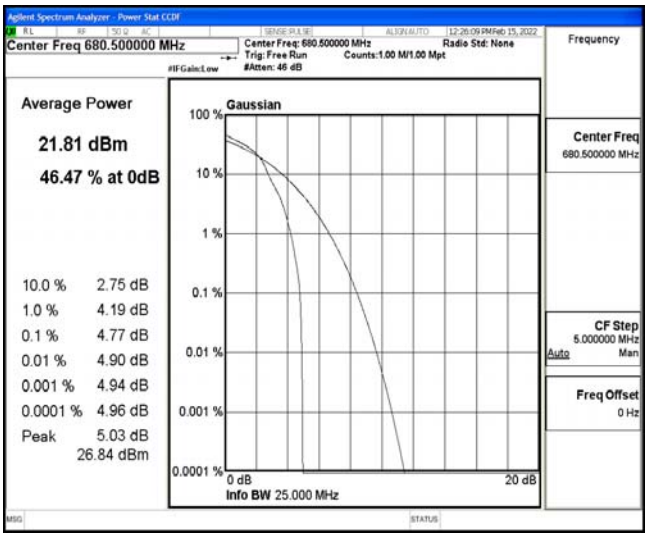

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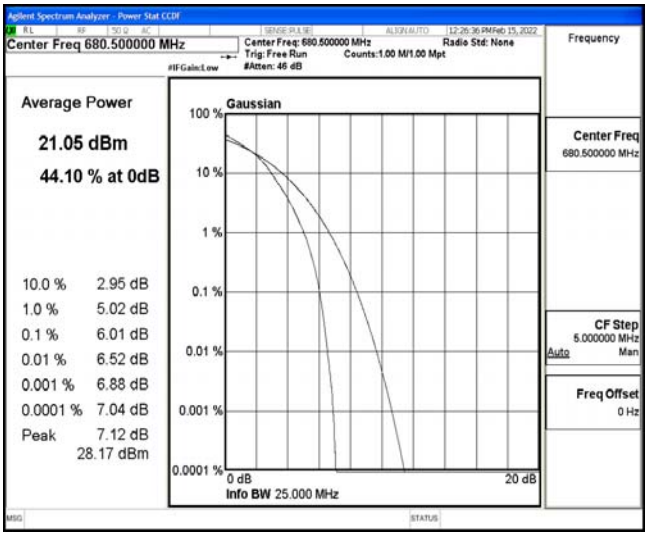

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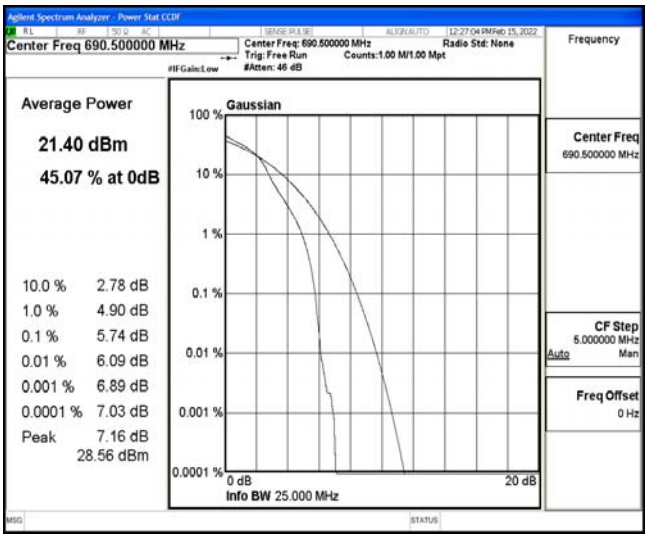

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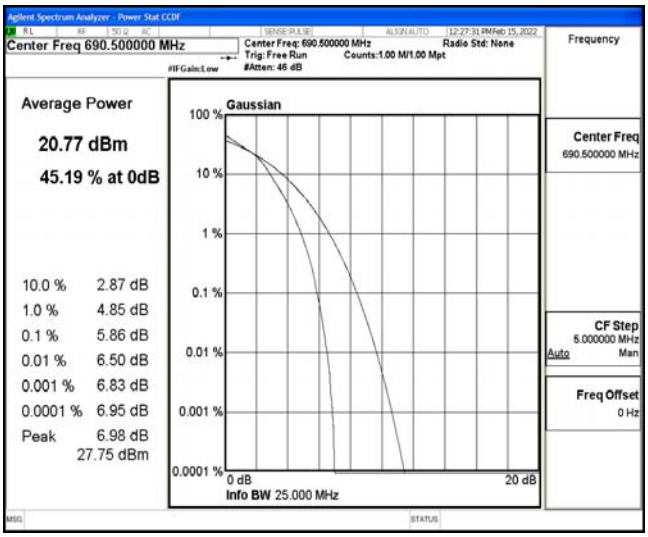

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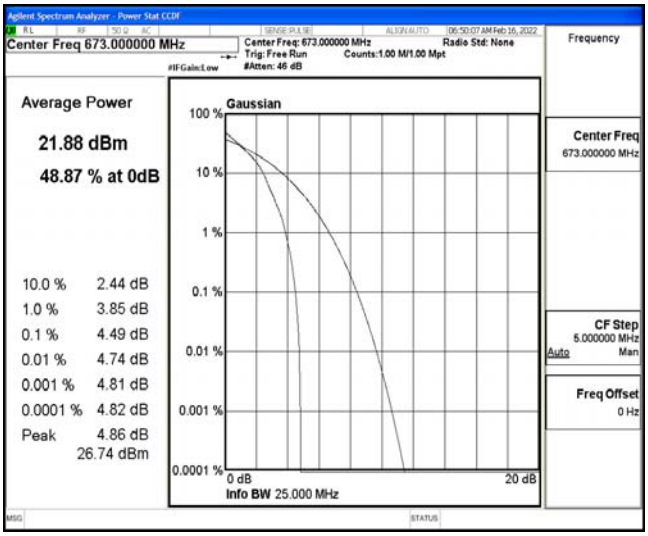

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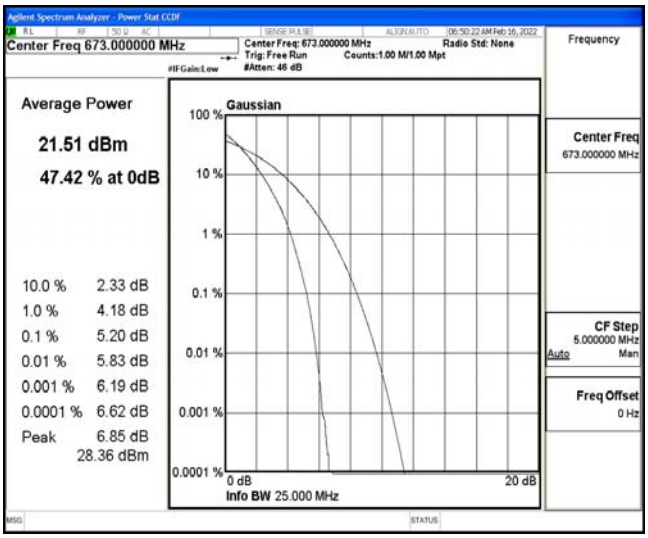

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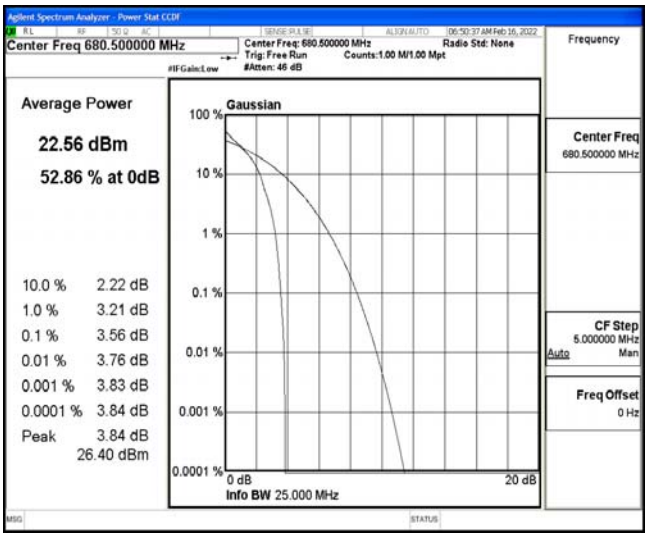

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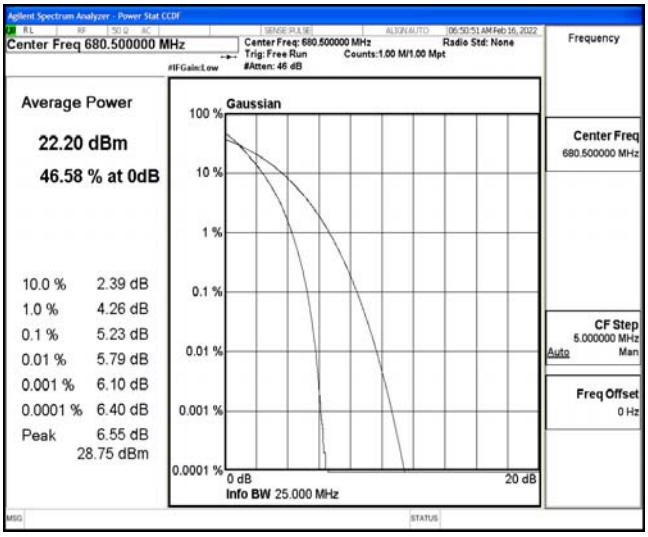

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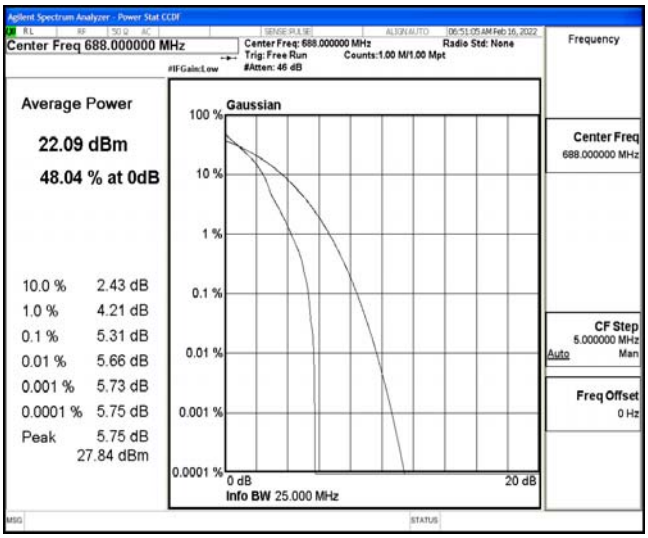

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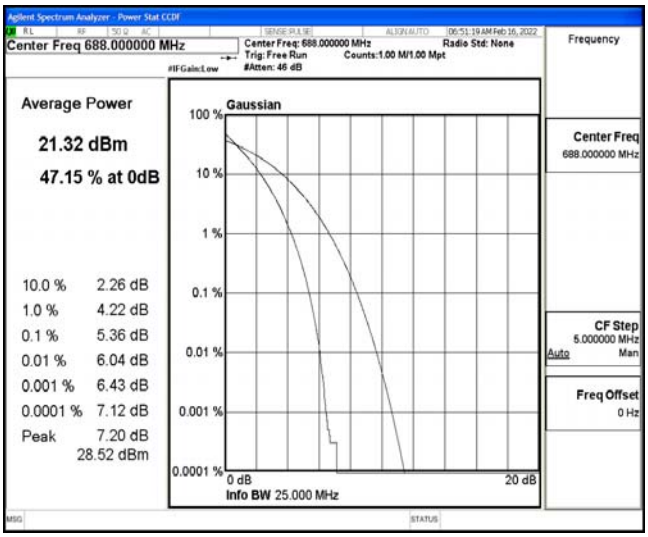

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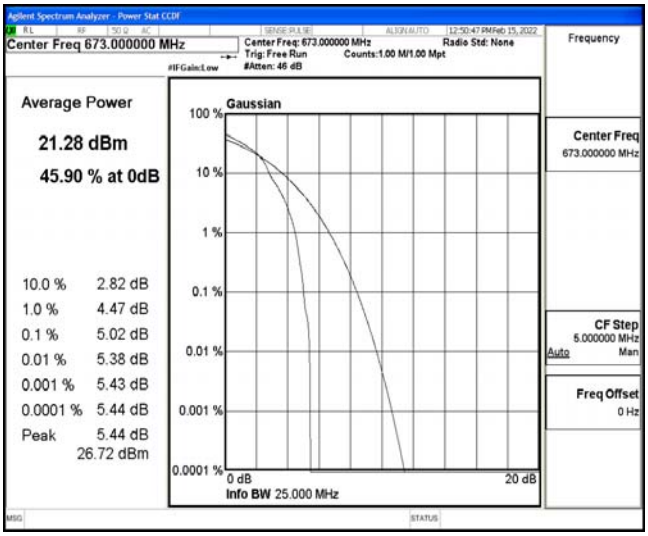

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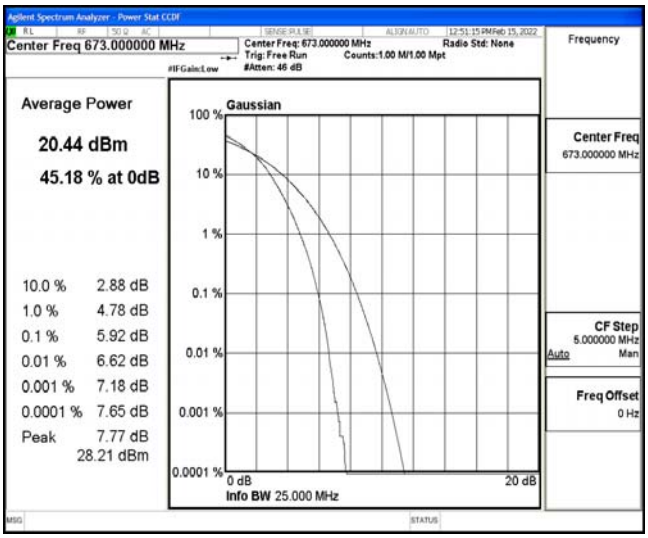

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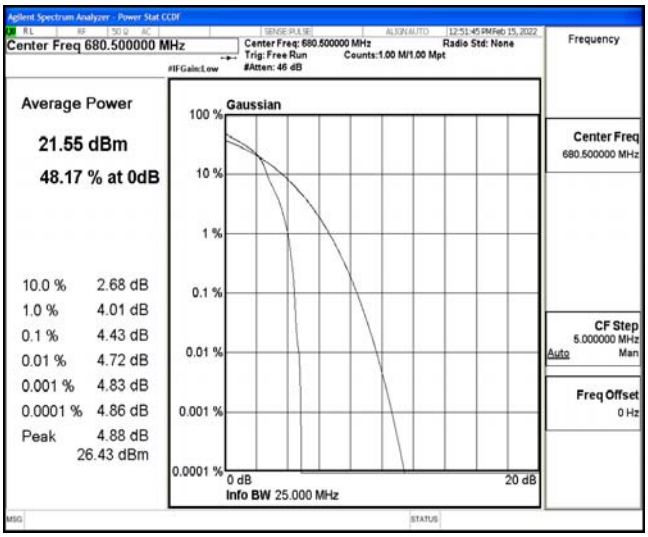

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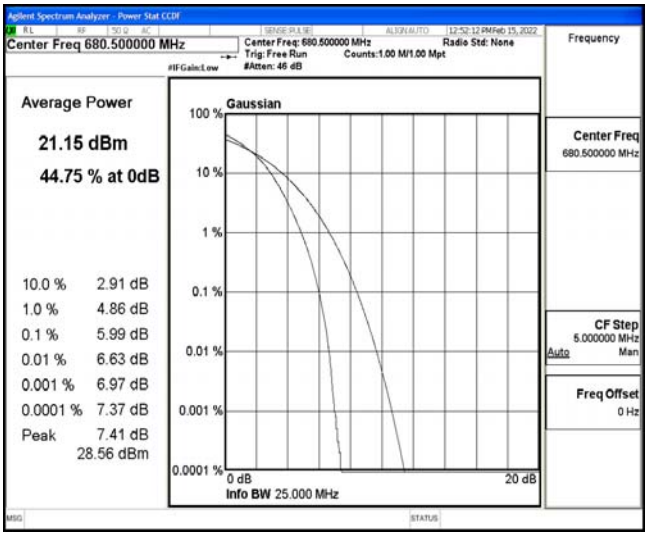

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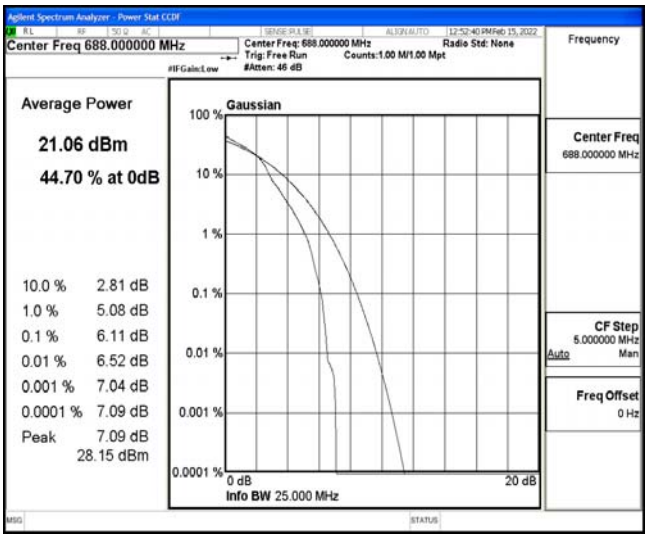

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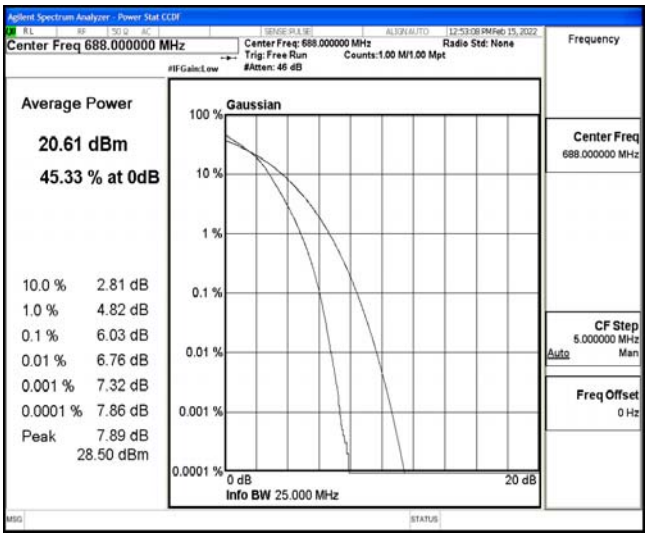
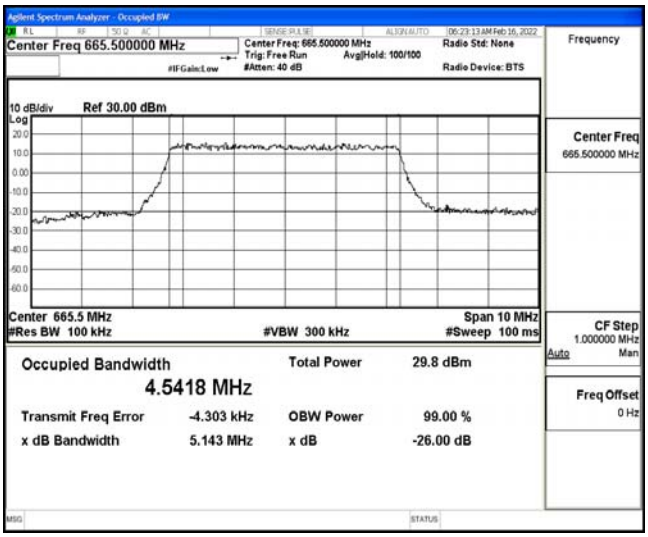

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 688.000000 MHz
Center Freq: 688.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
20.61 dBm
45.33 % at 0dB
10.0 % 2.81 dB
1.0 % 4.82 dB
0.1 % 6.03 dB
0.01 % 6.76 dB
0.001 % 7.32 dB
0.0001 % 7.86 dB
Peak 7.89 dB
28.50 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
688.000000 MHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

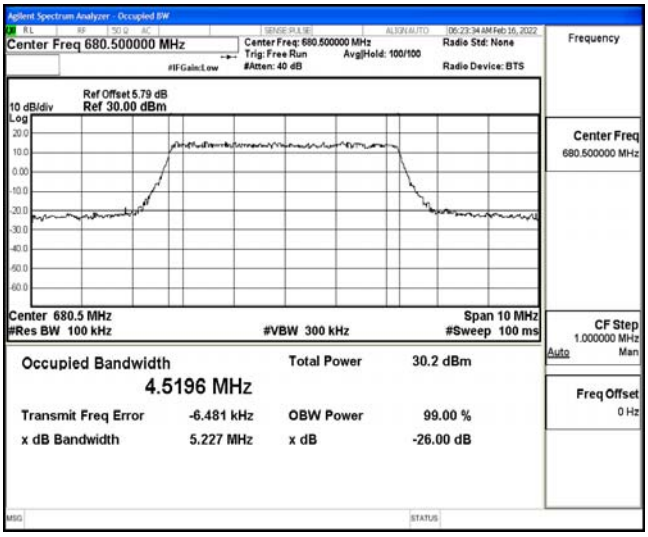
N.3 26dB Bandwidth and Occupied Bandwidth

Test Result

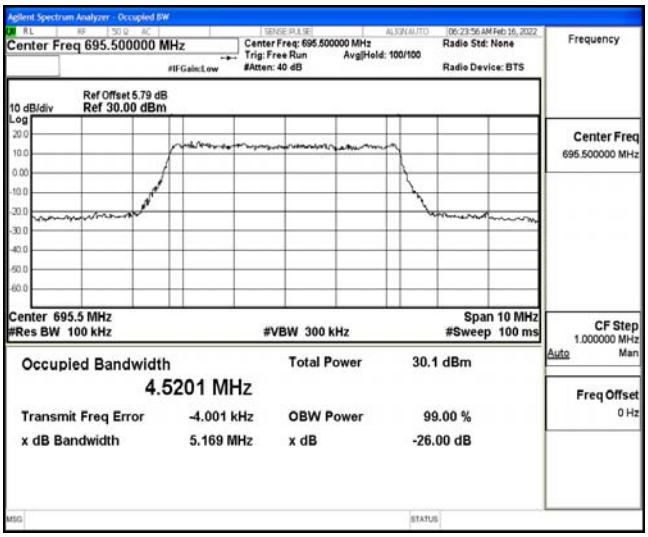
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5418	5.143	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5196	5.227	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5201	5.169	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5387	5.238	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5219	5.164	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5332	5.193	PASS
Band71	10MHz	QPSK	133172	50RB#0	9.0514	10.15	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0407	10.18	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0299	10.08	PASS
Band71	10MHz	16QAM	133172	50RB#0	9.0502	9.970	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0229	10.13	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9954	10.01	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.523	15.06	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.544	15.23	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.432	14.90	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.534	15.01	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.566	15.10	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.484	14.97	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.973	19.50	PASS
Band71	20MHz	QPSK	133297	100RB#0	18.072	19.91	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.955	19.68	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.993	19.57	PASS
Band71	20MHz	16QAM	133297	100RB#0	18.055	20.05	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.953	19.56	PASS

Test Graphs

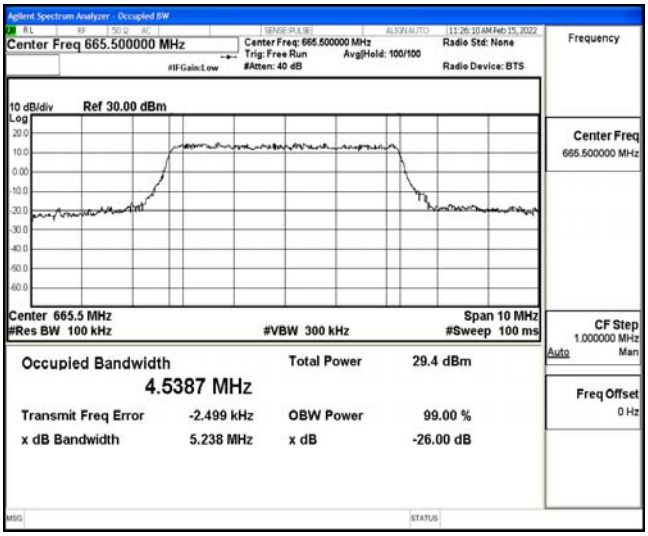
Band71-5MHz-QPSK-133147-25RB#0


Band71-5MHz-QPSK-133297-25RB#0


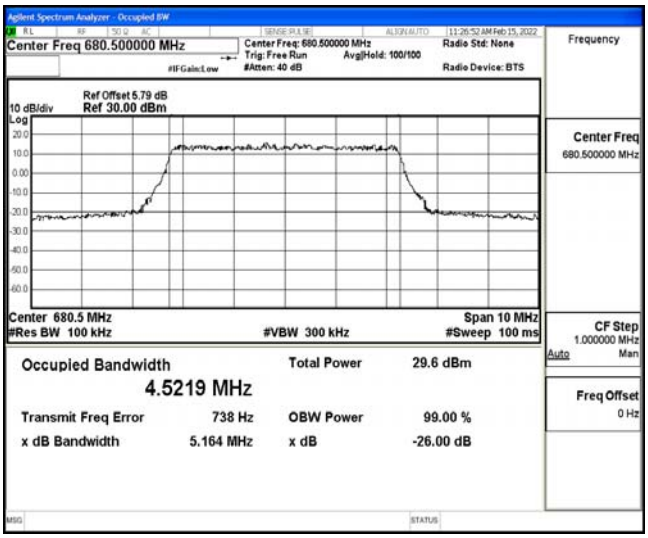
Band71-5MHz-QPSK-133447-25RB#0



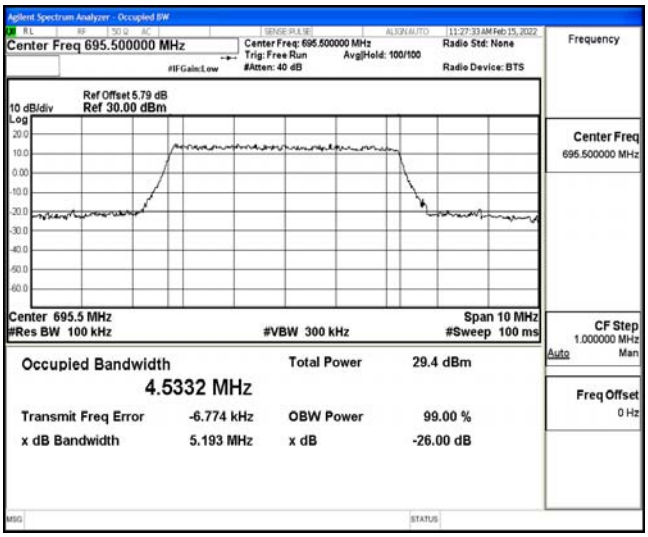
Band71-5MHz-16QAM-133147-25RB#0



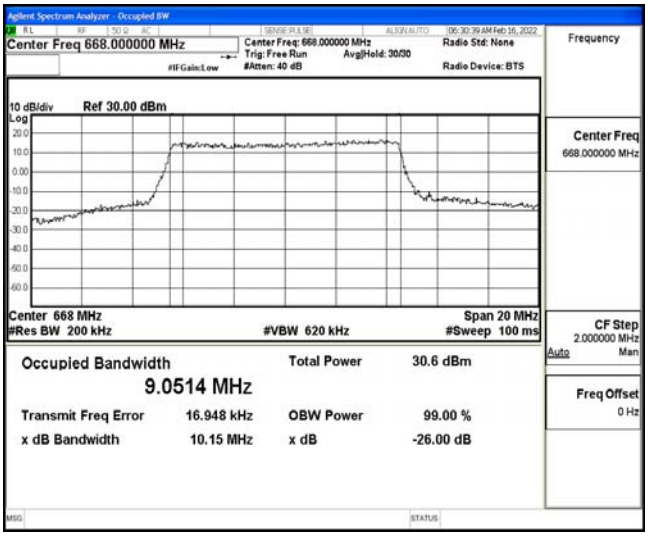
Band71-5MHz-16QAM-133297-25RB#0



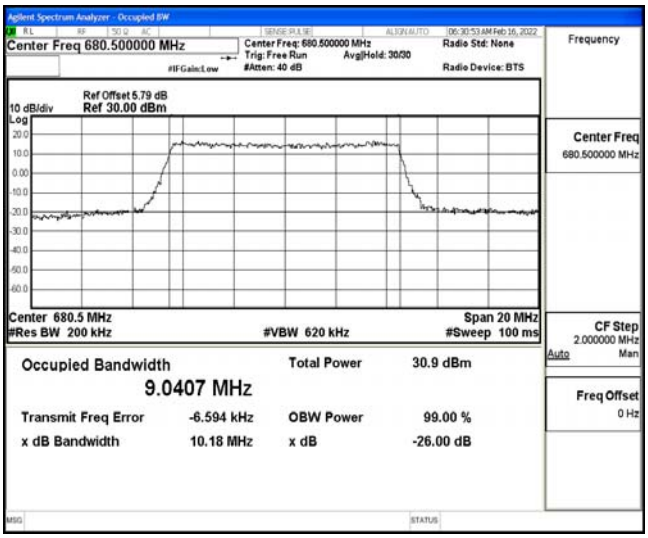
Band71-5MHz-16QAM-133447-25RB#0



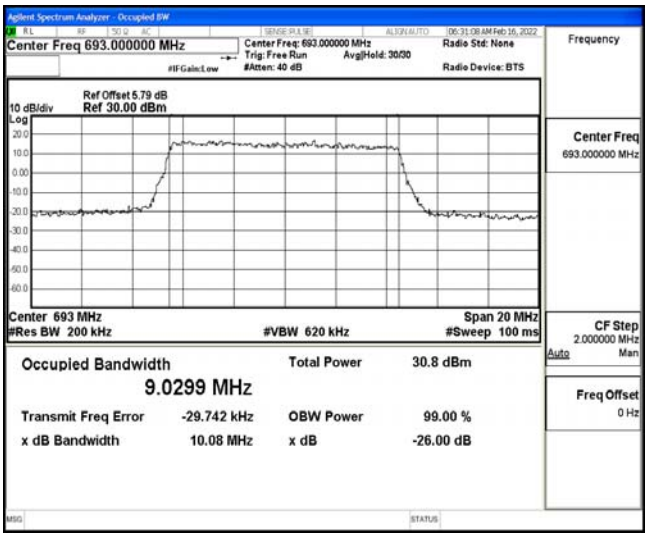
Band71-10MHz-QPSK-133172-50RB#0



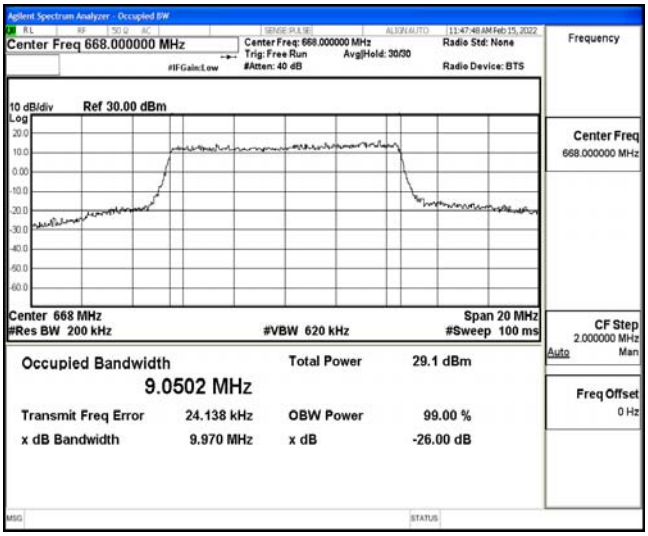
Band71-10MHz-QPSK-133297-50RB#0



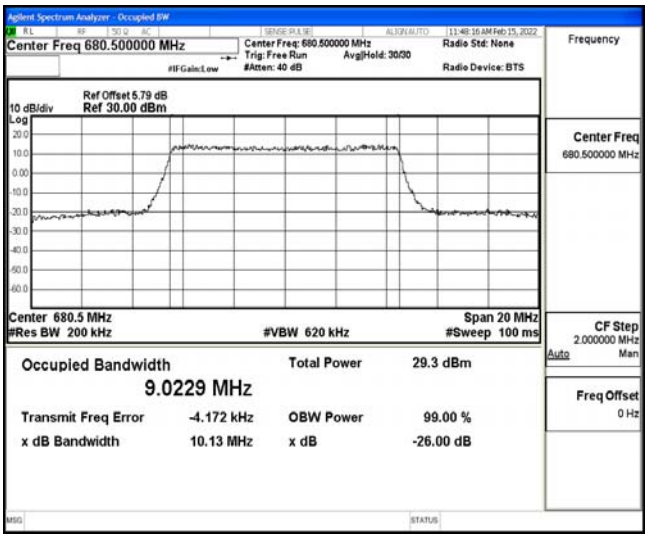
Band71-10MHz-QPSK-133422-50RB#0



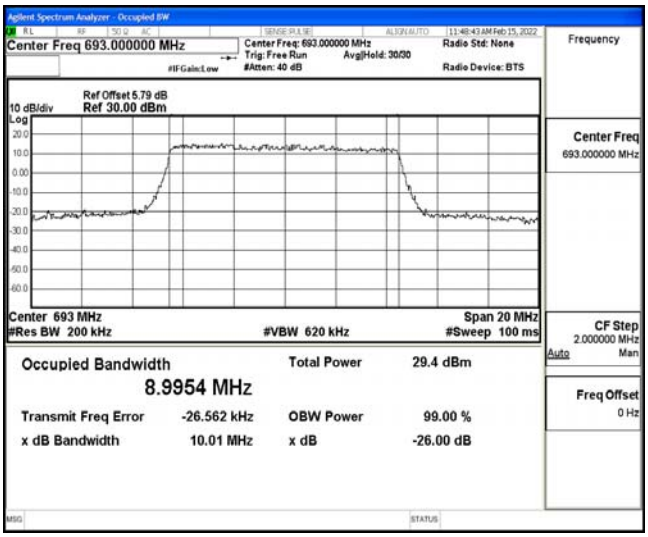
Band71-10MHz-16QAM-133172-50RB#0



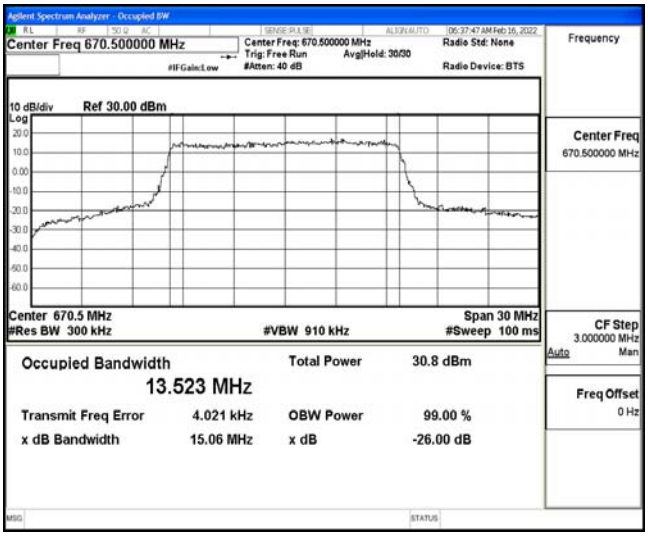
Band71-10MHz-16QAM-133297-50RB#0



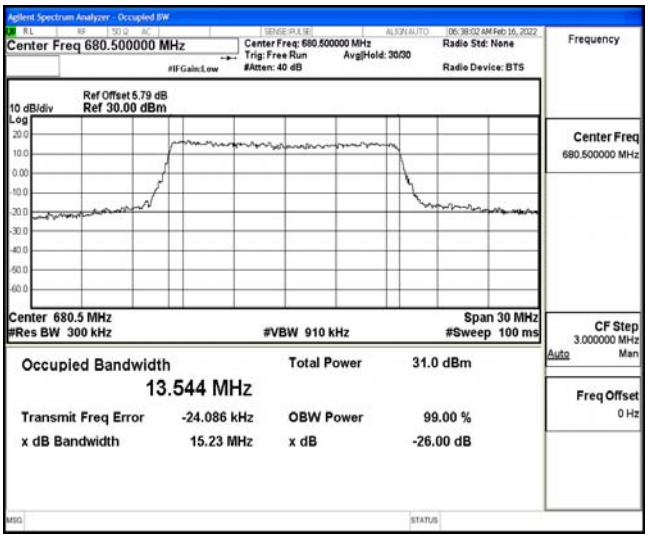
Band71-10MHz-16QAM-133422-50RB#0



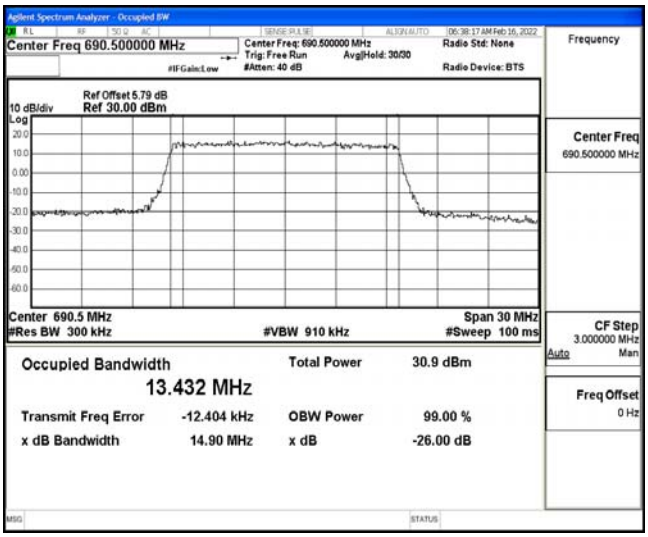
Band71-15MHz-QPSK-133197-75RB#0



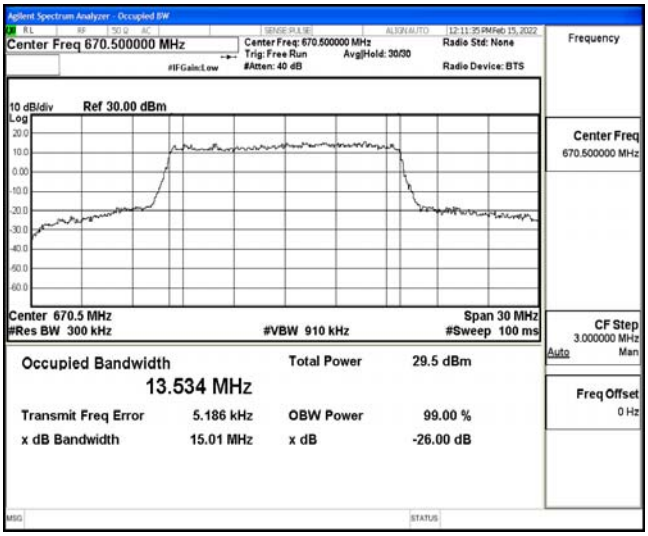
Band71-15MHz-QPSK-133297-75RB#0



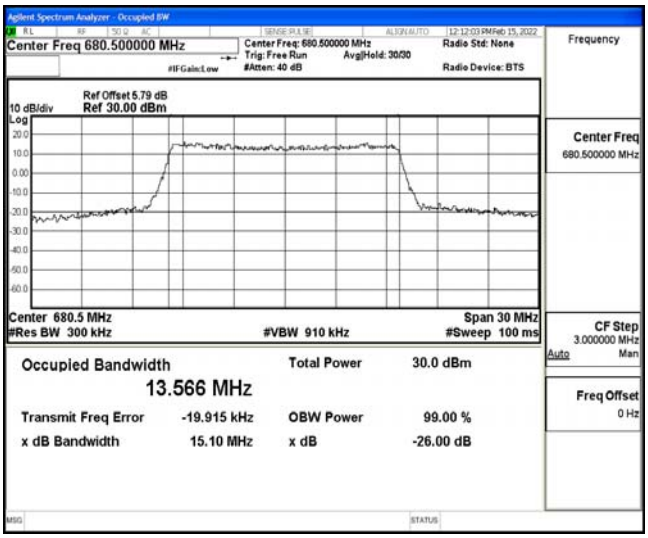
Band71-15MHz-QPSK-133397-75RB#0



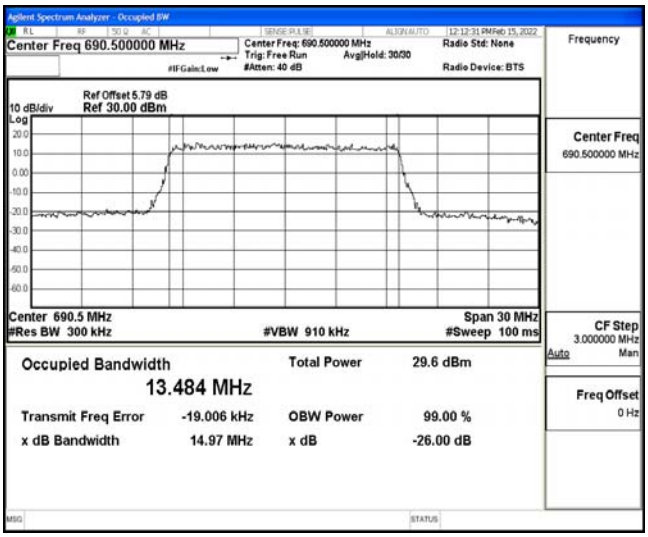
Band71-15MHz-16QAM-133197-75RB#0



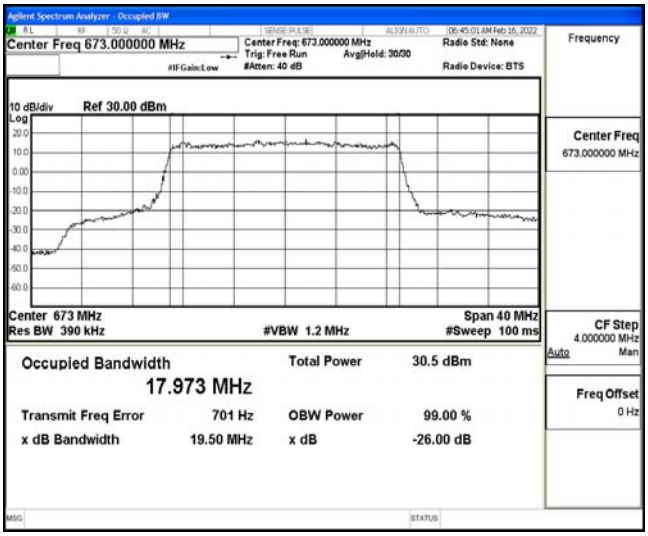
Band71-15MHz-16QAM-133297-75RB#0



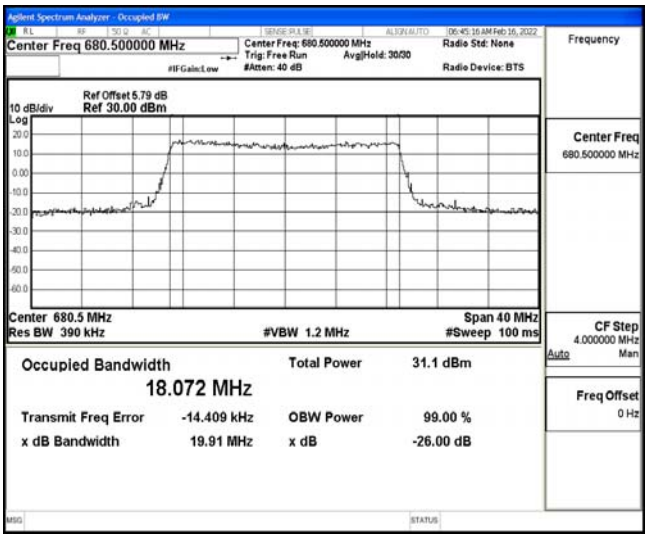
Band71-15MHz-16QAM-133397-75RB#0



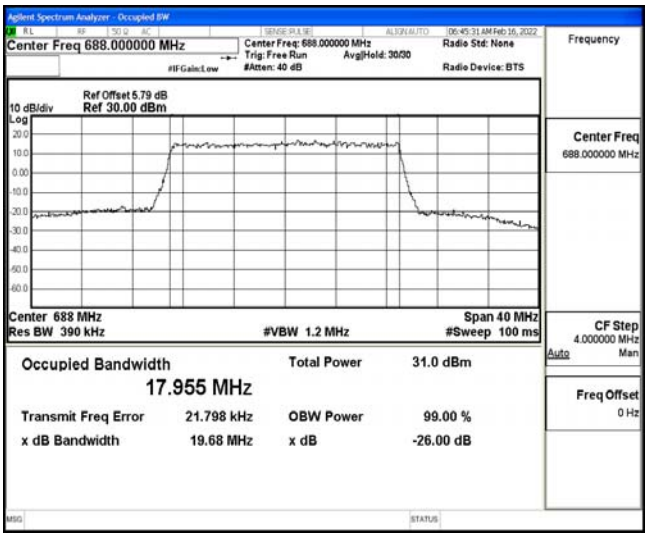
Band71-20MHz-QPSK-133222-100RB#0



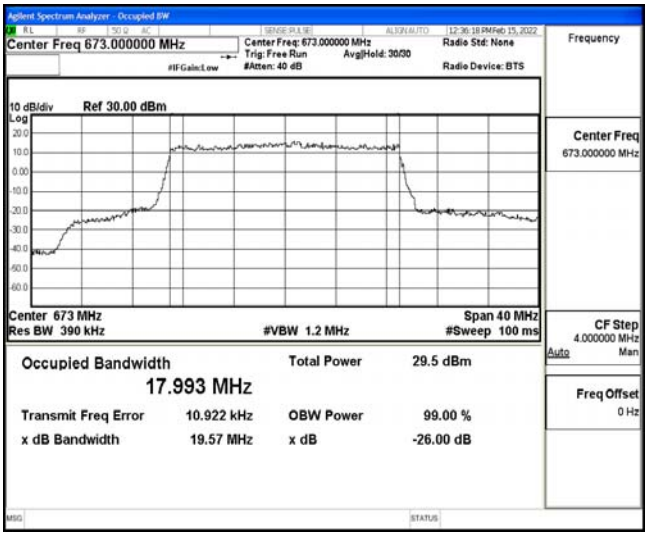
Band71-20MHz-QPSK-133297-100RB#0



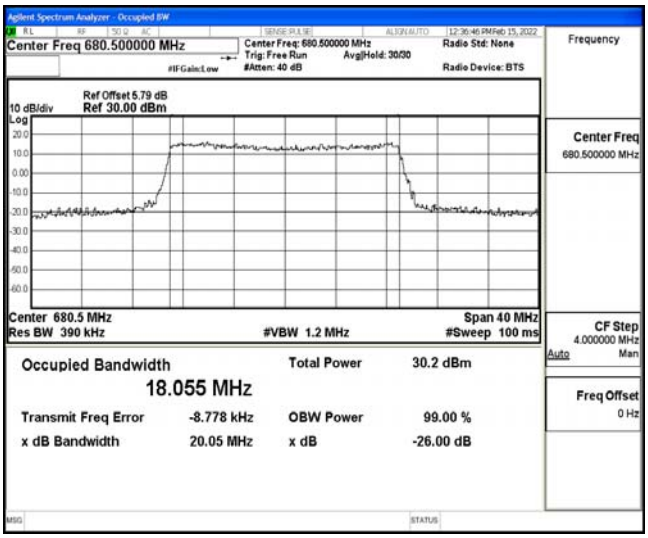
Band71-20MHz-QPSK-133372-100RB#0



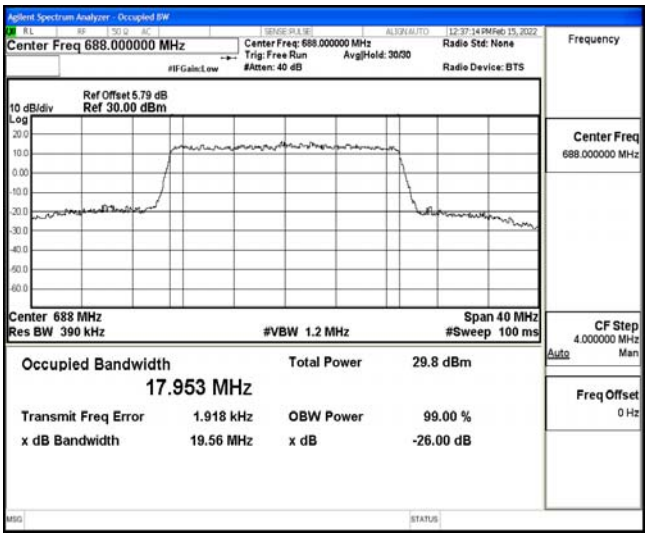
Band71-20MHz-16QAM-133222-100RB#0



Band71-20MHz-16QAM-133297-100RB#0



Band71-20MHz-16QAM-133372-100RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 688.000000 MHz
Center Freq: 688.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 5.79 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
688.000000 MHz
Center 688 MHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.953 MHz
Total Power 29.8 dBm
Transmit Freq Error 1.918 kHz
OBW Power 99.00 %
x dB Bandwidth 19.56 MHz
x dB -26.00 dB
Freq Offset
0 Hz

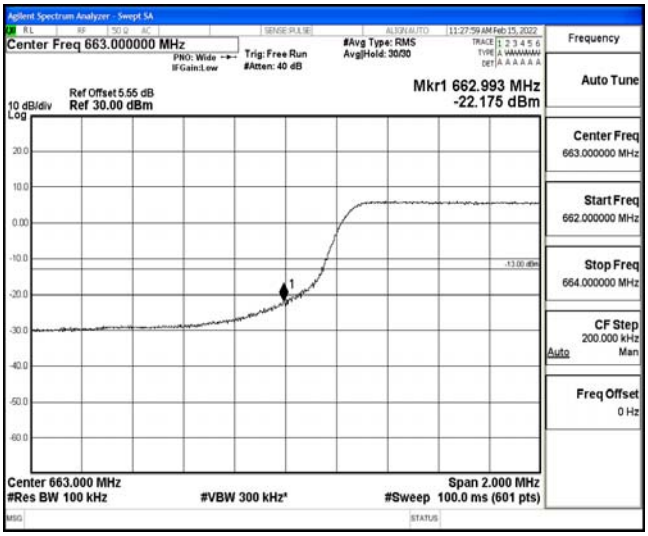
N.4 Band Edge

Test Result

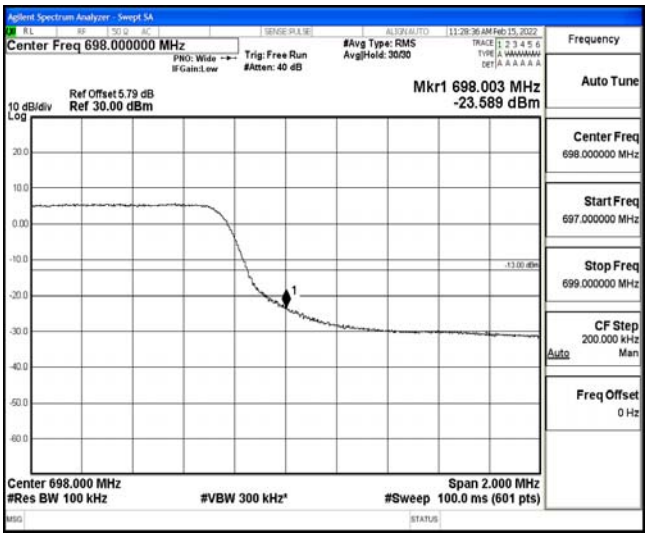
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	-22.18	PASS
Band71	5MHz	QPSK	133447	25RB#0	-23.59	PASS
Band71	5MHz	16QAM	133147	25RB#0	-22.24	PASS
Band71	5MHz	16QAM	133447	25RB#0	-23.63	PASS
Band71	10MHz	QPSK	133172	50RB#0	-25.18	PASS
Band71	10MHz	QPSK	133422	50RB#0	-27.36	PASS
Band71	10MHz	16QAM	133172	50RB#0	-26.50	PASS
Band71	10MHz	16QAM	133422	50RB#0	-27.64	PASS
Band71	15MHz	QPSK	133397	75RB#0	-28.20	PASS
Band71	15MHz	16QAM	133397	75RB#0	-28.17	PASS
Band71	20MHz	QPSK	133222	100RB#0	-26.97	PASS
Band71	20MHz	QPSK	133372	100RB#0	-28.99	PASS
Band71	20MHz	16QAM	133222	100RB#0	-27.61	PASS
Band71	20MHz	16QAM	133372	100RB#0	-29.30	PASS

Test Graphs

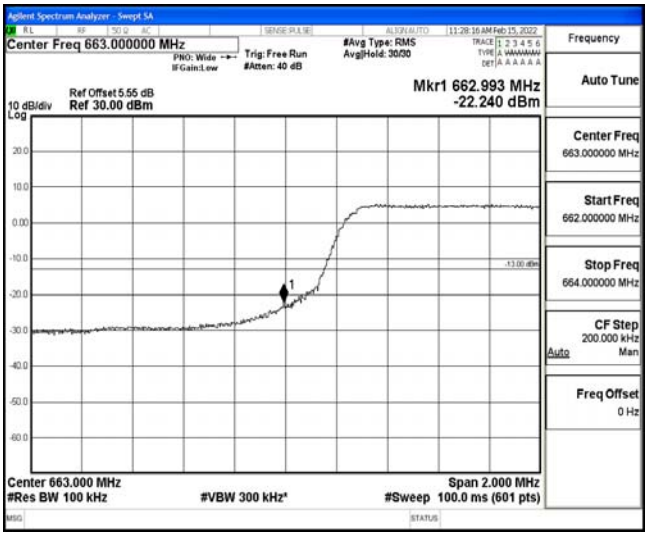
Band71-5MHz-QPSK-133147-25RB#0



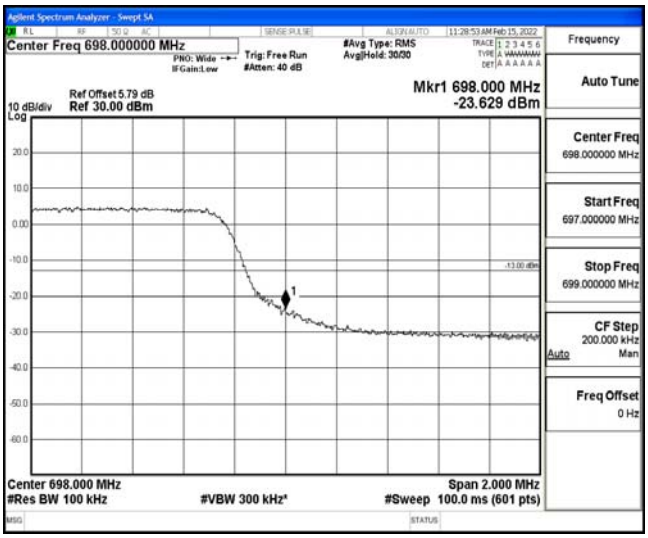
Band71-5MHz-QPSK-133447-25RB#0



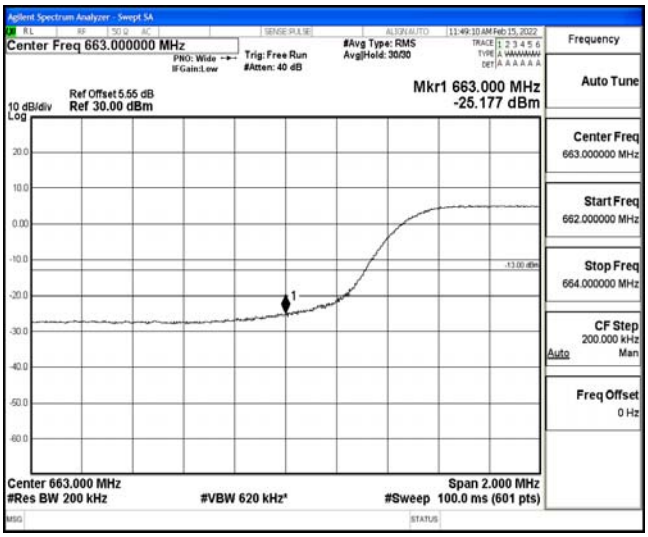
Band71-5MHz-16QAM-133147-25RB#0



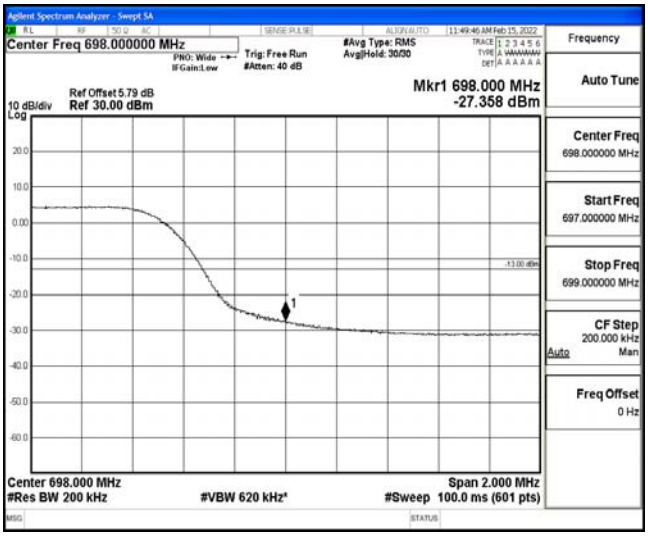
Band71-5MHz-16QAM-133447-25RB#0



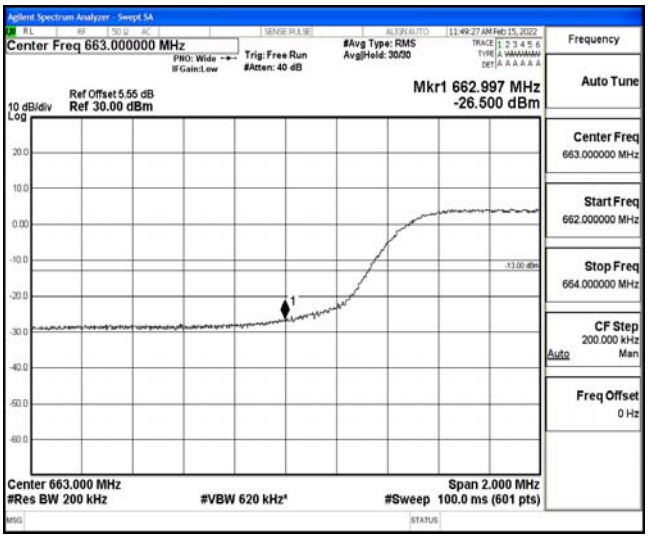
Band71-10MHz-QPSK-133172-50RB#0



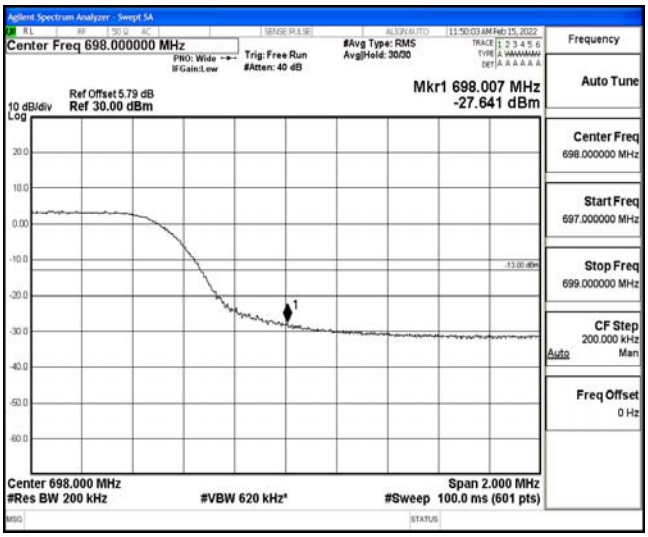
Band71-10MHz-QPSK-133422-50RB#0



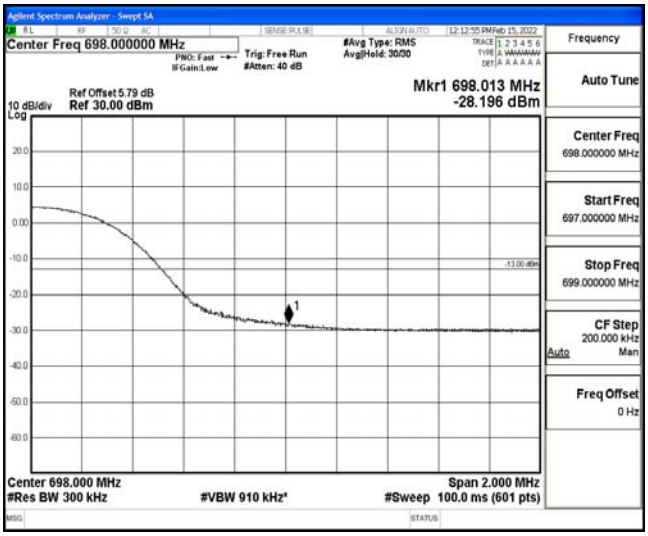
Band71-10MHz-16QAM-133172-50RB#0



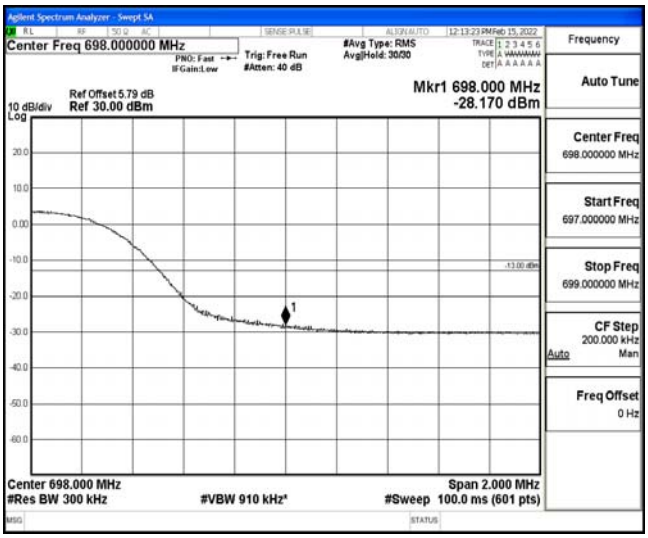
Band71-10MHz-16QAM-133422-50RB#0



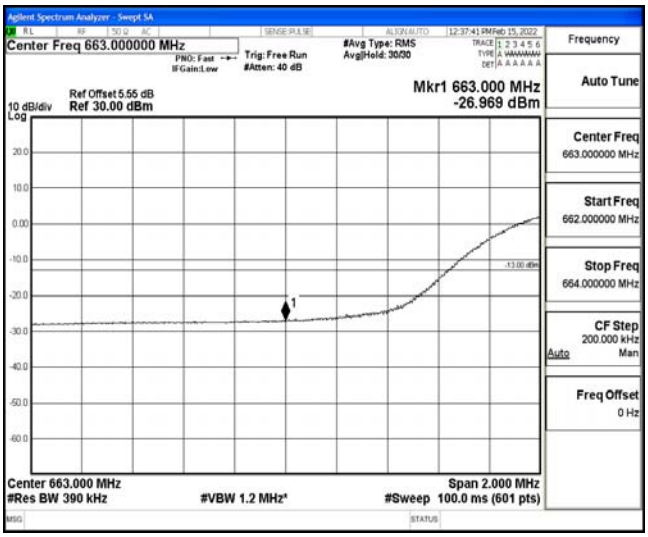
Band71-15MHz-QPSK-133397-75RB#0



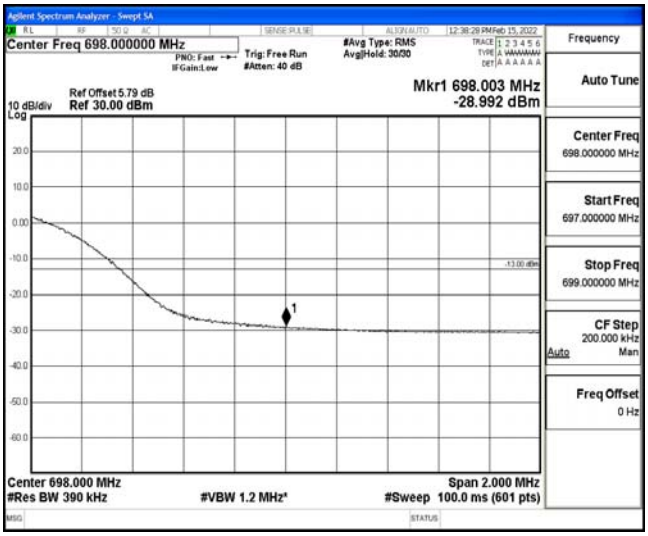
Band71-15MHz-16QAM-133397-75RB#0



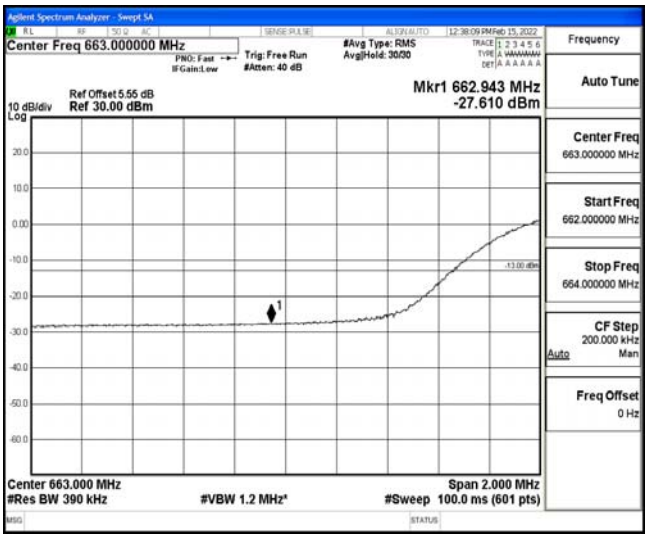
Band71-20MHz-QPSK-133222-100RB#0



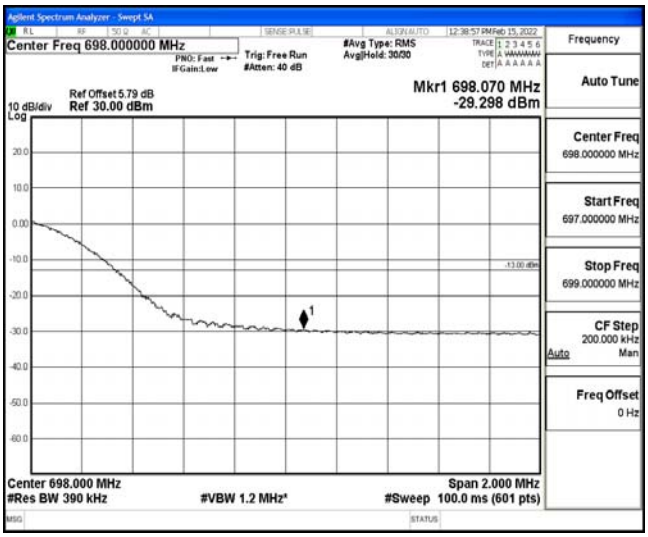
Band71-20MHz-QPSK-133372-100RB#0



Band71-20MHz-16QAM-133222-100RB#0



Band71-20MHz-16QAM-133372-100RB#0


Agilent Spectrum Analyzer - Swept SA
Center Freq 698.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 30/30
12:38:57 PM Feb 15, 2022
Frequency
Auto Tune
Ref Offset 5.79 dB
10 dB/div Ref 30.00 dBm
Log
Mkr1 698.070 MHz
-29.298 dBm
Center Freq
698.000000 MHz
Start Freq
697.000000 MHz
Stop Freq
699.000000 MHz
CF Step
200.000 kHz
Auto Man
Freq Offset
0 Hz
Center 698.000 MHz
#Res BW 390 kHz
#VBW 1.2 MHz*
Span 2.000 MHz
#Sweep 100.0 ms (601 pts)

N.5 Conducted Spurious Emission

Test Result

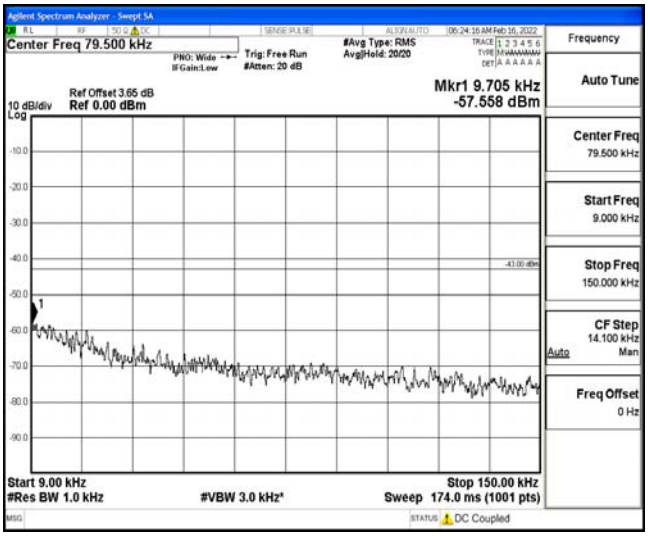
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	Range1:0.009~0.15MHz	-57.56	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range2:0.15~30MHz	-51.92	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range3:30~1000MHz	-41.16	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range4:1000~10000MHz	-45.52	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	-54.54	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	-49.98	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	-41.13	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	-45.4	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range1:0.009~0.15MHz	-57.61	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range2:0.15~30MHz	-51.01	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range3:30~1000MHz	-41.3	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range4:1000~10000MHz	-45.5	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range1:0.009~0.15MHz	-56.15	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range2:0.15~30MHz	-52.17	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range3:30~1000MHz	-41.5	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range4:1000~10000MHz	-45.32	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	-55.51	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	-52.5	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	-45.36	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range1:0.009~0.15MHz	-54.24	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range2:0.15~30MHz	-52.08	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range3:30~1000MHz	-41.6	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range4:1000~10000MHz	-45.46	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range1:0.009~0.15MHz	-56.25	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range2:0.15~30MHz	-49.2	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range3:30~1000MHz	-41.29	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range4:1000~10000MHz	-45.56	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	-55.97	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	-51.4	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	-41.81	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	-45.44	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range1:0.009~0.15MHz	-55.17	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range2:0.15~30MHz	-52.37	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range3:30~1000MHz	-41.69	PASS

Band71	10MHz	QPSK	133422	1RB#0	Range4:1000~10000MHz	-45.51	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range1:0.009~0.15MHz	-57.07	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range2:0.15~30MHz	-51.41	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range4:1000~10000MHz	-45.44	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	-54.89	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	-49.97	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	-41.37	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	-45.53	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range1:0.009~0.15MHz	-55.37	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range3:30~1000MHz	-41.1	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range4:1000~10000MHz	-45.42	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range1:0.009~0.15MHz	-54.37	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range2:0.15~30MHz	-51.3	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range3:30~1000MHz	-40.45	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range4:1000~10000MHz	-45.59	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	-53.4	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	-50.57	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	-45.58	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range1:0.009~0.15MHz	-55.21	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range2:0.15~30MHz	-50.45	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range3:30~1000MHz	-41.76	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range4:1000~10000MHz	-45.49	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range1:0.009~0.15MHz	-57.29	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range2:0.15~30MHz	-52.83	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range3:30~1000MHz	-41.38	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range4:1000~10000MHz	-45.44	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	-56.3	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	-51.4	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	-42.13	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	-45.35	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range1:0.009~0.15MHz	-57.32	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range2:0.15~30MHz	-51	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range3:30~1000MHz	-41.56	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range4:1000~10000MHz	-45.34	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range1:0.009~0.15MHz	-55.63	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range3:30~1000MHz	-41.39	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range4:1000~10000MHz	-45.44	PASS
Band71	20MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	-56.67	PASS
Band71	20MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	-51.76	PASS

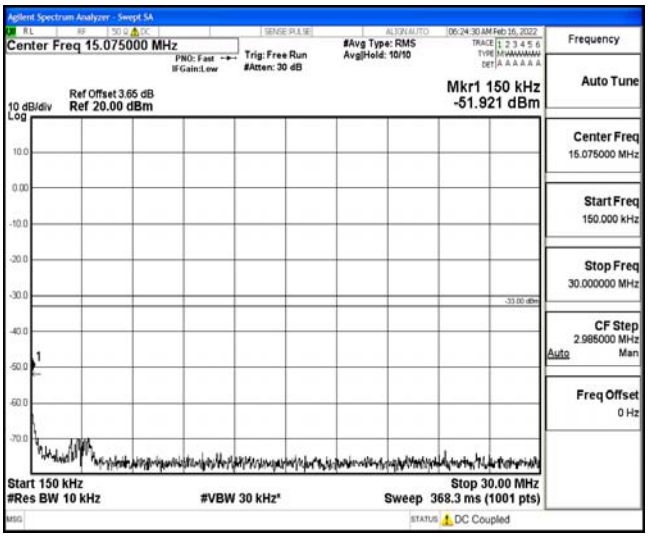
Band71	20MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	-41.09	PASS
Band71	20MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	-45.5	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range1:0.009~0.15MHz	-55.4	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range2:0.15~30MHz	-52.52	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range3:30~1000MHz	-41.35	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range4:1000~10000MHz	-45.51	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range1:0.009~0.15MHz	-56.29	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range2:0.15~30MHz	-50.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range3:30~1000MHz	-40.97	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range4:1000~10000MHz	-45.43	PASS
Band71	20MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	-55.5	PASS
Band71	20MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	-52.8	PASS
Band71	20MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	-41.7	PASS
Band71	20MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	-45.45	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range1:0.009~0.15MHz	-56.03	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range2:0.15~30MHz	-52.5	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range3:30~1000MHz	-41.93	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range4:1000~10000MHz	-45.54	PASS

Test Graphs

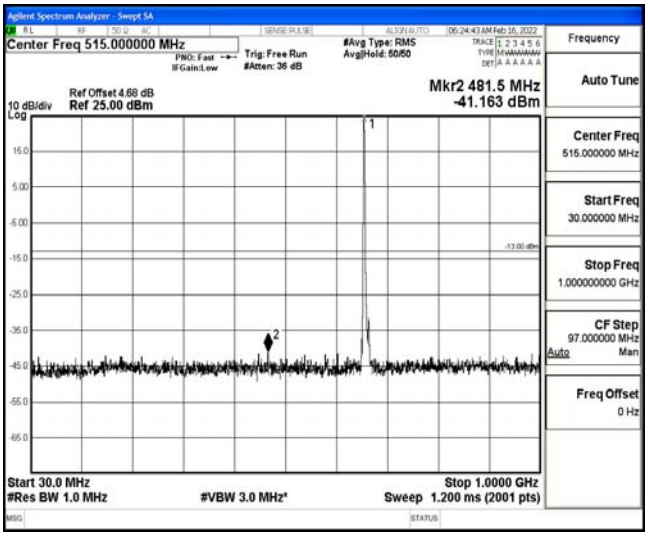
Band71-5MHz-QPSK-133147-1RB#0-Range1:0.009~0.15MHz



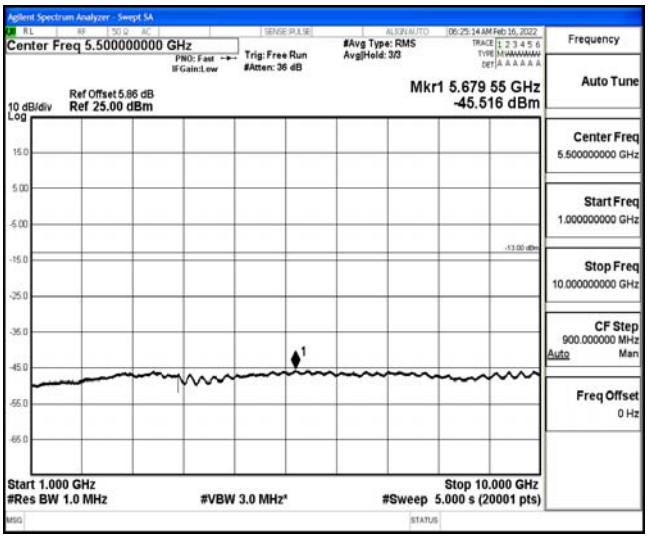
Band71-5MHz-QPSK-133147-1RB#0-Range2:0.15~30MHz



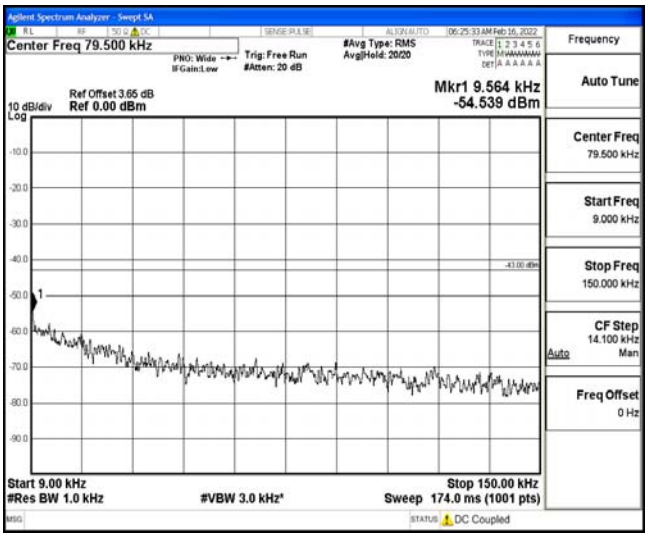
Band71-5MHz-QPSK-133147-1RB#0-Range3:30~1000MHz



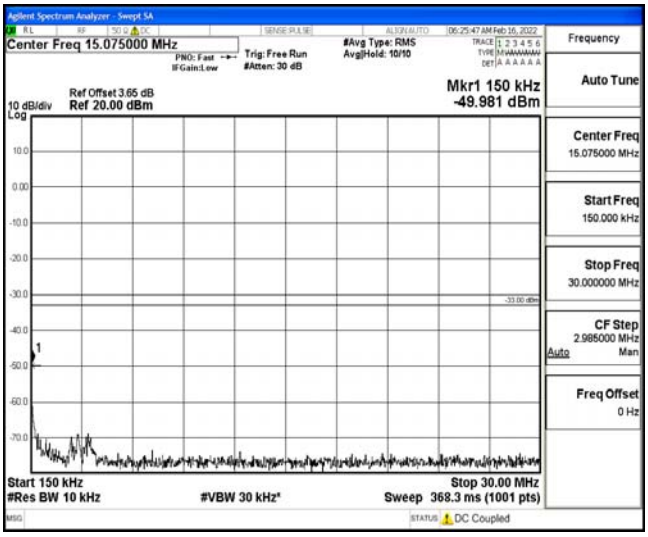
Band71-5MHz-QPSK-133147-1RB#0-Range4:1000~10000MHz



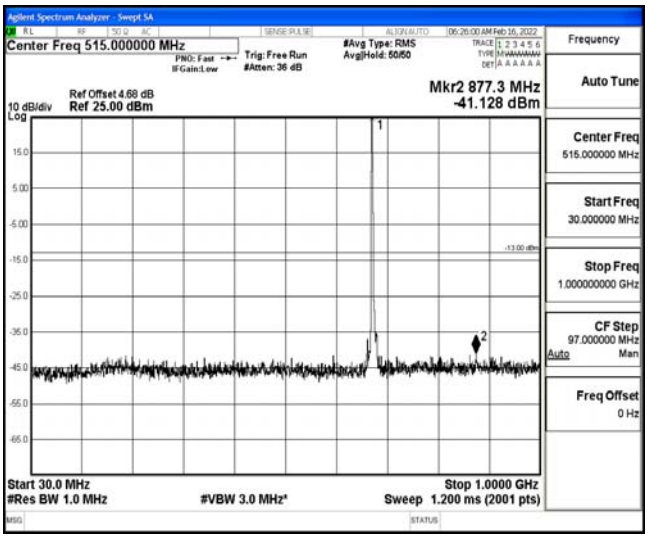
Band71-5MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



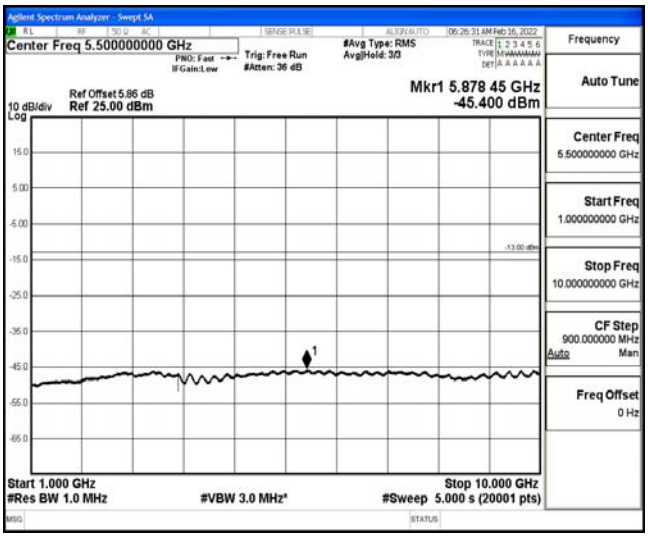
Band71-5MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



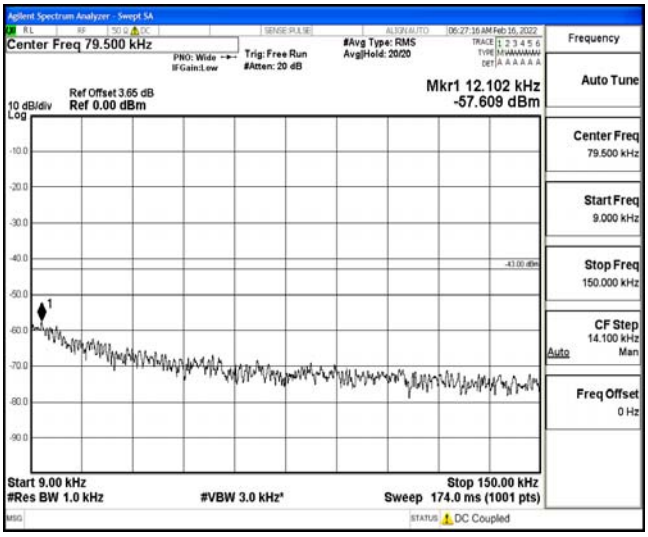
Band71-5MHz-QPSK-133297-1RB#0-Range3:30~1000MHz



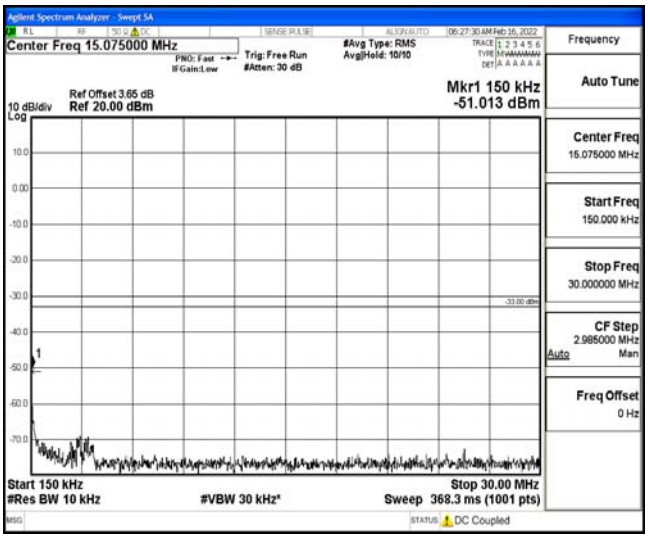
Band71-5MHz-QPSK-133297-1RB#0-Range4:1000~10000MHz



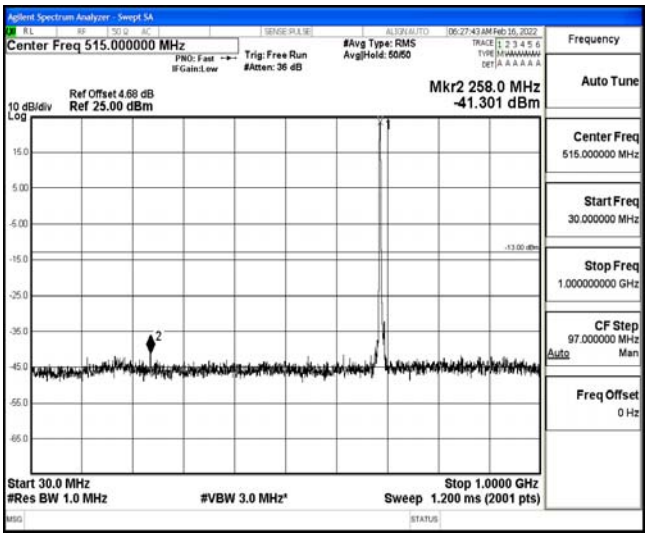
Band71-5MHz-QPSK-133447-1RB#0-Range1:0.009~0.15MHz



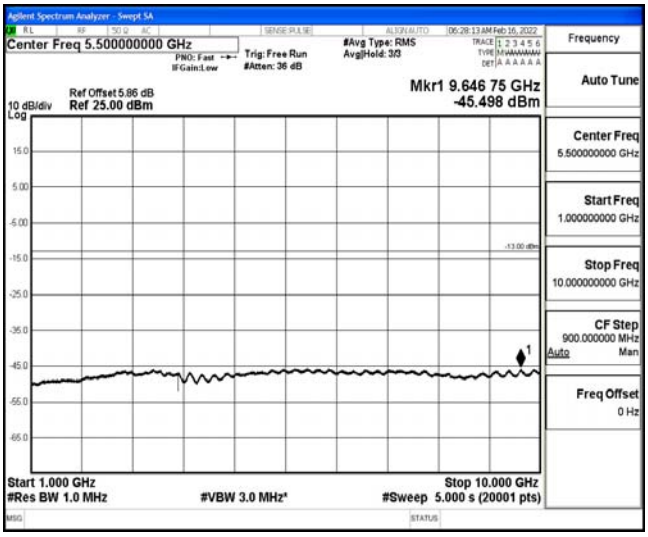
Band71-5MHz-QPSK-133447-1RB#0-Range2:0.15~30MHz



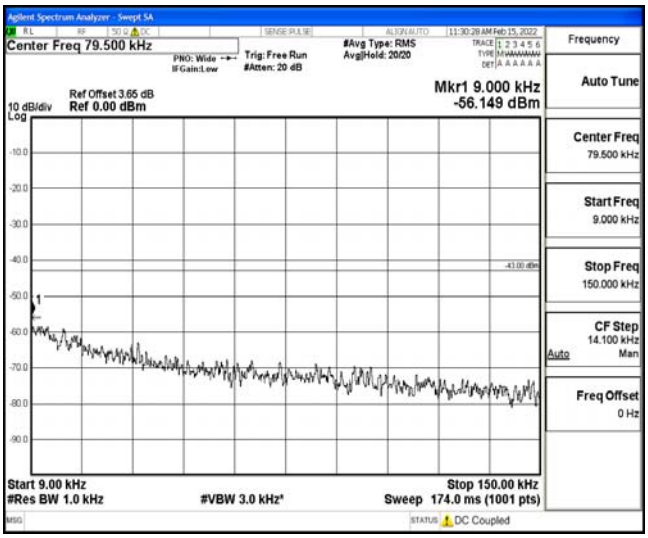
Band71-5MHz-QPSK-133447-1RB#0-Range3:30~1000MHz



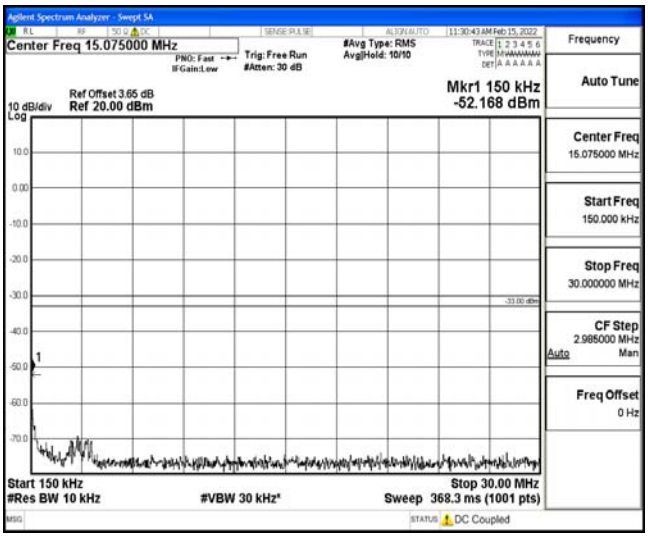
Band71-5MHz-QPSK-133447-1RB#0-Range4:1000~10000MHz



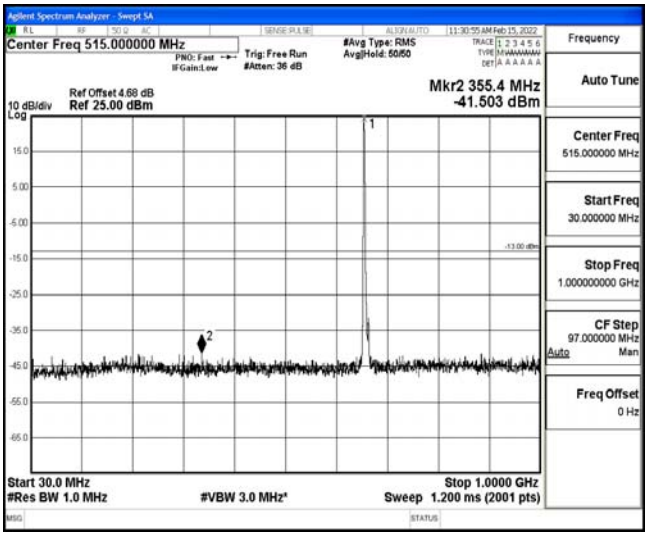
Band71-5MHz-16QAM-133147-1RB#0-Range1:0.009~0.15MHz



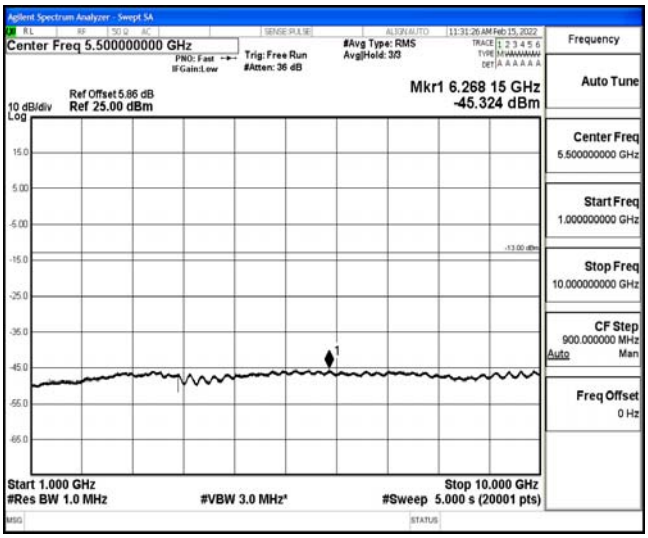
Band71-5MHz-16QAM-133147-1RB#0-Range2:0.15~30MHz



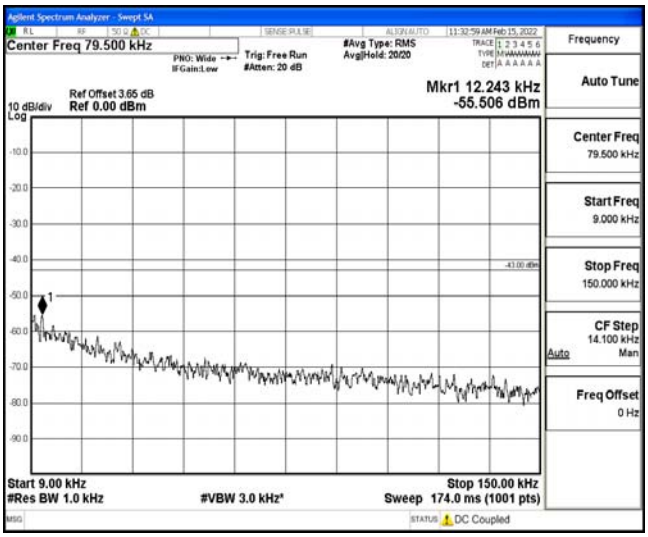
Band71-5MHz-16QAM-133147-1RB#0-Range3:30~1000MHz



Band71-5MHz-16QAM-133147-1RB#0-Range4:1000~10000MHz

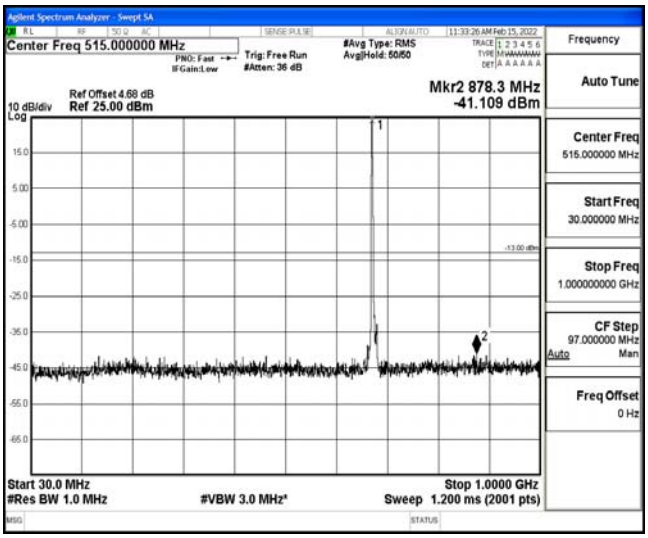


Band71-5MHz-16QAM-133297-1RB#0-Range1:0.009~0.15MHz

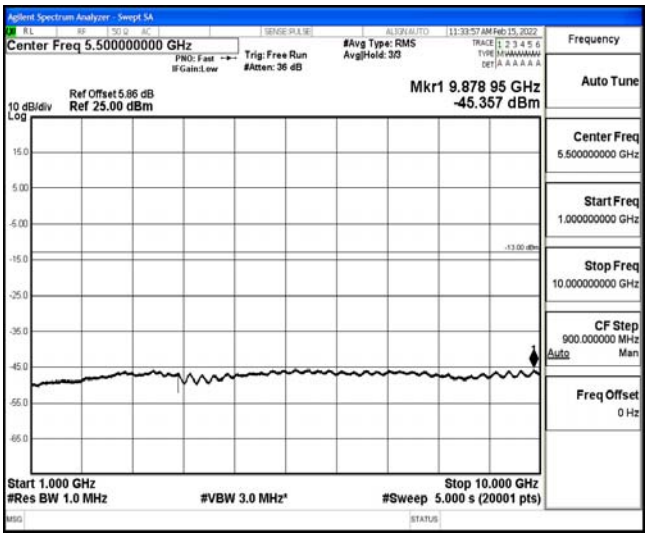


Band71-5MHz-16QAM-133297-1RB#0-Range2:0.15~30MHz

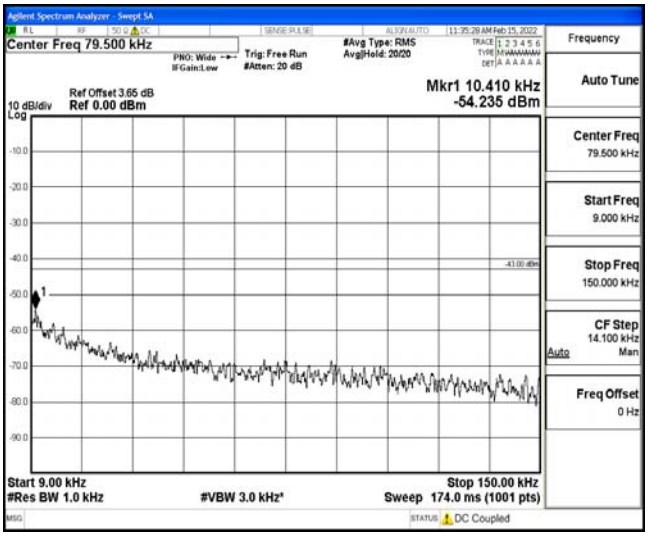
Band71-5MHz-16QAM-133297-1RB#0-Range3:30~1000MHz



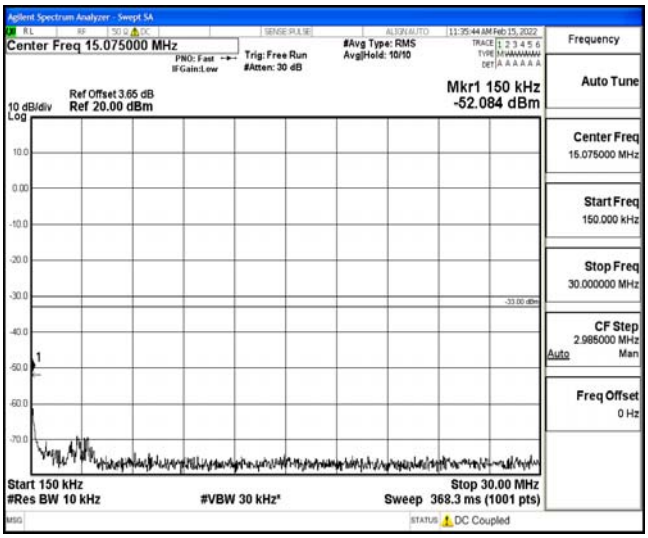
Band71-5MHz-16QAM-133297-1RB#0-Range4:1000~10000MHz



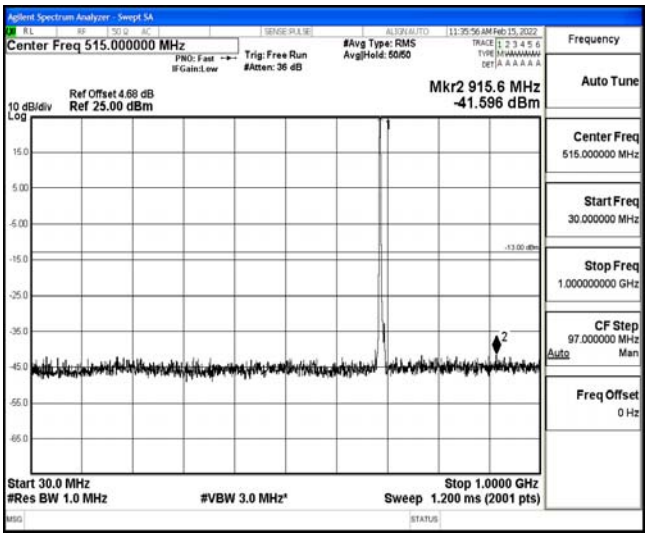
Band71-5MHz-16QAM-133447-1RB#0-Range1:0.009~0.15MHz



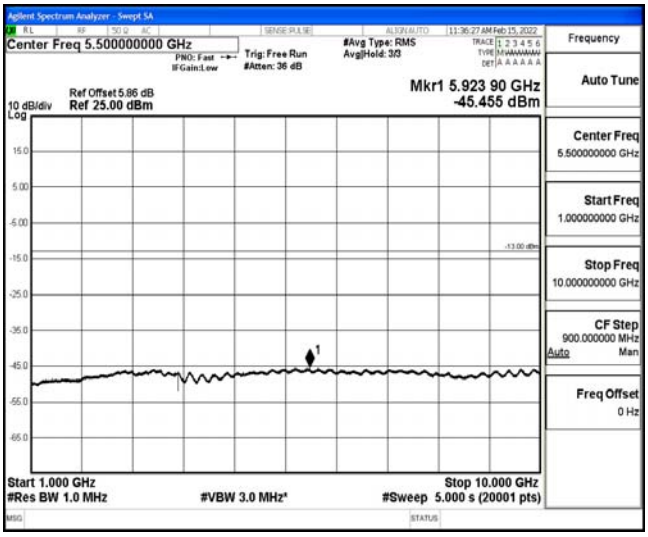
Band71-5MHz-16QAM-133447-1RB#0-Range2:0.15~30MHz



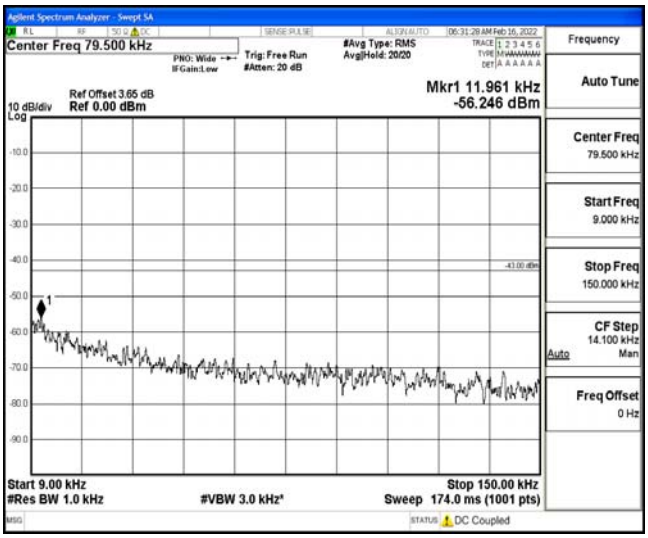
Band71-5MHz-16QAM-133447-1RB#0-Range3:30~1000MHz



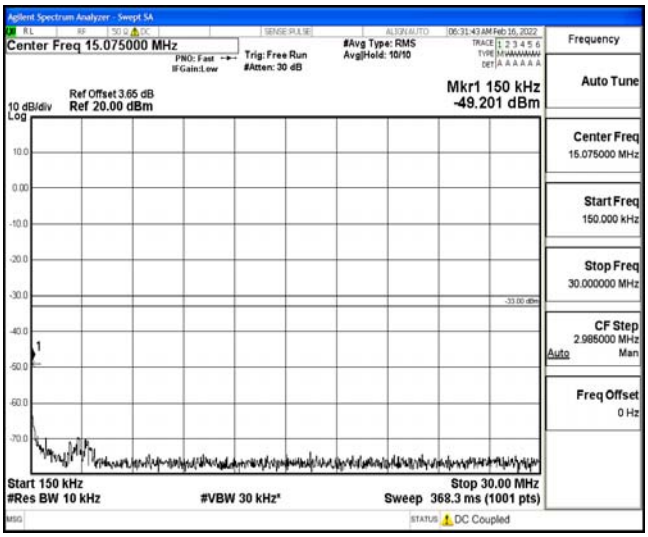
Band71-5MHz-16QAM-133447-1RB#0-Range4:1000~10000MHz



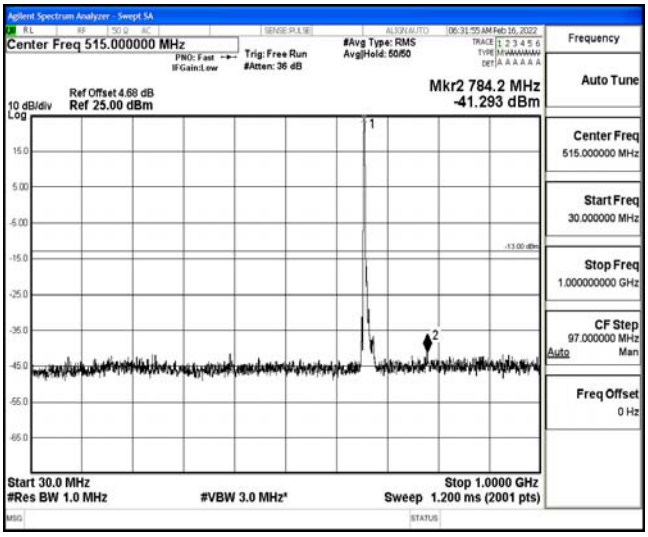
Band71-10MHz-QPSK-133172-1RB#0-Range1:0.009~0.15MHz



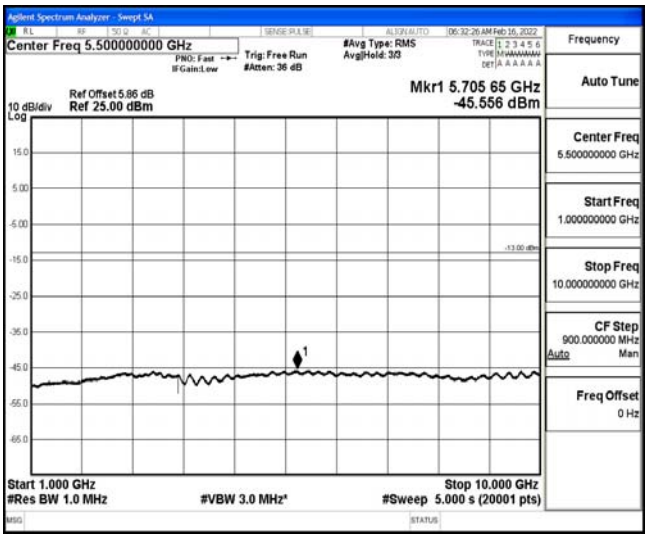
Band71-10MHz-QPSK-133172-1RB#0-Range2:0.15~30MHz



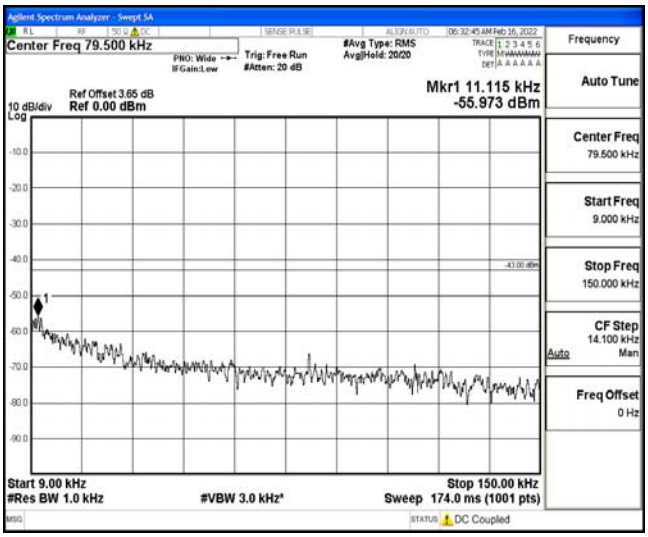
Band71-10MHz-QPSK-133172-1RB#0-Range3:30~1000MHz



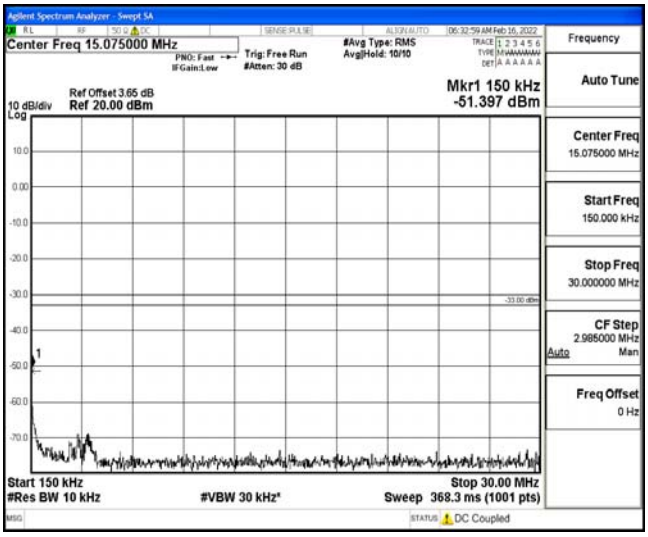
Band71-10MHz-QPSK-133172-1RB#0-Range4:1000~10000MHz



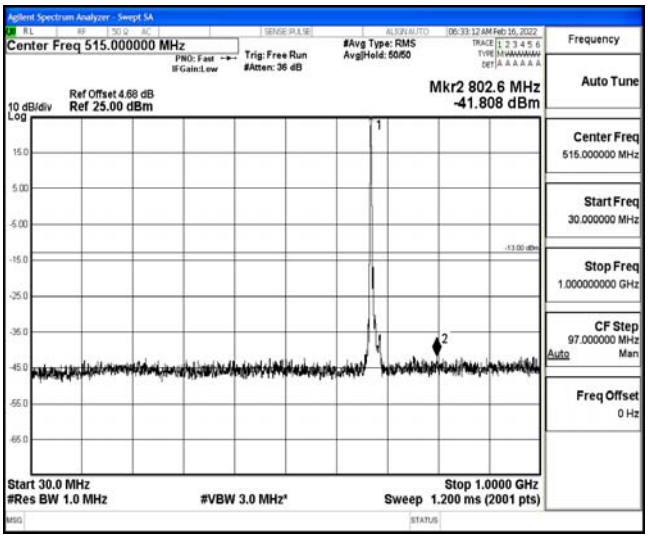
Band71-10MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



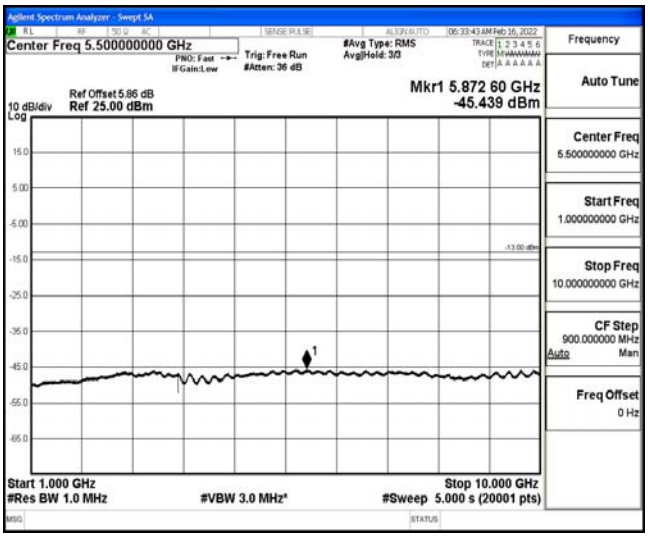
Band71-10MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



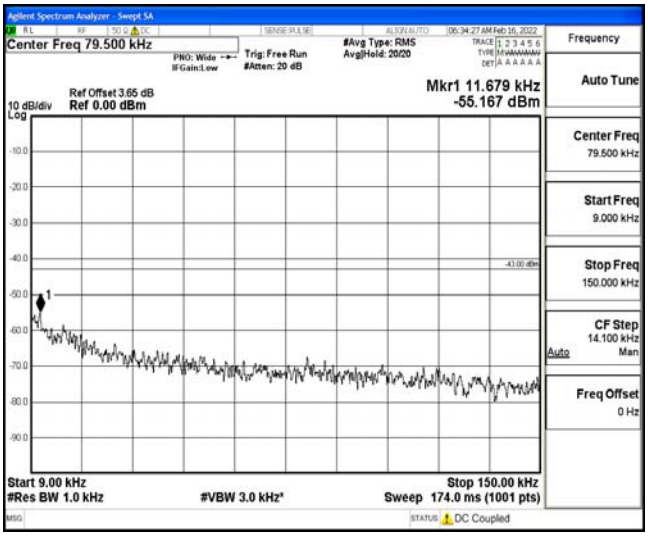
Band71-10MHz-QPSK-133297-1RB#0-Range3:30~1000MHz



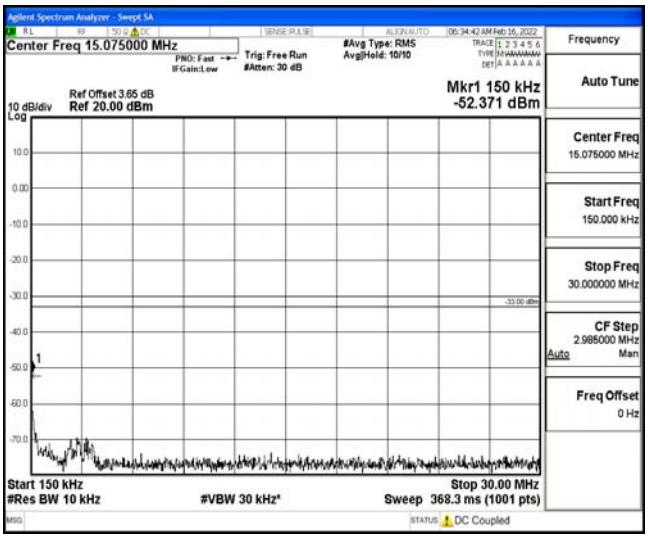
Band71-10MHz-QPSK-133297-1RB#0-Range4:1000~10000MHz



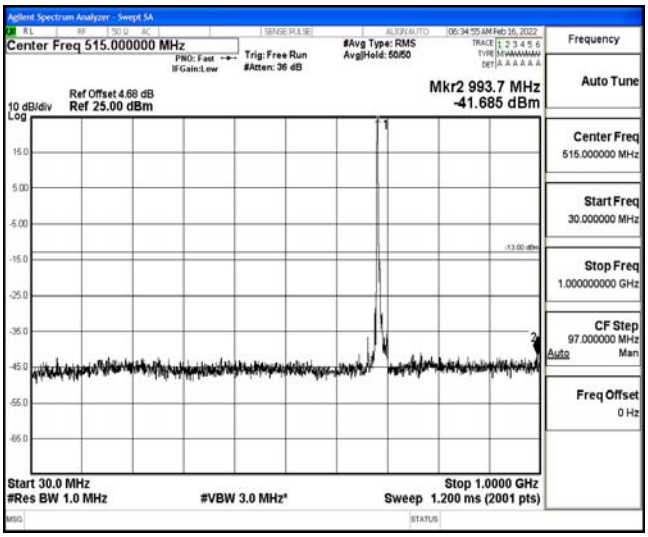
Band71-10MHz-QPSK-133422-1RB#0-Range1:0.009~0.15MHz



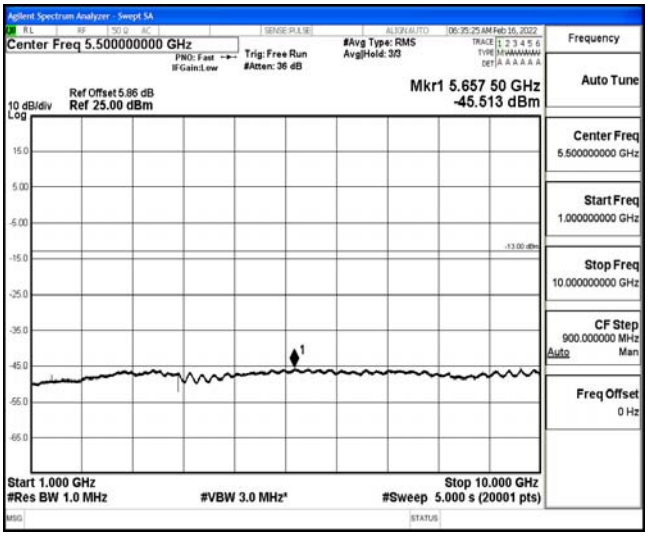
Band71-10MHz-QPSK-133422-1RB#0-Range2:0.15~30MHz



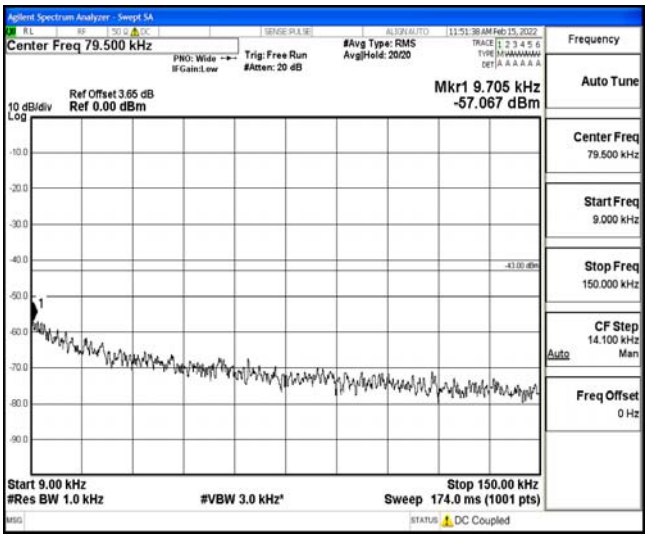
Band71-10MHz-QPSK-133422-1RB#0-Range3:30~1000MHz



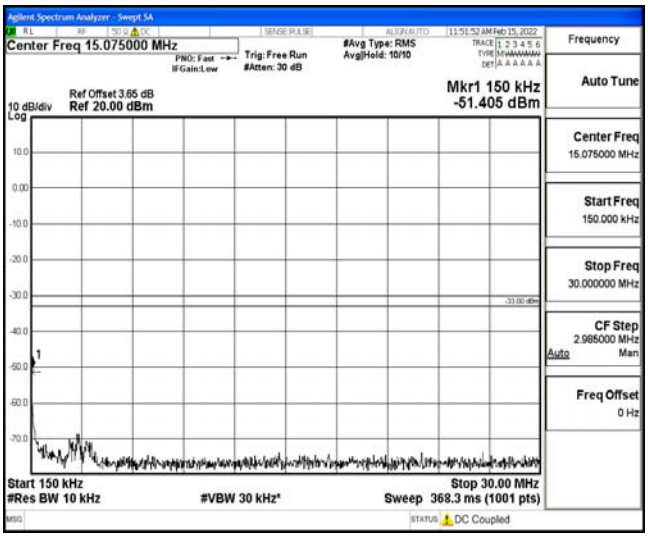
Band71-10MHz-QPSK-133422-1RB#0-Range4:1000~10000MHz



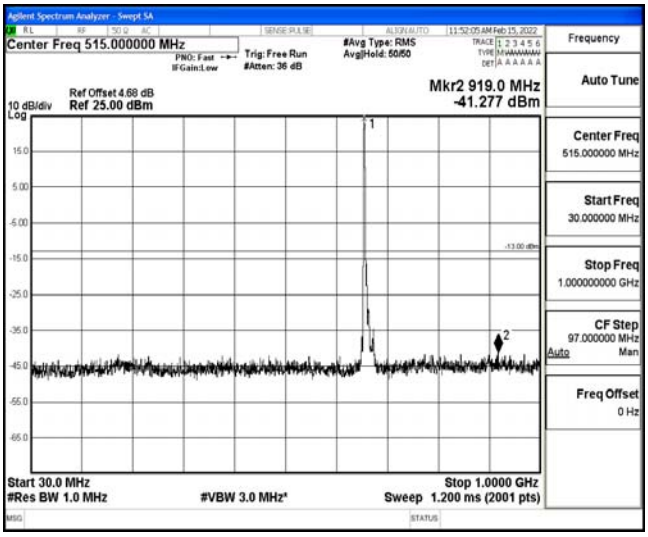
Band71-10MHz-16QAM-133172-1RB#0-Range1:0.009~0.15MHz



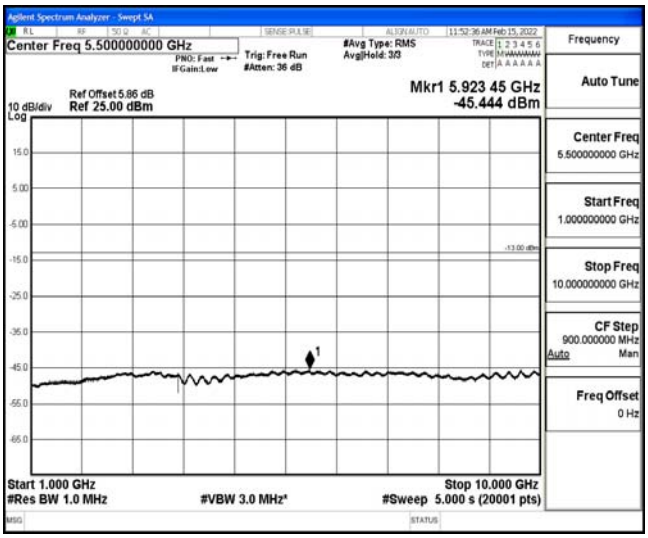
Band71-10MHz-16QAM-133172-1RB#0-Range2:0.15~30MHz



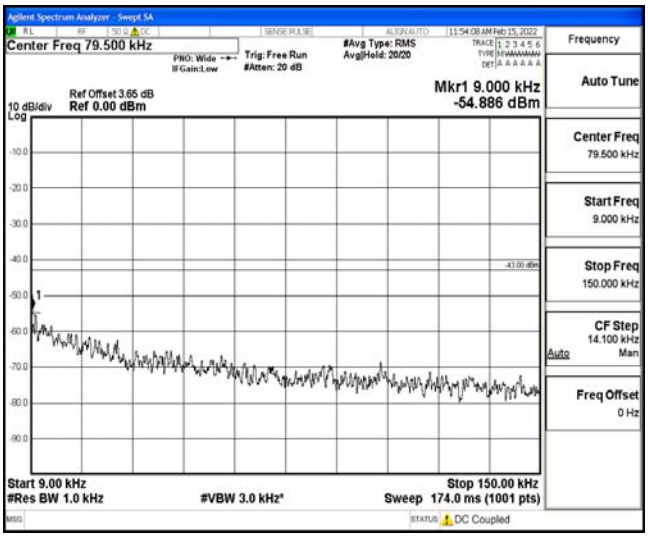
Band71-10MHz-16QAM-133172-1RB#0-Range3:30~1000MHz



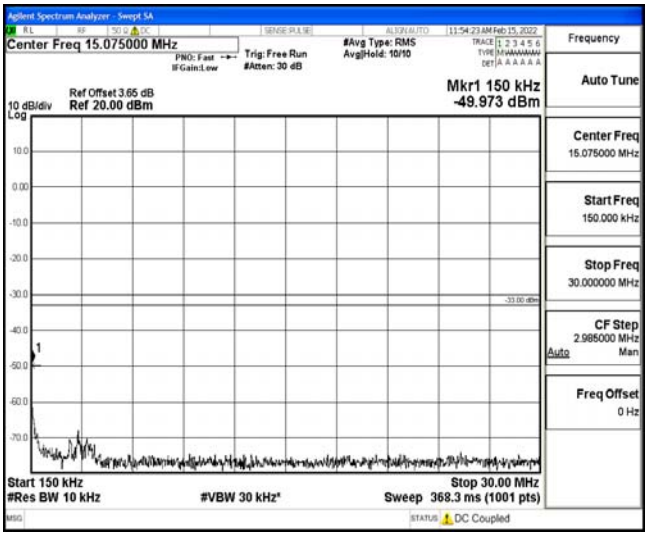
Band71-10MHz-16QAM-133172-1RB#0-Range4:1000~10000MHz



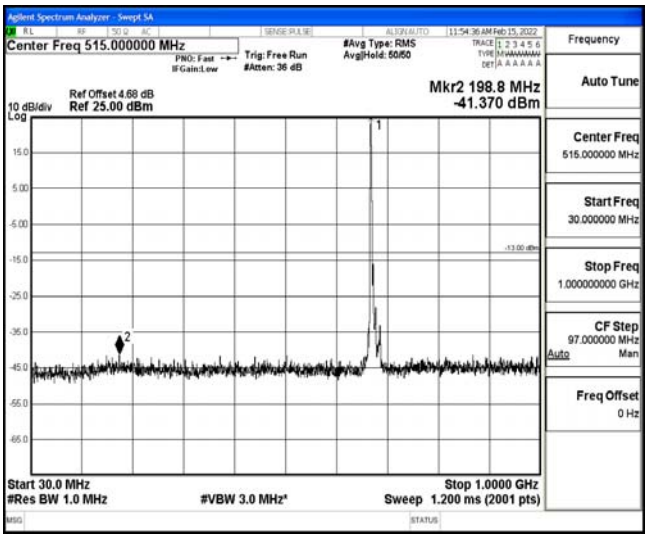
Band71-10MHz-16QAM-133297-1RB#0-Range1:0.009~0.15MHz



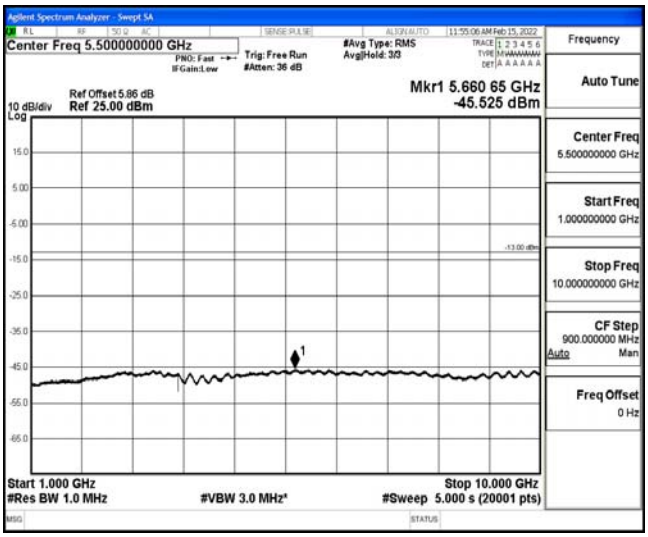
Band71-10MHz-16QAM-133297-1RB#0-Range2:0.15~30MHz



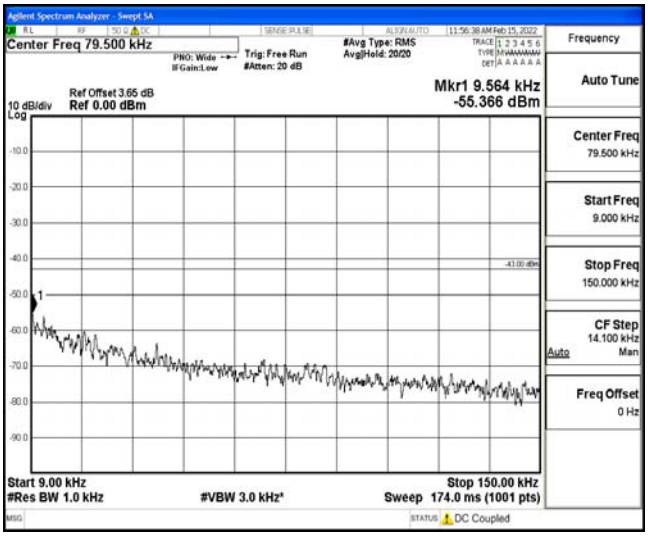
Band71-10MHz-16QAM-133297-1RB#0-Range3:30~1000MHz



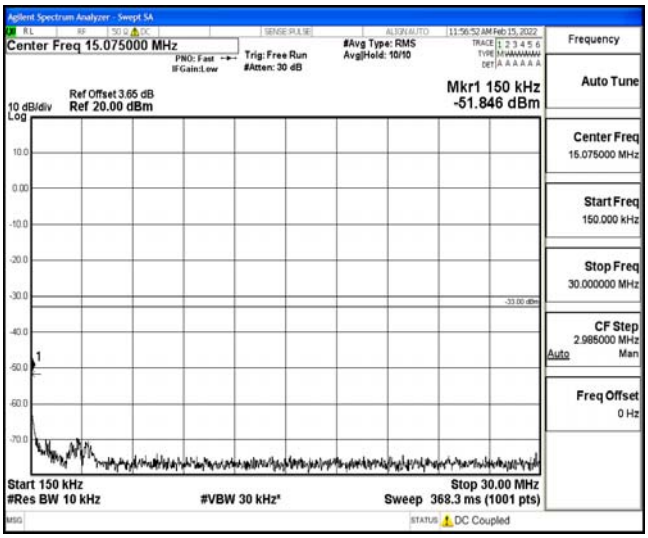
Band71-10MHz-16QAM-133297-1RB#0-Range4:1000~10000MHz



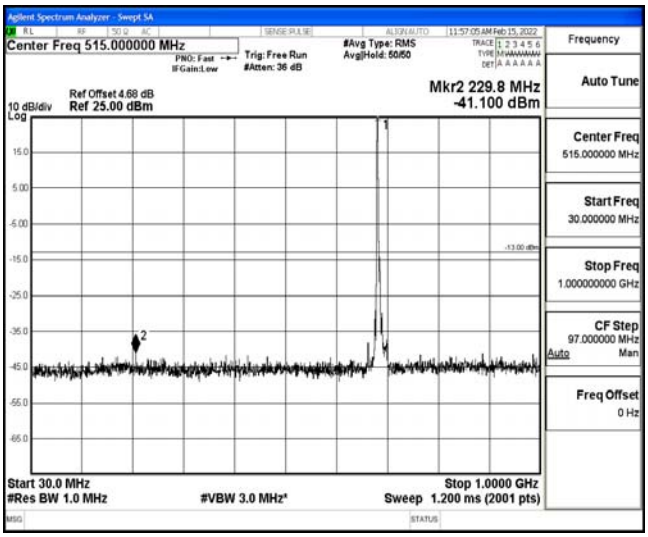
Band71-10MHz-16QAM-133422-1RB#0-Range1:0.009~0.15MHz



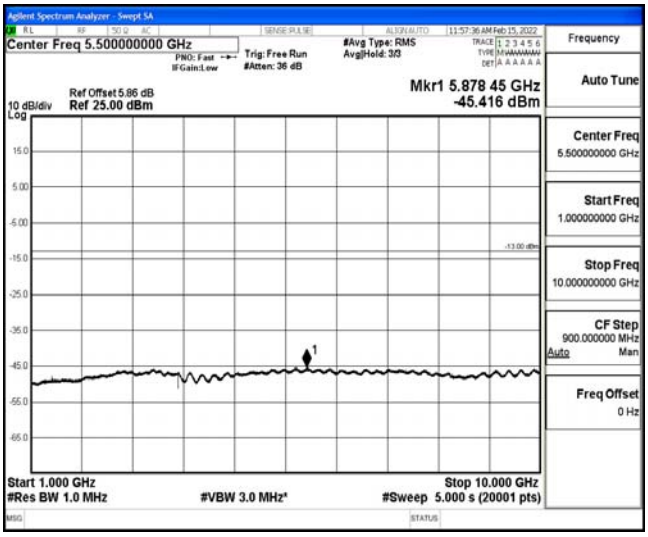
Band71-10MHz-16QAM-133422-1RB#0-Range2:0.15~30MHz



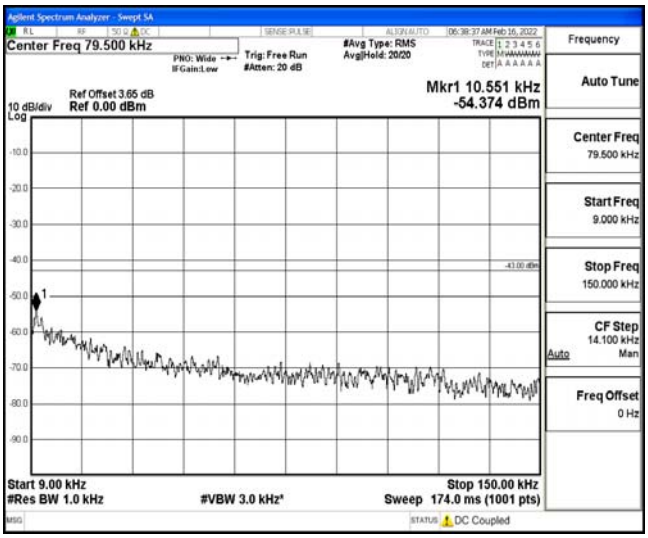
Band71-10MHz-16QAM-133422-1RB#0-Range3:30~1000MHz



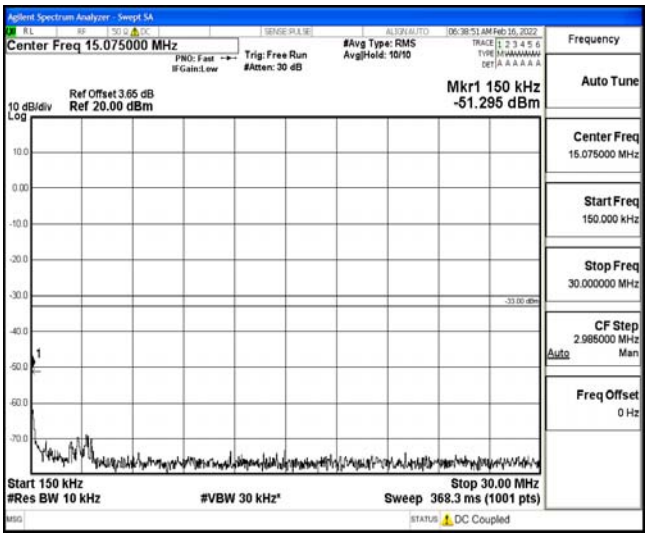
Band71-10MHz-16QAM-133422-1RB#0-Range4:1000~10000MHz



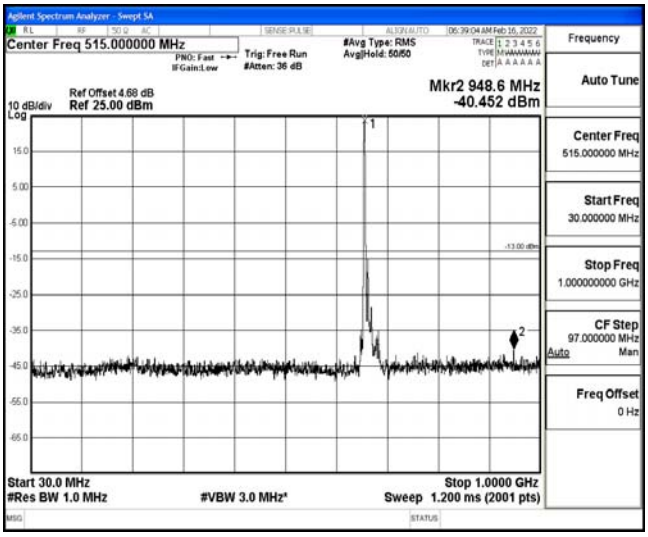
Band71-15MHz-QPSK-133197-1RB#0-Range1:0.009~0.15MHz



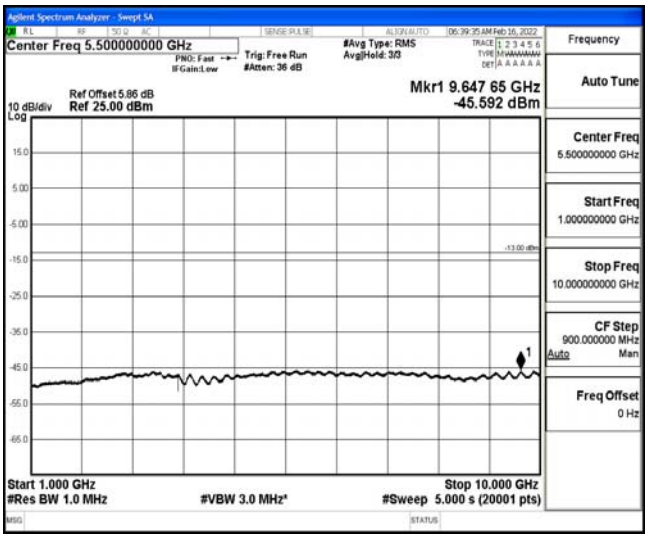
Band71-15MHz-QPSK-133197-1RB#0-Range2:0.15~30MHz



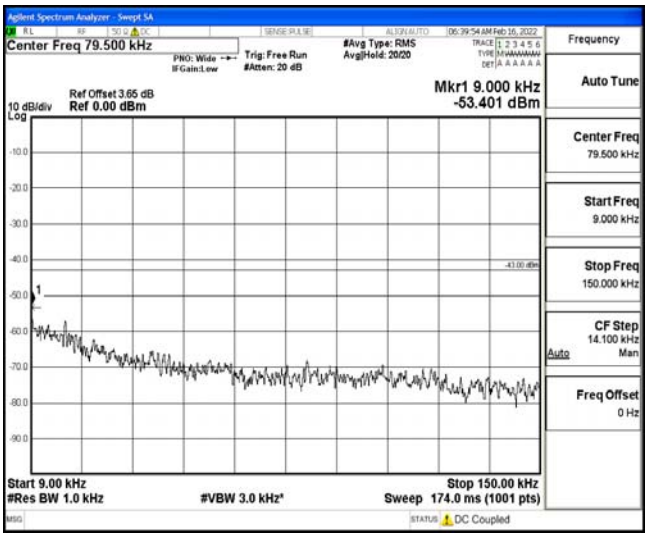
Band71-15MHz-QPSK-133197-1RB#0-Range3:30~1000MHz



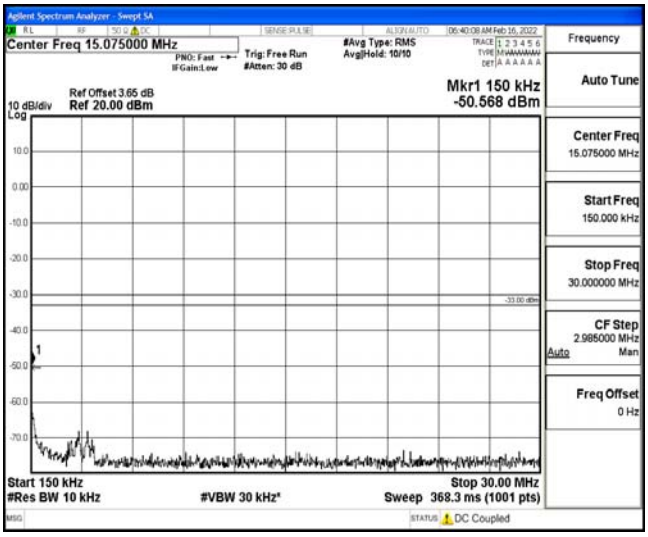
Band71-15MHz-QPSK-133197-1RB#0-Range4:1000~10000MHz



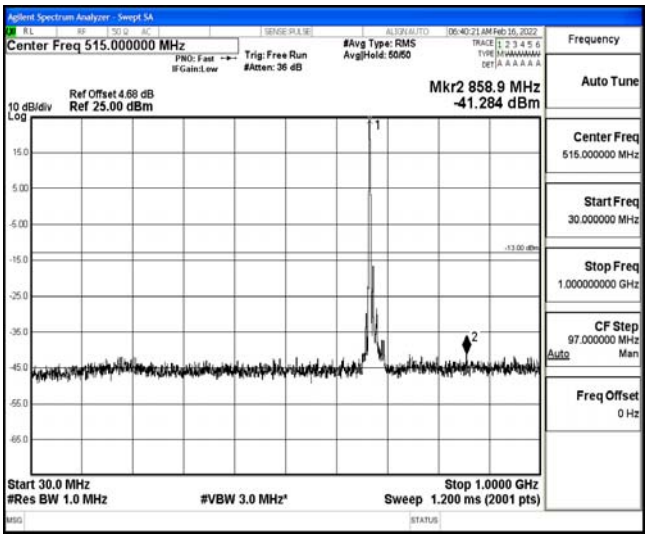
Band71-15MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



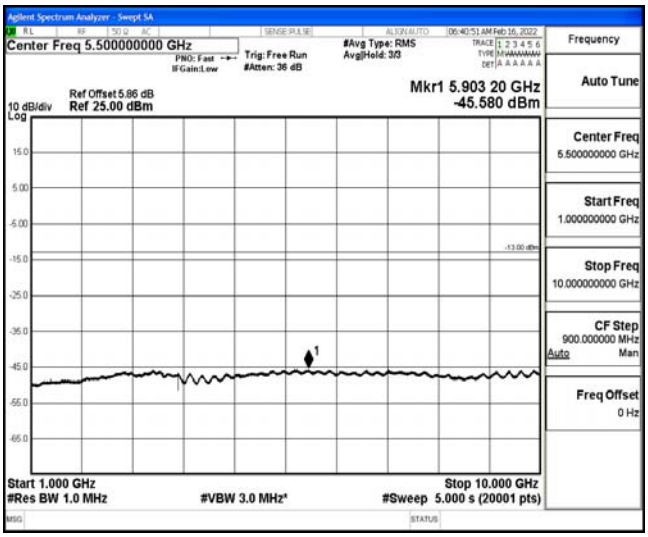
Band71-15MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



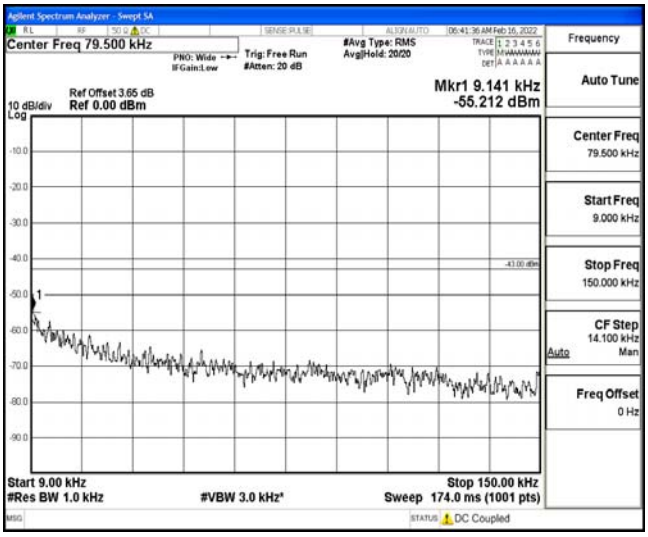
Band71-15MHz-QPSK-133297-1RB#0-Range3:30~1000MHz



Band71-15MHz-QPSK-133297-1RB#0-Range4:1000~10000MHz

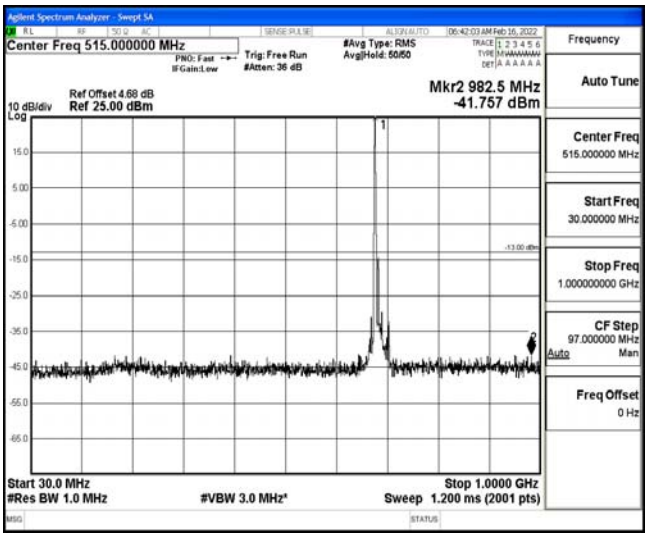


Band71-15MHz-QPSK-133397-1RB#0-Range1:0.009~0.15MHz

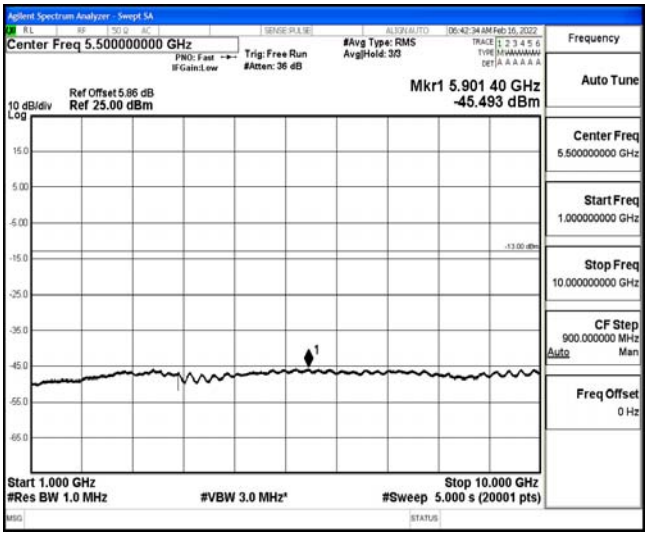


Band71-15MHz-QPSK-133397-1RB#0-Range2:0.15~30MHz

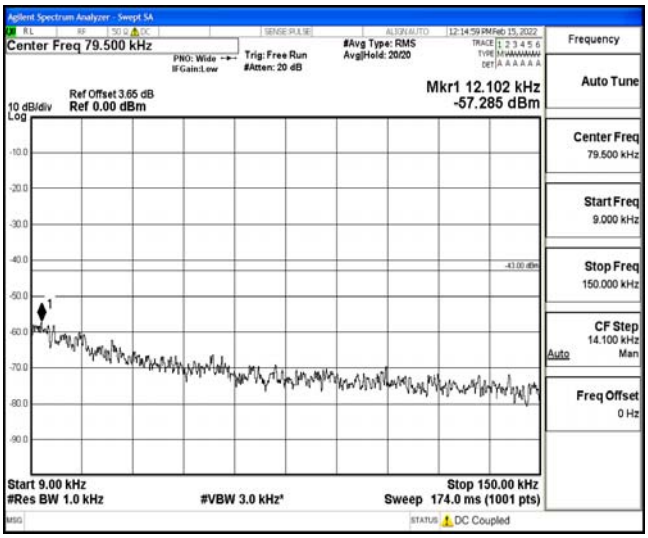
Band71-15MHz-QPSK-133397-1RB#0-Range3:30~1000MHz



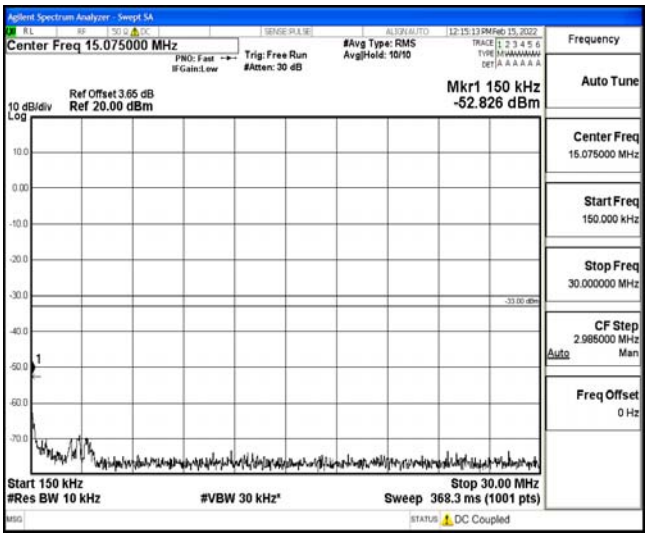
Band71-15MHz-QPSK-133397-1RB#0-Range4:1000~10000MHz



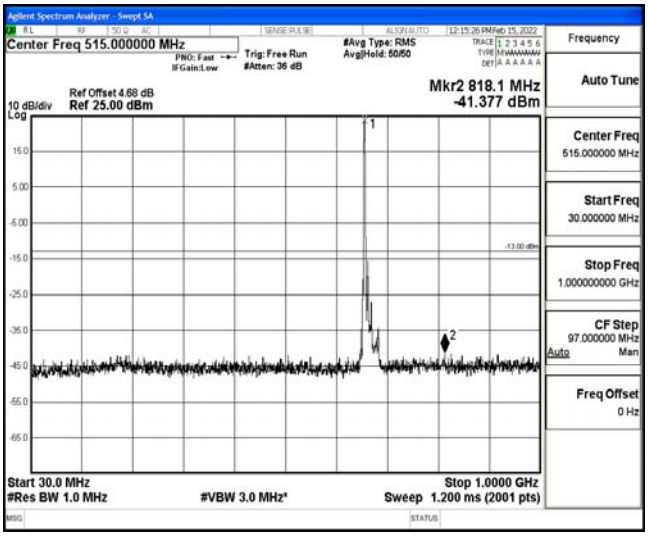
Band71-15MHz-16QAM-133197-1RB#0-Range1:0.009~0.15MHz



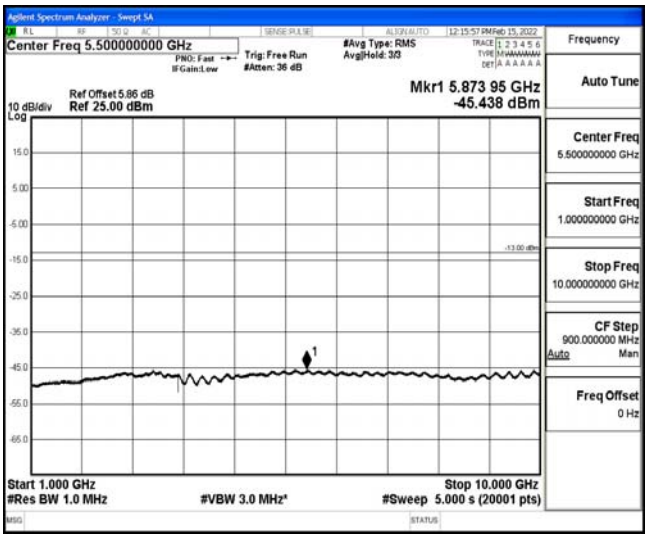
Band71-15MHz-16QAM-133197-1RB#0-Range2:0.15~30MHz



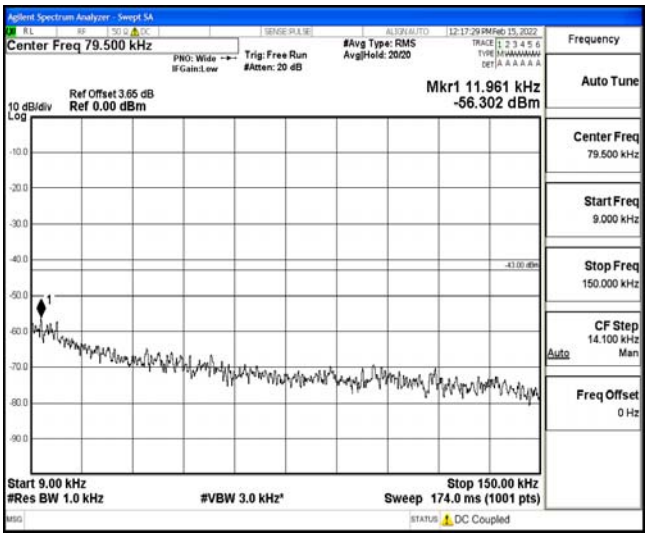
Band71-15MHz-16QAM-133197-1RB#0-Range3:30~1000MHz



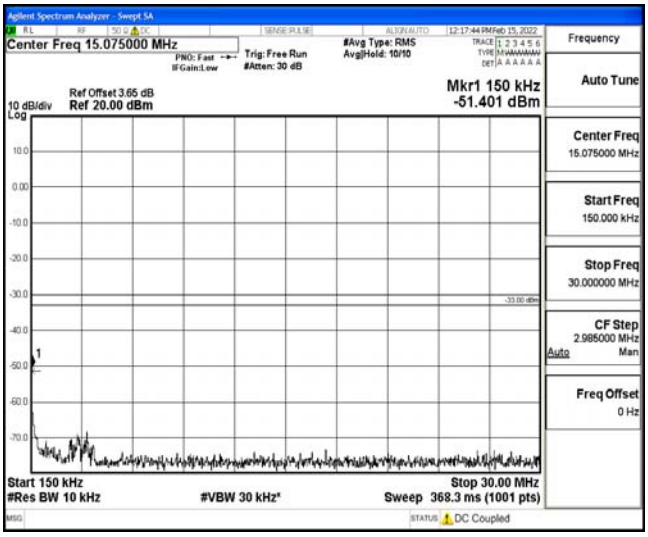
Band71-15MHz-16QAM-133197-1RB#0-Range4:1000~10000MHz



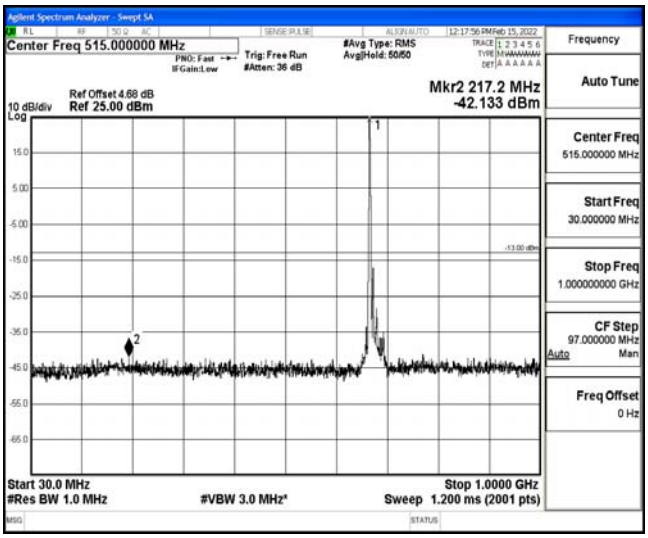
Band71-15MHz-16QAM-133297-1RB#0-Range1:0.009~0.15MHz



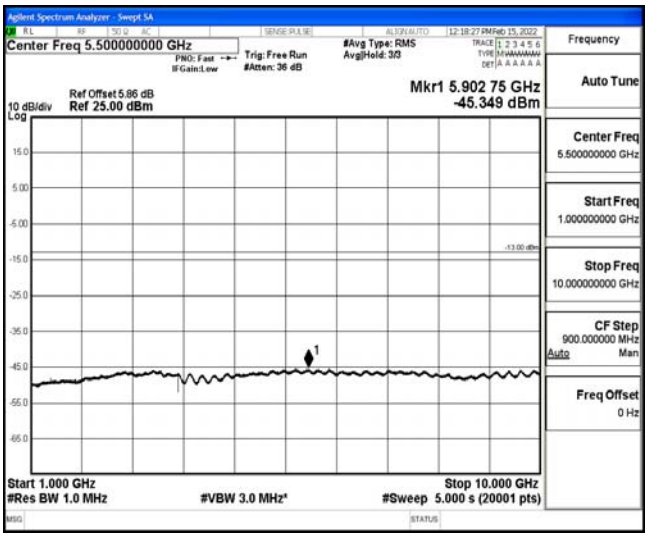
Band71-15MHz-16QAM-133297-1RB#0-Range2:0.15~30MHz



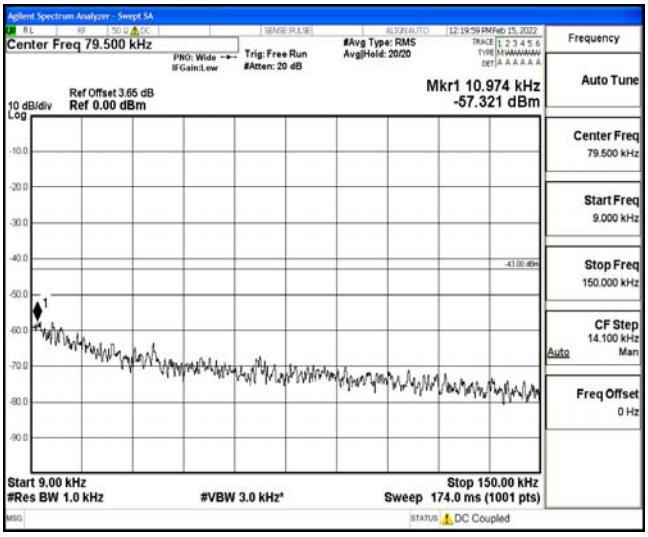
Band71-15MHz-16QAM-133297-1RB#0-Range3:30~1000MHz



Band71-15MHz-16QAM-133297-1RB#0-Range4:1000~10000MHz



Band71-15MHz-16QAM-133397-1RB#0-Range1:0.009~0.15MHz



Band71-15MHz-16QAM-133397-1RB#0-Range2:0.15~30MHz

Band71-15MHz-16QAM-133397-1RB#0-Range3:30~1000MHz