

Appendix G: Test Data for E-UTRA Band 4

Product Name: mobile phone

Trade Mark: Purism

Test Model: Librem 5

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	LI HUAN

G.1 Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.26	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.12	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.13	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.41	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.19	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.21	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.27	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.95	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.71	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.78	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.92	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.68	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.69	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.88	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.29	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.17	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.46	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.26	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.14	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.23	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.23	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.18	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.03	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.22	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.28	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.11	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.83	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.88	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.92	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.11	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.61	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.72	PASS

Band4	1.4MHz	16QAM	20175	3RB#0	21.70	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.98	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.52	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.57	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.13	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.01	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.23	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.35	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.90	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.01	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.21	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.22	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.22	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.29	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.80	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.62	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.79	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.87	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.90	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.90	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.93	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.42	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.24	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.36	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.40	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.31	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.37	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.25	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.16	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.02	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.38	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.33	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.91	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.33	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.38	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.88	PASS

Band4	3MHz	16QAM	20175	1RB#14	21.95	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.15	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.99	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.90	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.08	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.87	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.12	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.82	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.12	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.27	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.44	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.37	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.23	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.21	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.36	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.38	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.30	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.32	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.19	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.25	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.84	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.84	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.83	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.86	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.94	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.86	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.86	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.25	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.44	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.38	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.49	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.49	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.52	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.43	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.35	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.13	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.23	PASS

Band4	5MHz	16QAM	19975	12RB#0	21.32	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.20	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.28	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.96	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.94	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.93	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.65	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.70	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.85	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.94	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.10	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.89	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.22	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.39	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.38	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.49	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.49	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.26	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.22	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.86	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.23	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.25	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.13	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.15	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.88	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.92	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.90	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.84	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.86	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.90	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.95	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.70	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.39	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.65	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.42	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.50	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.41	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.38	PASS

Band4	10MHz	16QAM	20000	1RB#24	22.37	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.48	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.53	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.14	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.27	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.16	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.17	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.72	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.77	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.98	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.92	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.90	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.01	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.80	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.96	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.86	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.69	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.39	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.52	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.52	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.70	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.14	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.94	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.74	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.06	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.19	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.04	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.68	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.58	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.69	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.81	PASS
Band4	15MHz	QPSK	20175	38RB#37	20.89	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.68	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.85	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.26	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.47	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.42	PASS

Band4	15MHz	QPSK	20325	38RB#18	23.20	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.40	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.69	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.31	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.21	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.78	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.93	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.25	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.74	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.87	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.14	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.78	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.09	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.71	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.80	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.80	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.58	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.82	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.80	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.54	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.37	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.31	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.72	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.65	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.40	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.65	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.95	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.30	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.20	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.15	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.88	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.21	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.96	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.04	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.83	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.90	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.08	PASS

Band4	20MHz	QPSK	20175	100RB#0	21.93	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.98	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.58	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.57	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.16	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.13	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.33	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.78	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.37	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.09	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.05	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.27	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.15	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.27	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.14	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.18	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.37	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.88	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.05	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.86	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.94	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.51	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.92	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.84	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.20	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.11	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.50	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.36	PASS

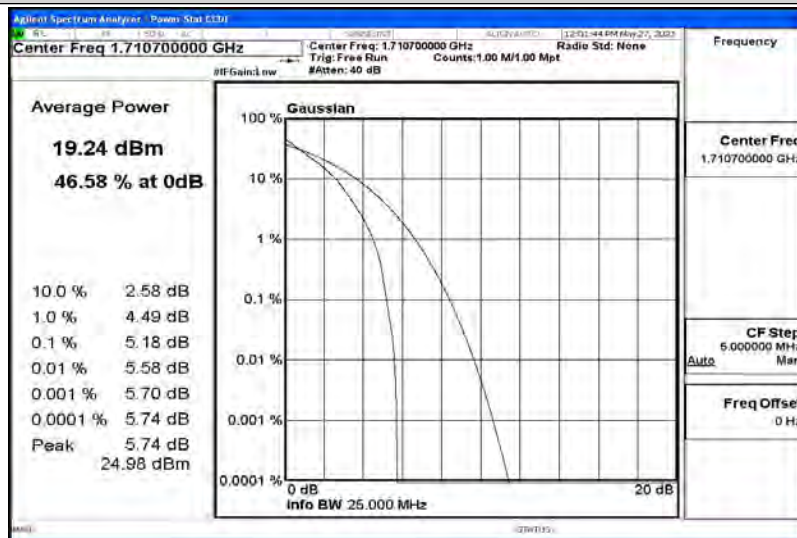
G.2 Peak-to-Average Ratio (CCDF)

Test Result

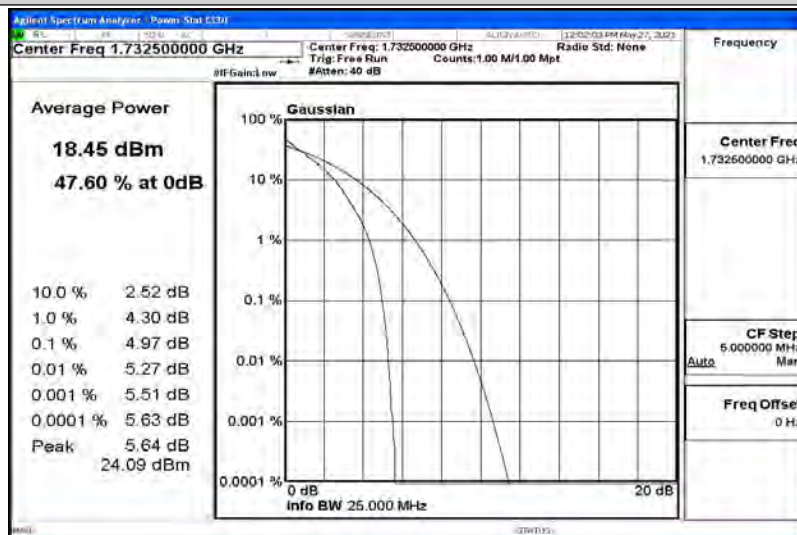
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.18	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.97	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.21	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.00	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.74	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.04	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.27	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.81	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	6.04	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.04	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.83	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.05	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.26	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.01	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.26	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.03	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.82	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.02	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.23	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.97	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.20	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.04	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.79	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.01	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.42	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.80	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.00	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.13	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.81	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.01	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.32	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.77	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.95	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.09	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.78	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.97	13	PASS

Test Graphs

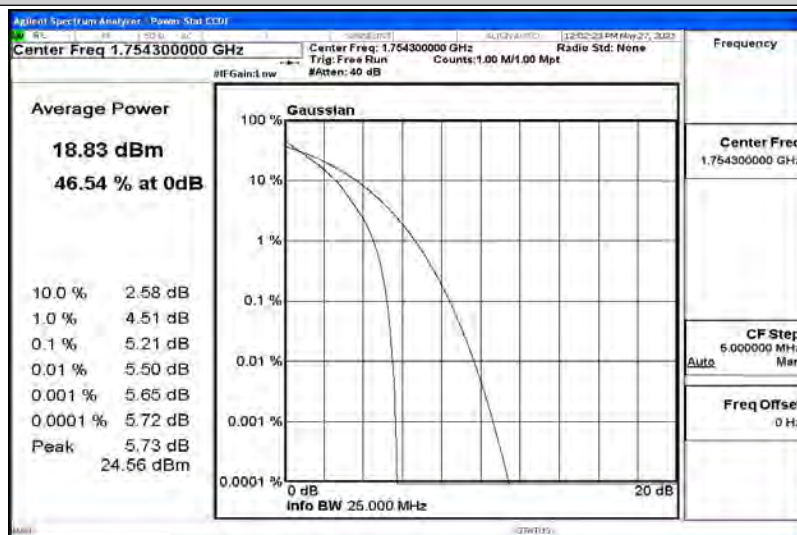
Band4-1.4MHz-QPSK-19957-6RB#0



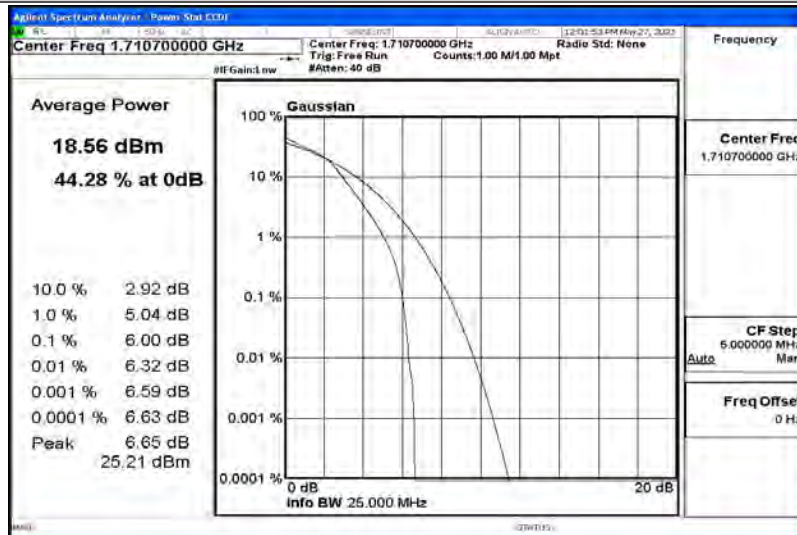
Band4-1.4MHz-QPSK-20175-6RB#0



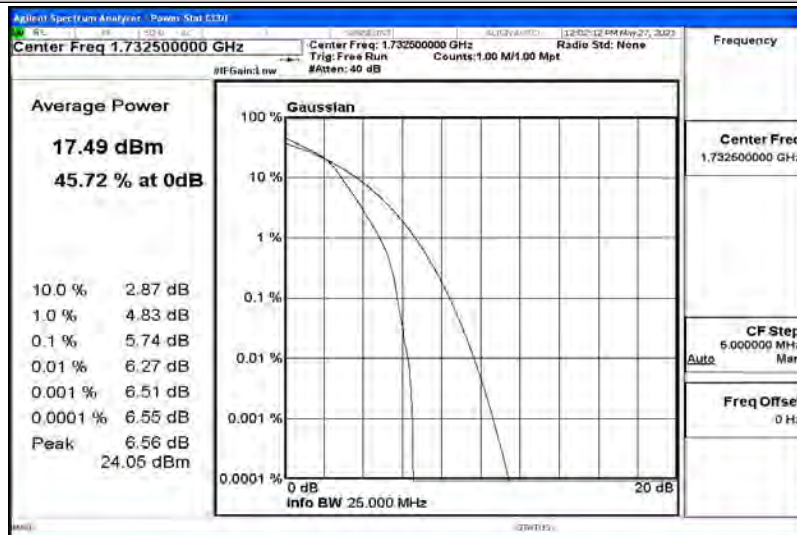
Band4-1.4MHz-QPSK-20393-6RB#0



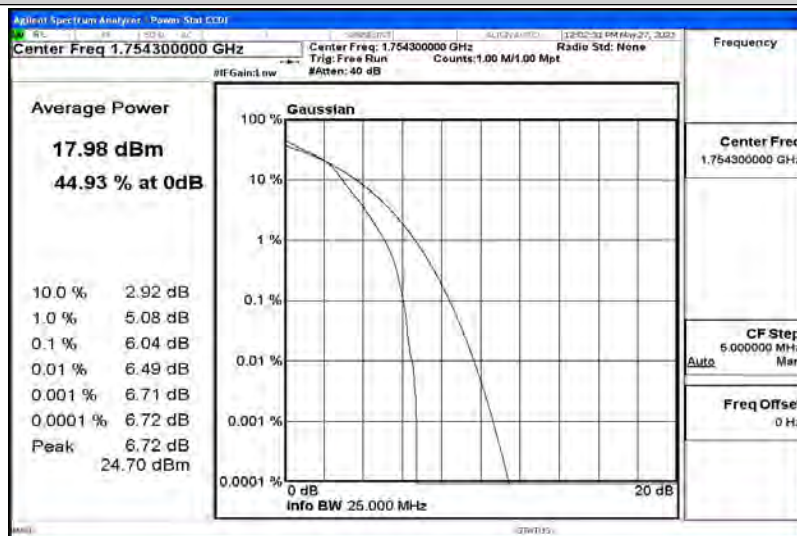
Band4-1.4MHz-16QAM-19957-6RB#0



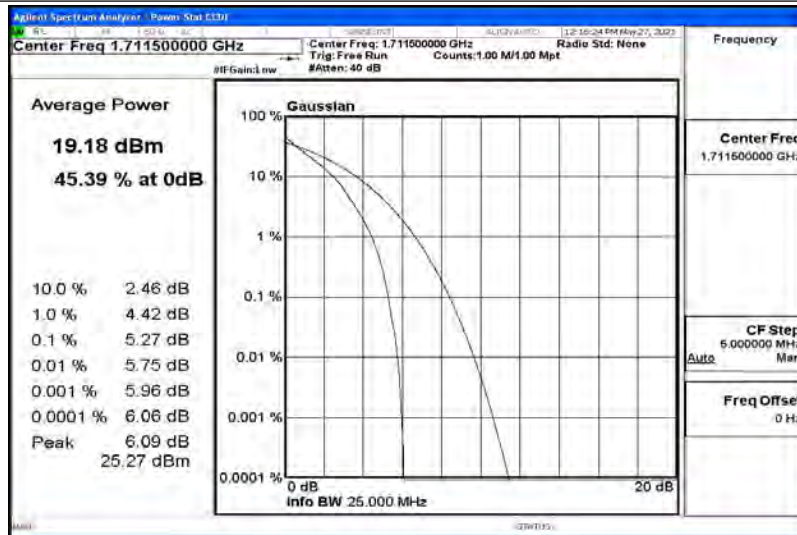
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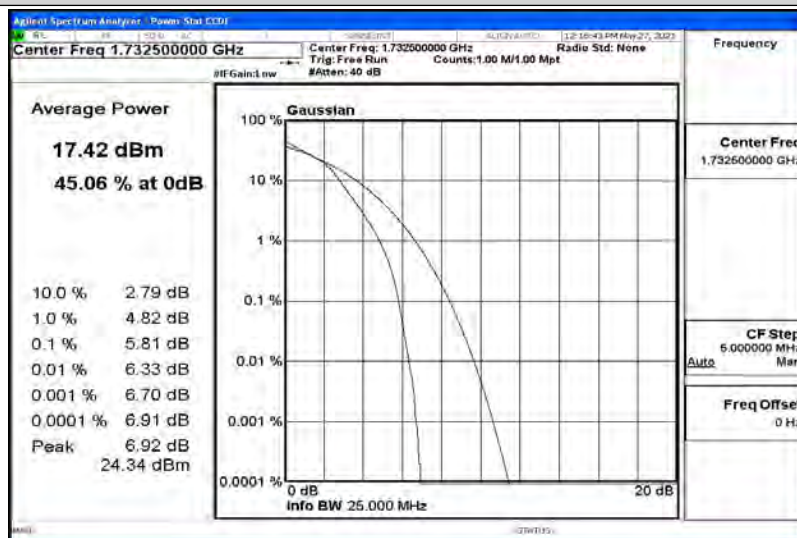
Band4-1.4MHz-16QAM-20393-6RB#0



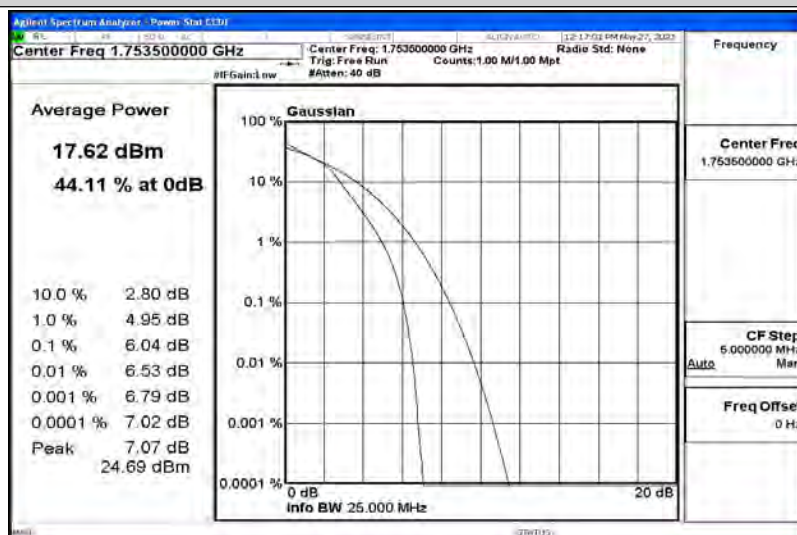
Band4-3MHz-QPSK-19965-15RB#0



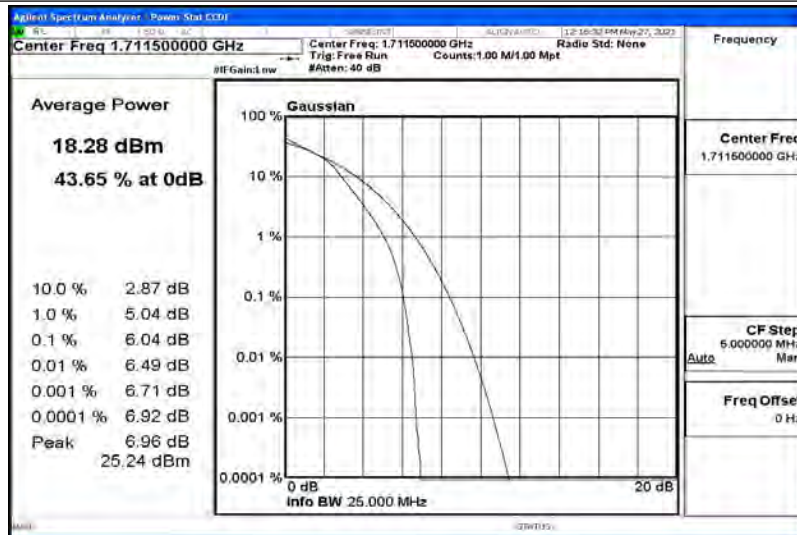
Band4-3MHz-QPSK-20175-15RB#0



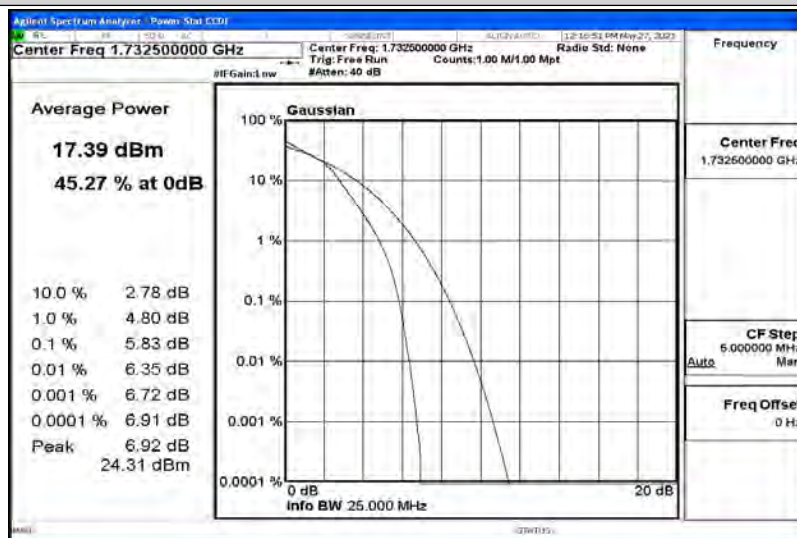
Band4-3MHz-QPSK-20385-15RB#0



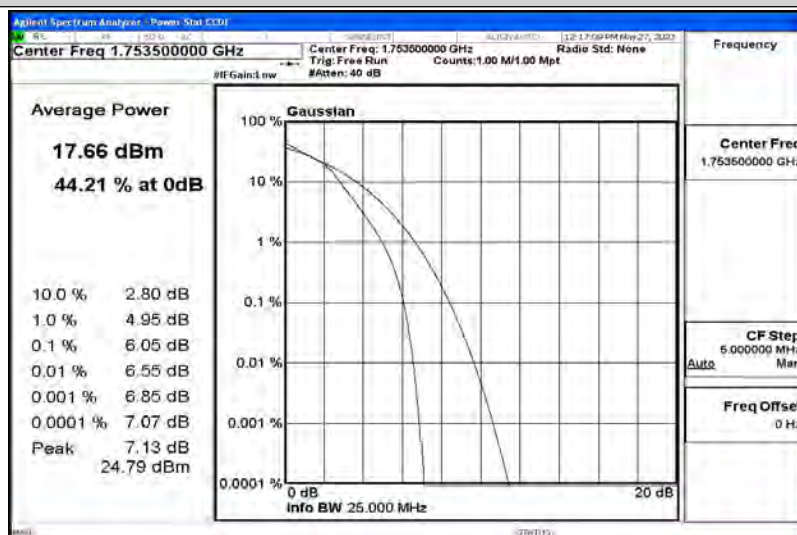
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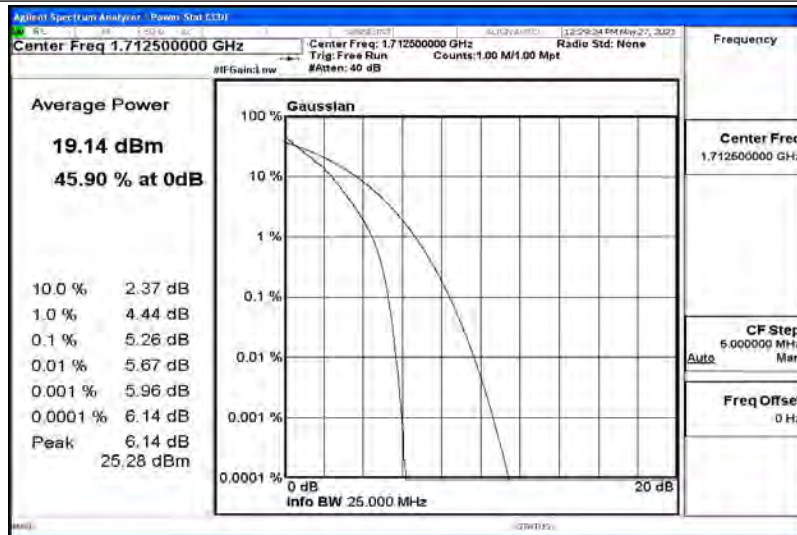
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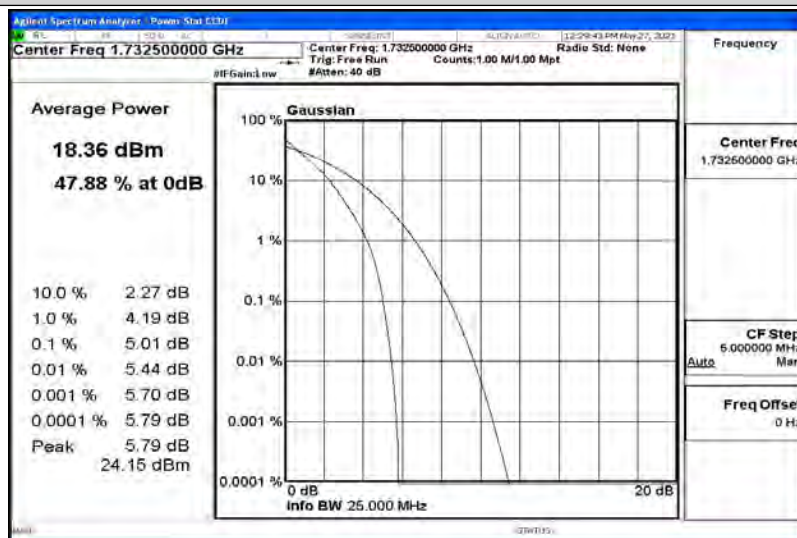
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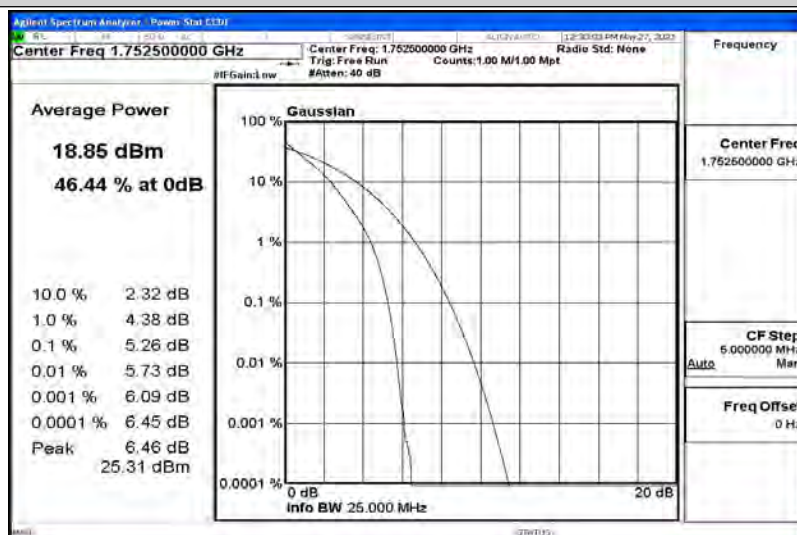
Band4-5MHz-QPSK-19975-25RB#0



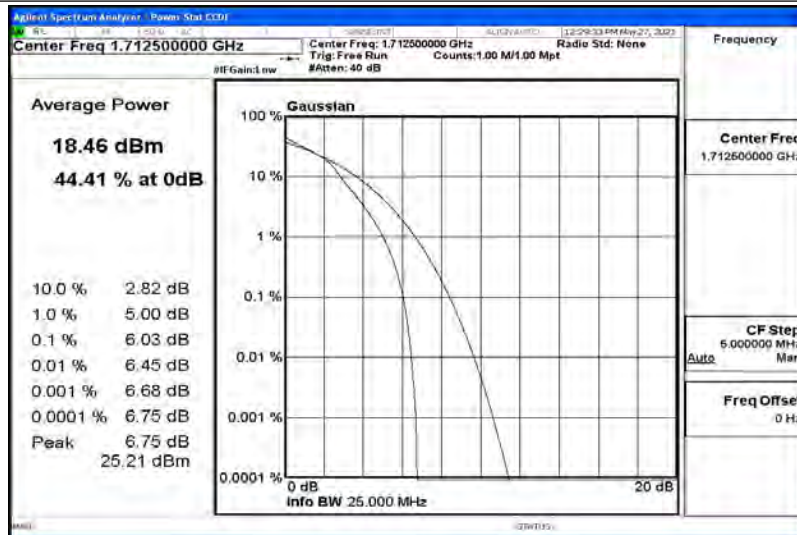
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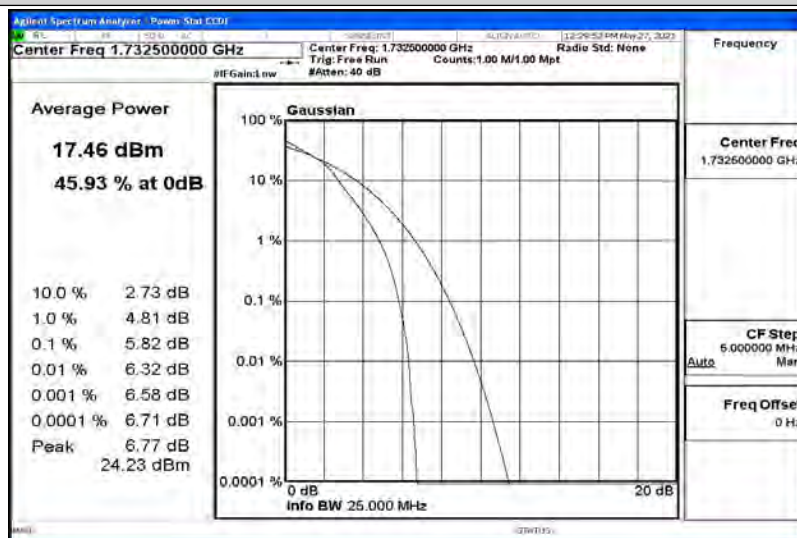
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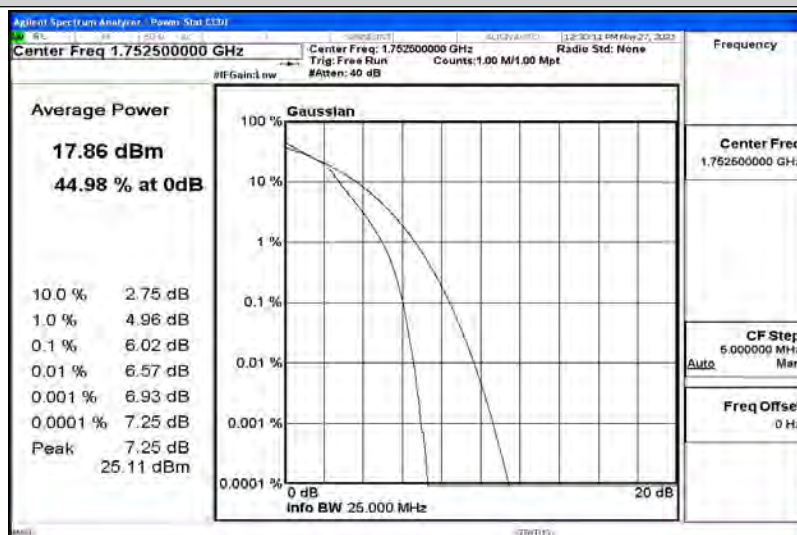
Band4-5MHz-16QAM-19975-25RB#0



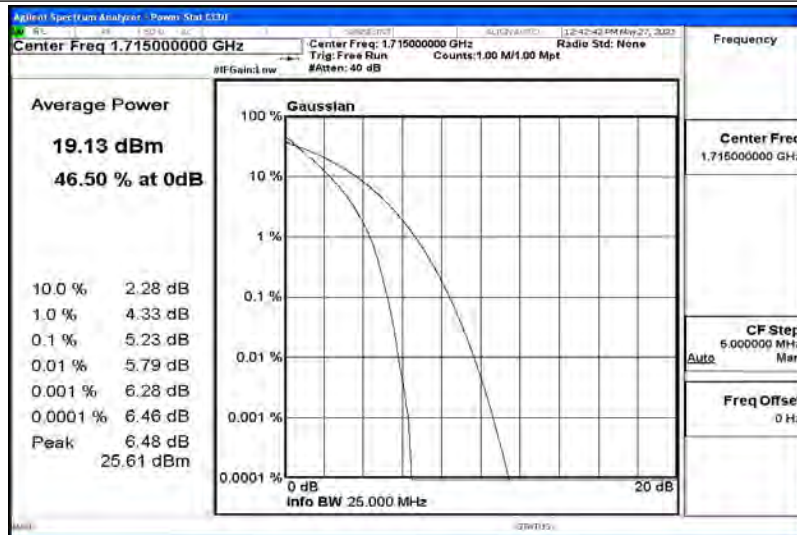
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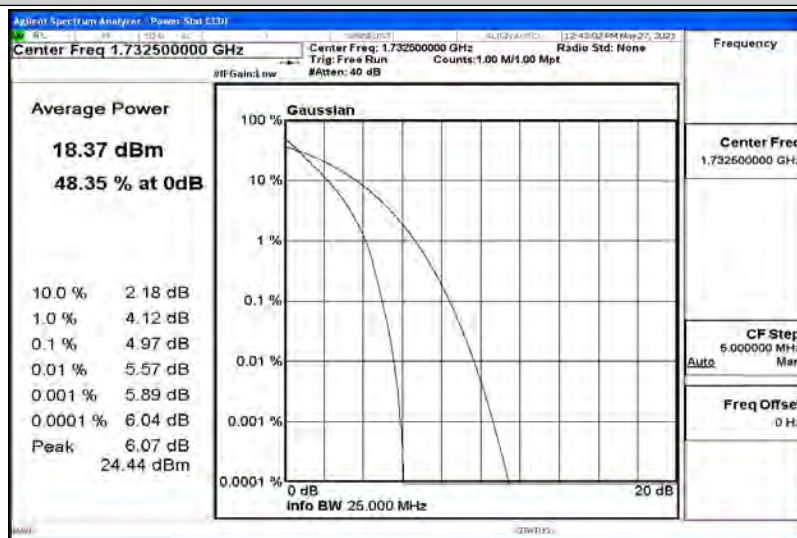
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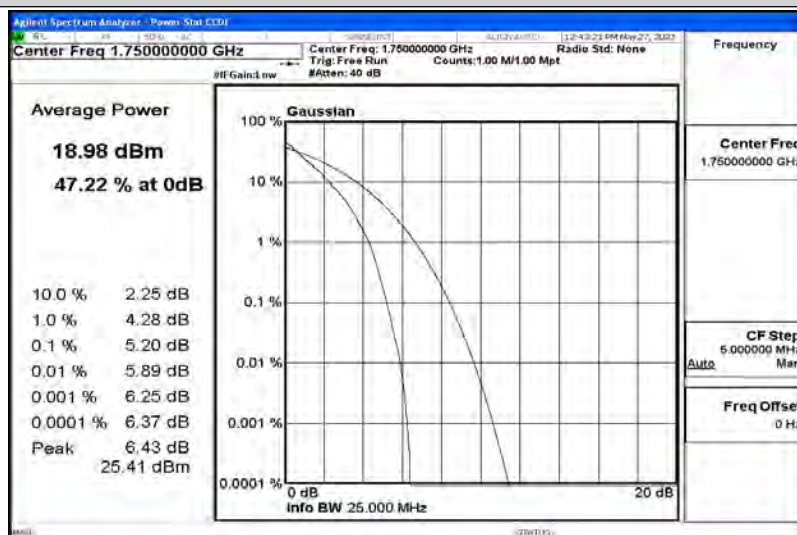
Band4-10MHz-QPSK-20000-50RB#0



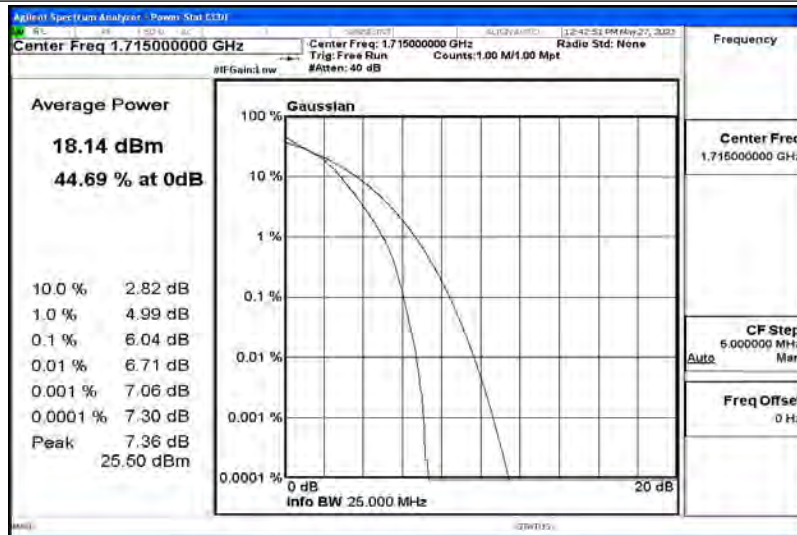
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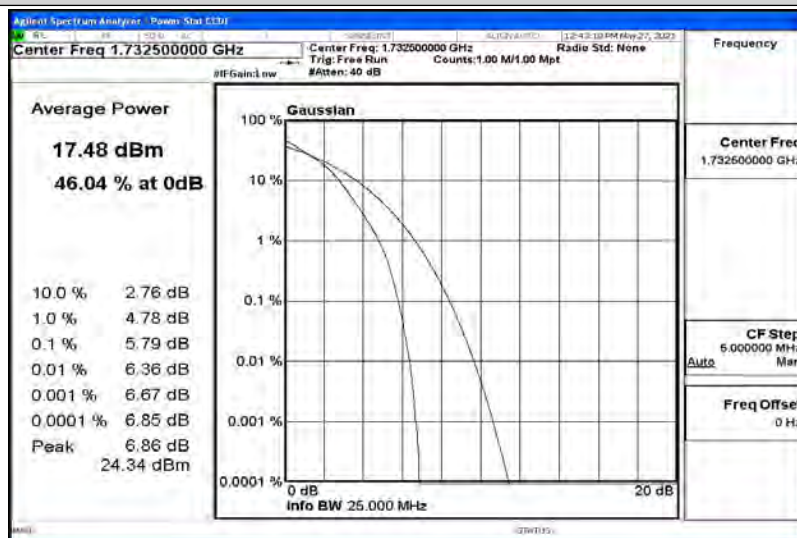
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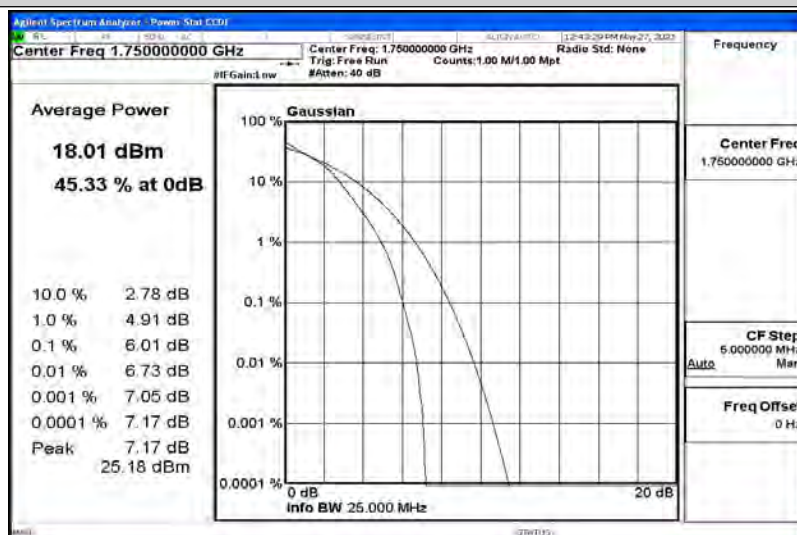
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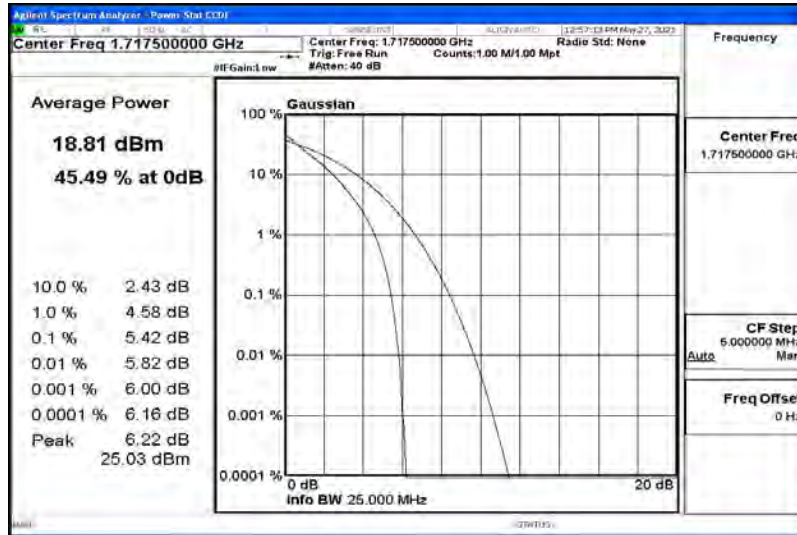
Band4-10MHz-16QAM-20175-50RB#0



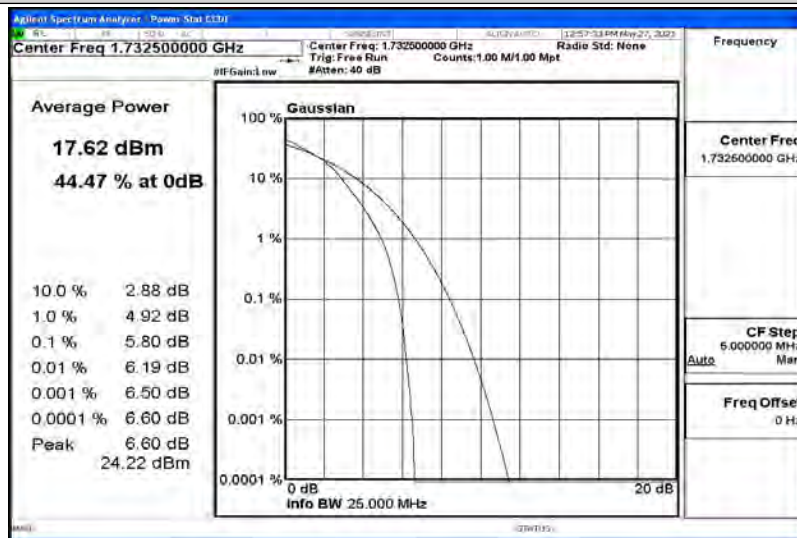
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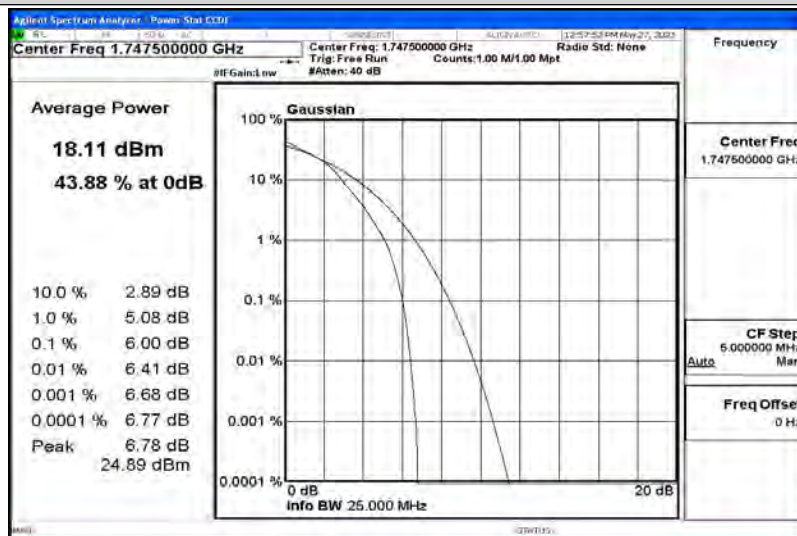
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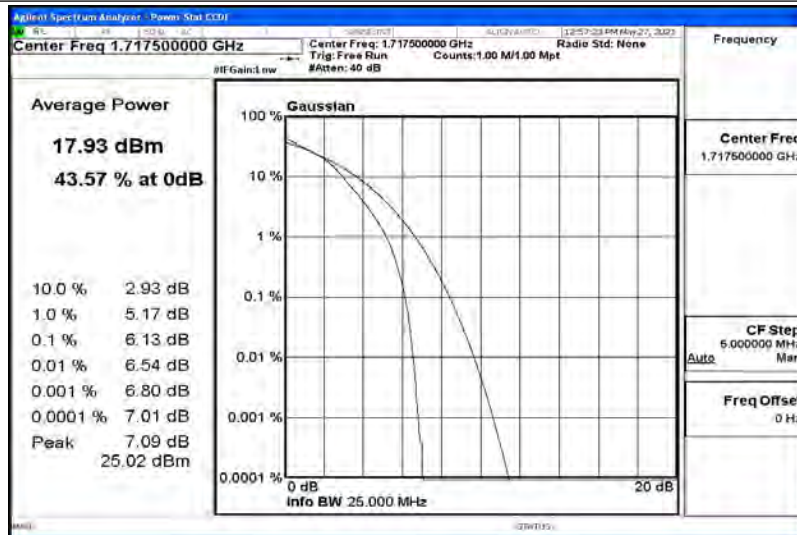
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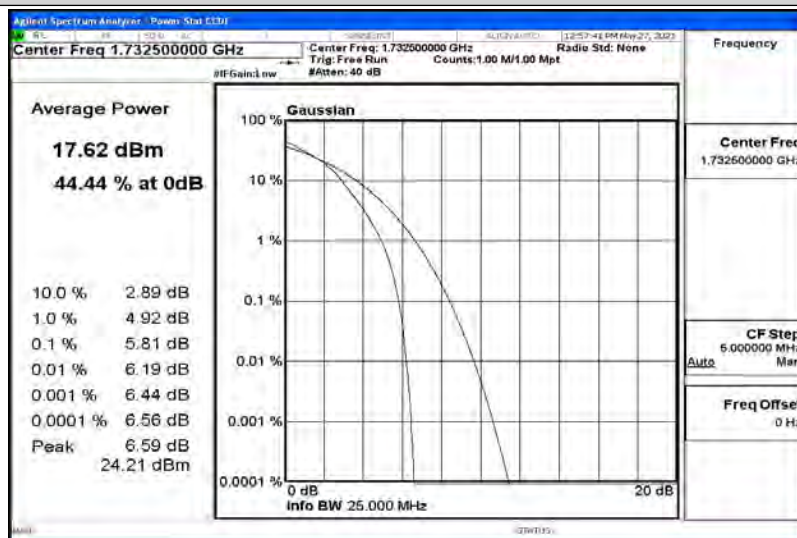
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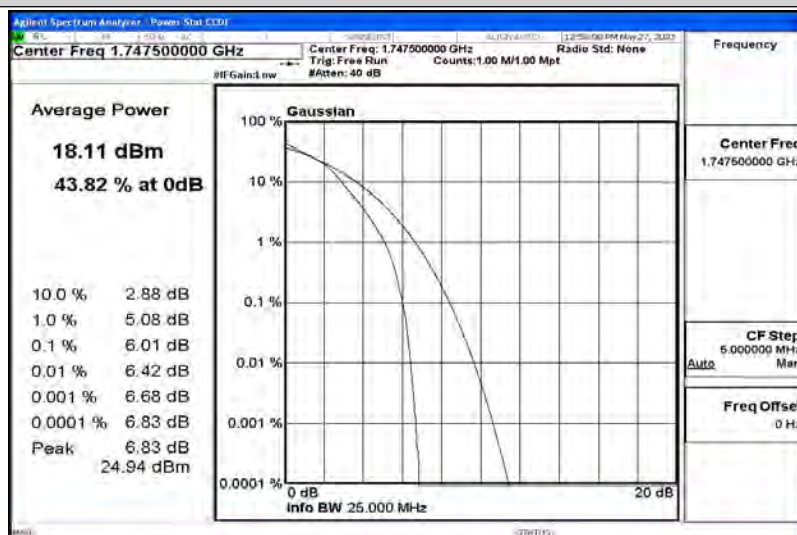
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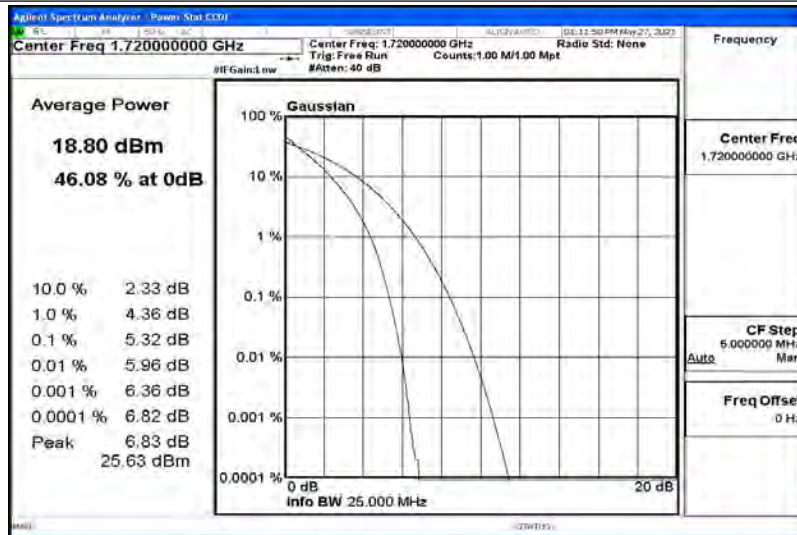
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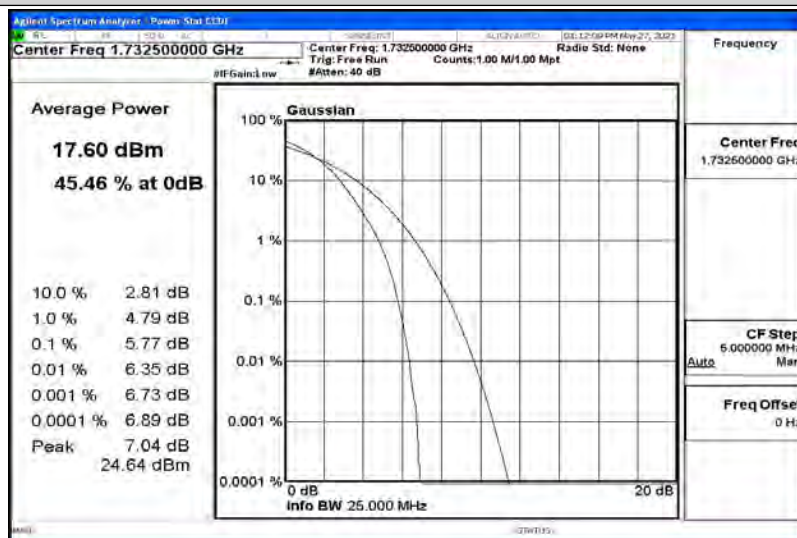
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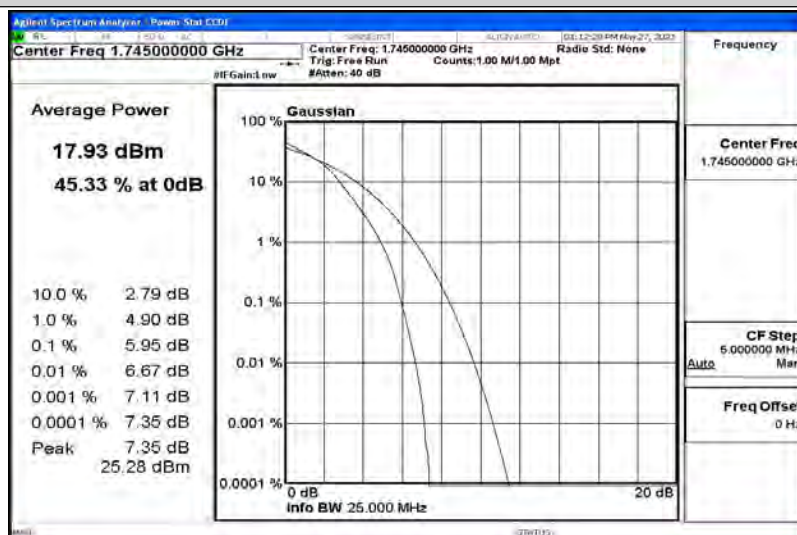
Band4-20MHz-QPSK-20050-100RB#0



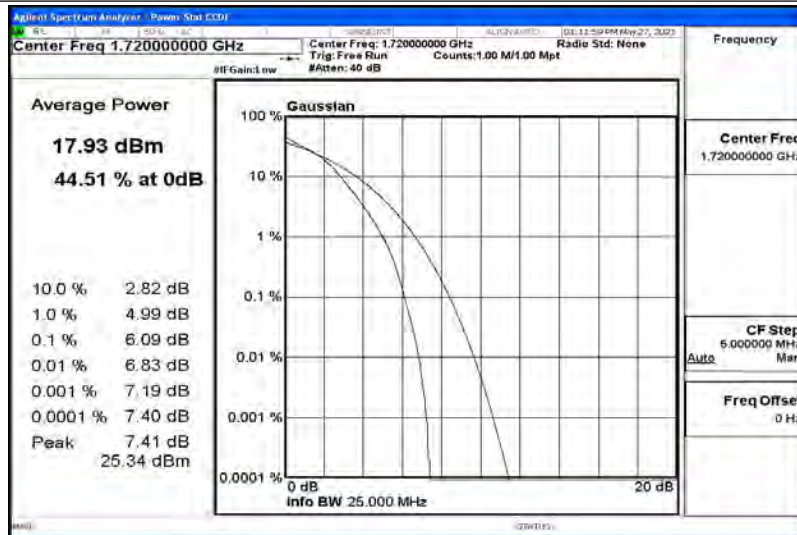
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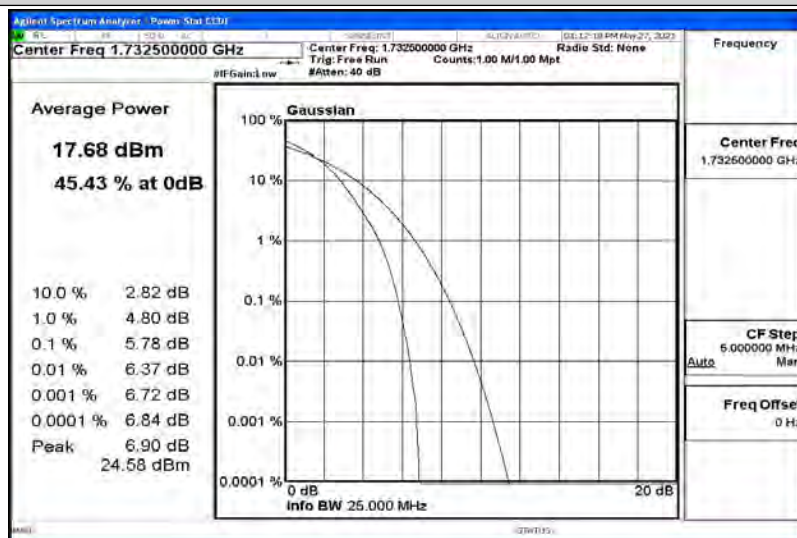
Band4-20MHz-QPSK-20300-100RB#0



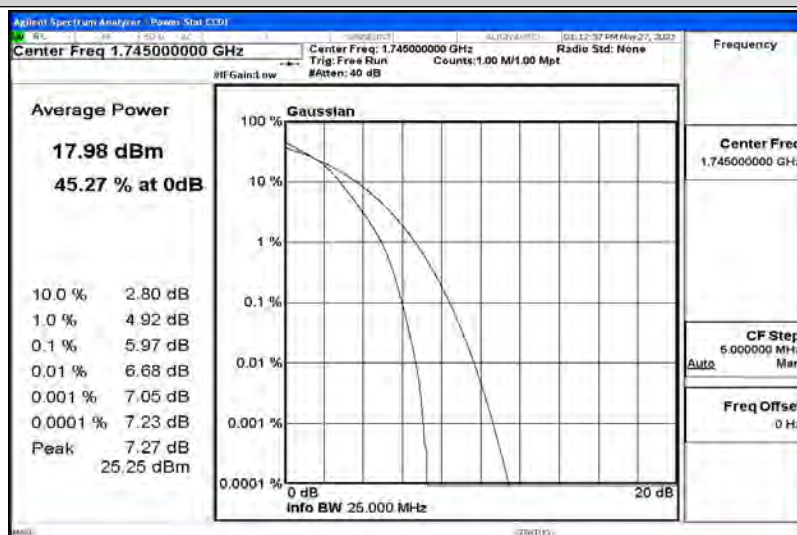
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0954	1.261	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0914	1.271	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0913	1.250	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0908	1.259	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0920	1.252	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0903	1.276	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6957	2.903	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6915	2.893	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6916	2.923	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6936	2.937	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6881	2.927	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6926	2.929	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5016	4.909	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4970	4.885	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5071	4.857	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5005	4.843	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5016	4.906	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5114	4.894	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9578	9.527	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9347	9.515	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9649	9.548	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9558	9.513	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9369	9.513	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9489	9.524	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.439	14.31	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.371	14.20	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.423	14.24	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.423	14.26	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.381	14.22	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.429	14.26	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.926	18.97	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.820	18.90	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.917	18.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.931	18.99	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.829	18.91	PASS

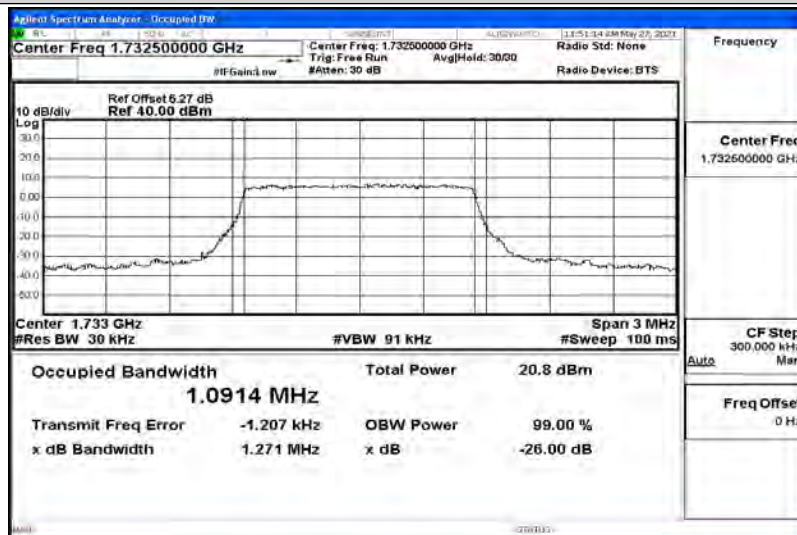
Band4	20MHz	16QAM	20300	100RB#0	17.908	18.97	PASS
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Test Graphs

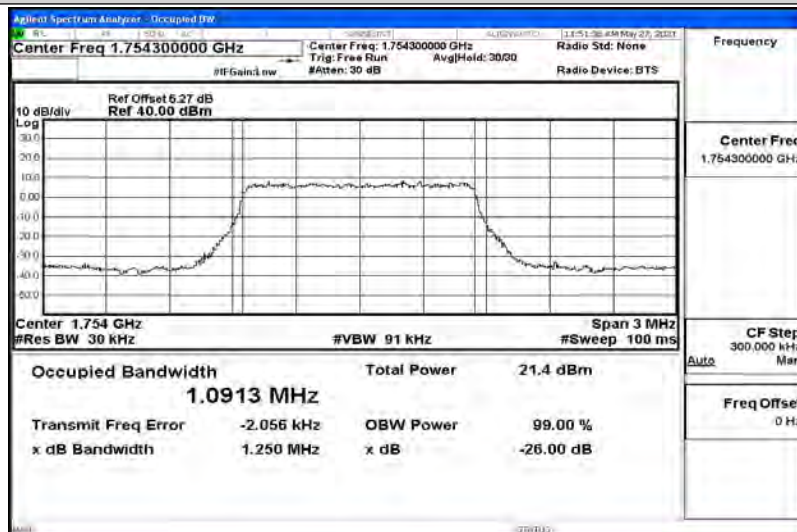
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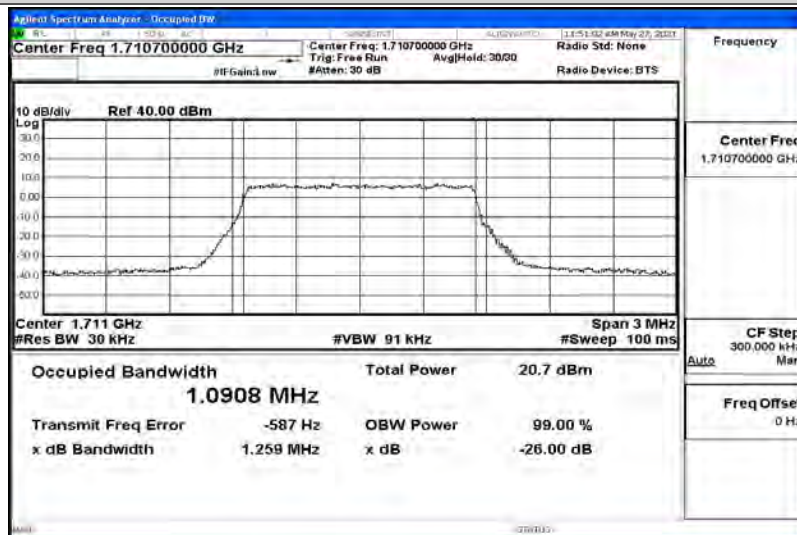
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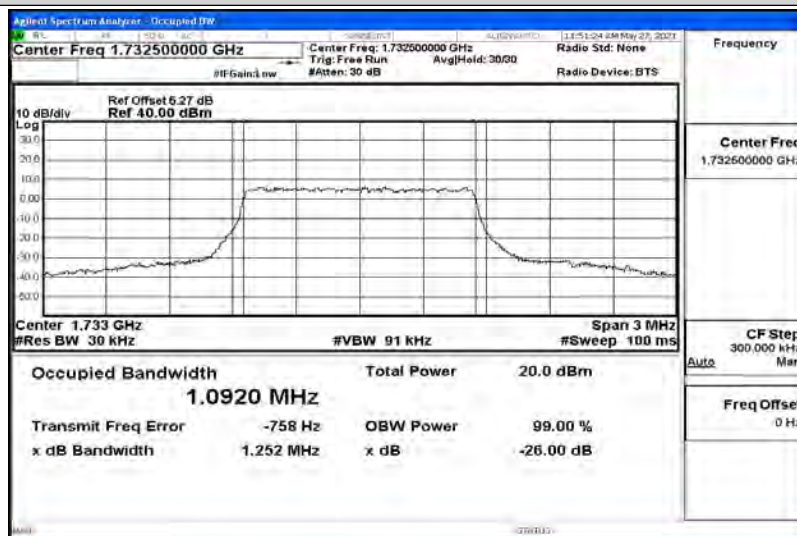
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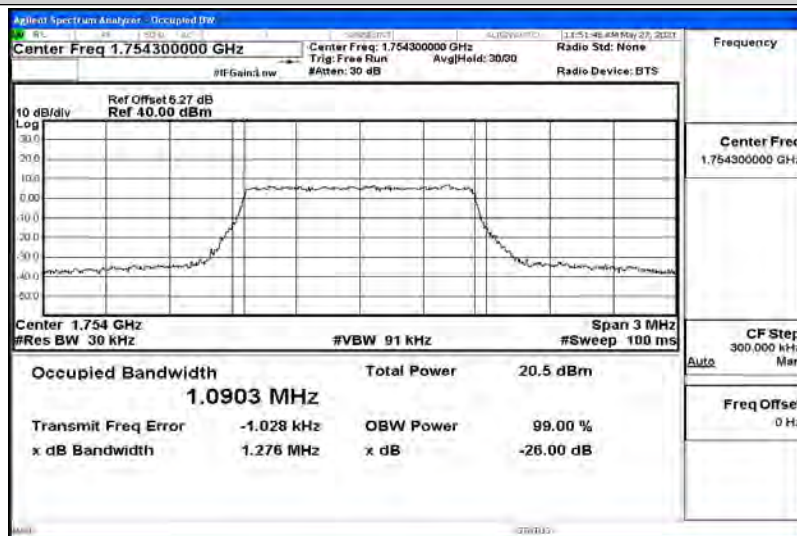
Band4-1.4MHz-16QAM-19957-6RB#0-1.0908



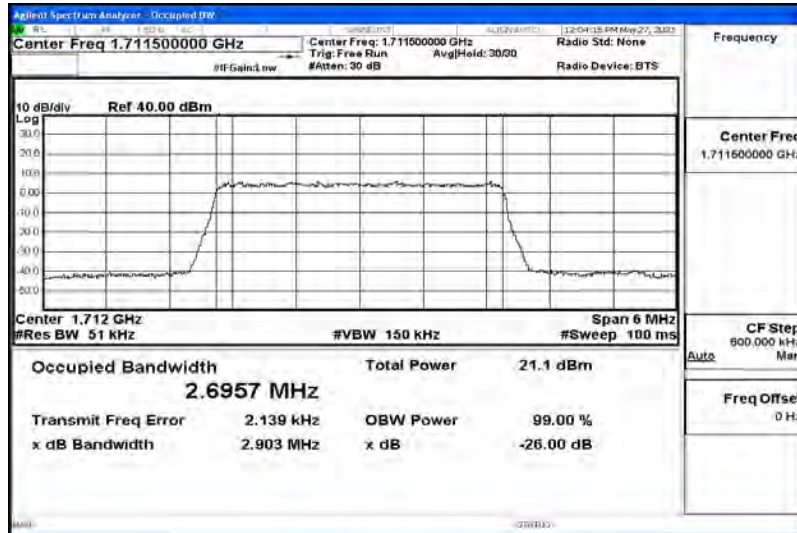
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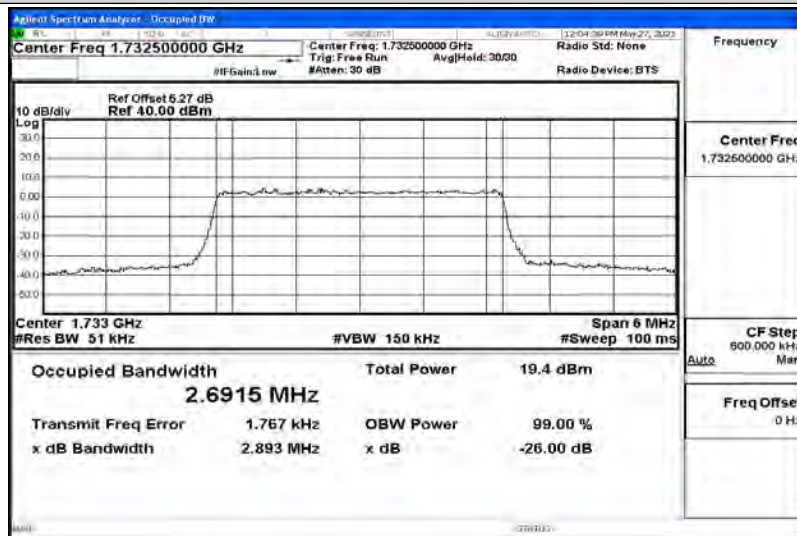
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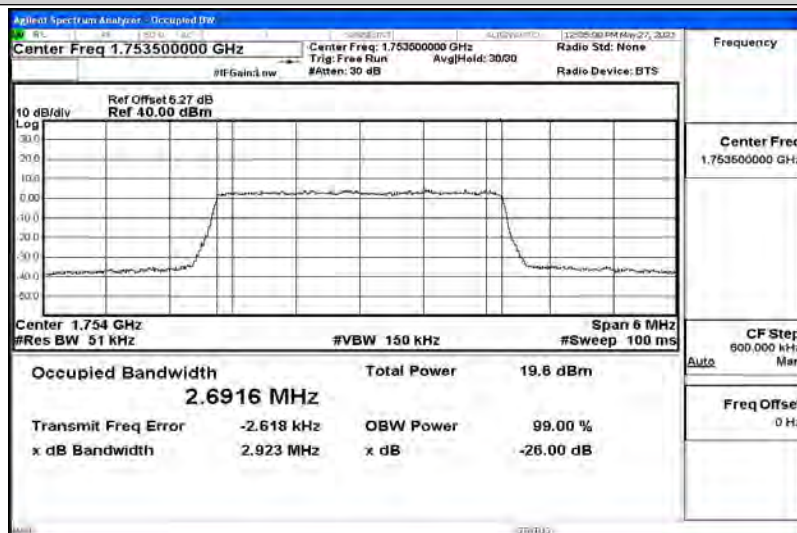
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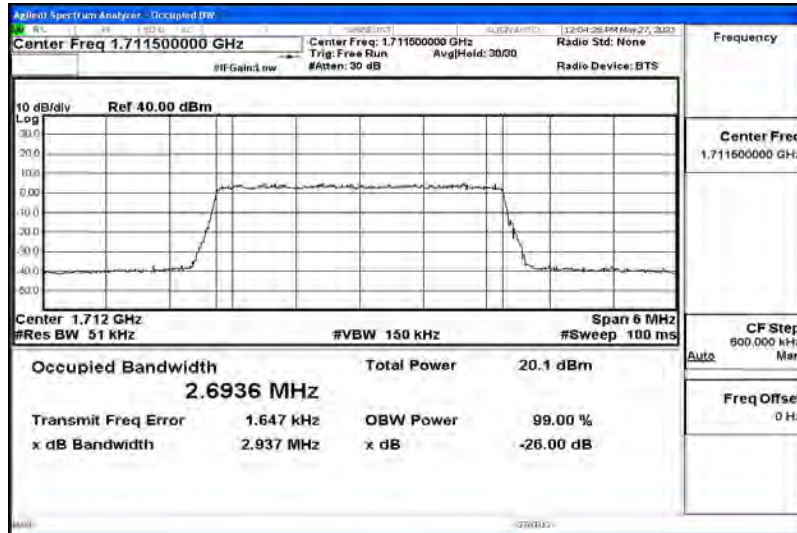
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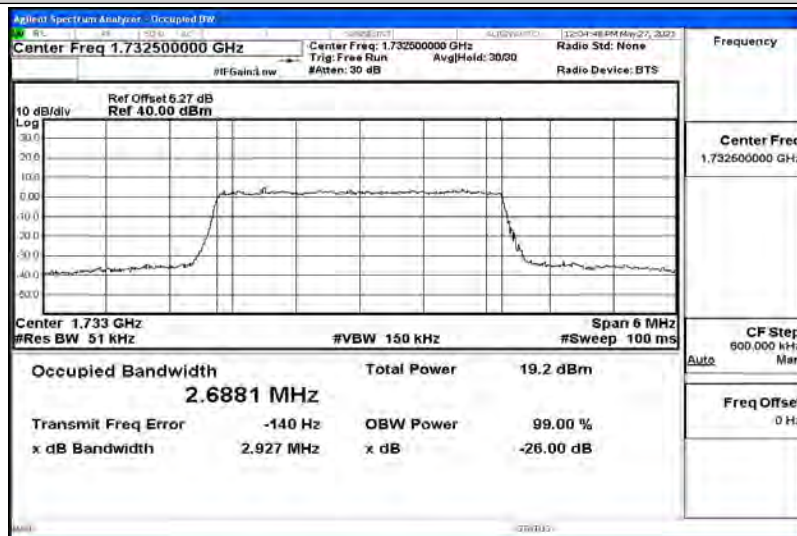
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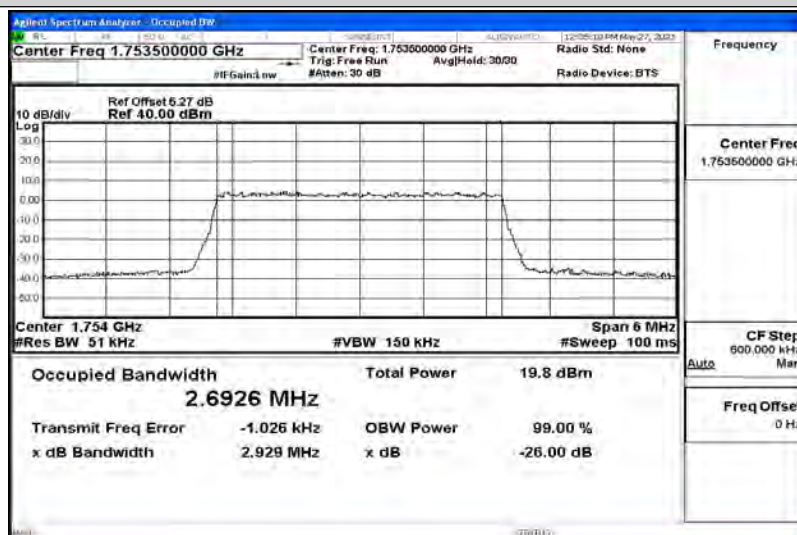
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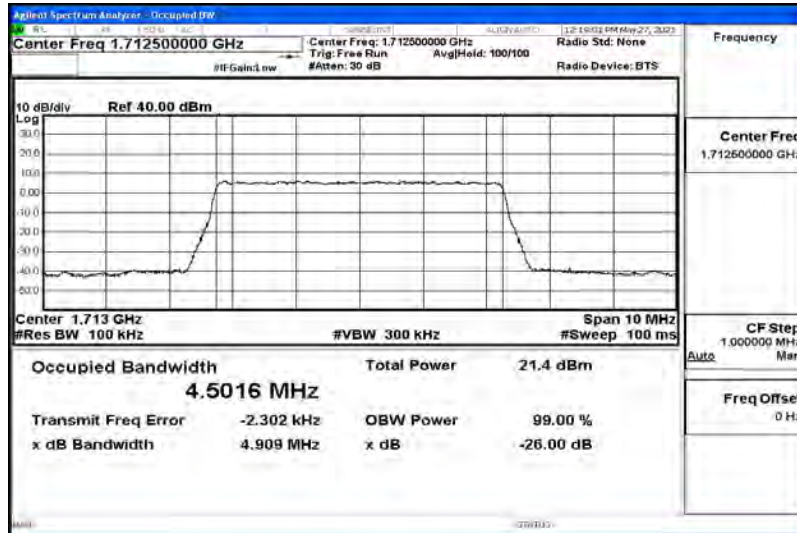
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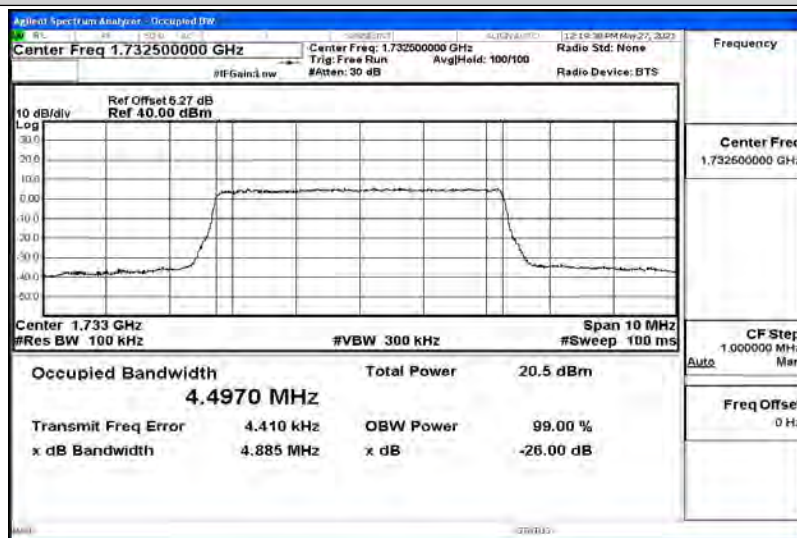
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Band4-5MHz-QPSK-19975-25RB#0-4.5016



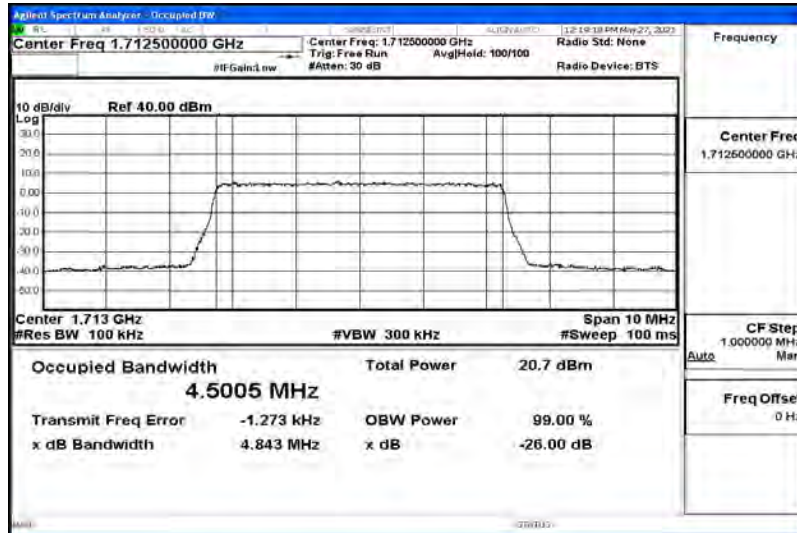
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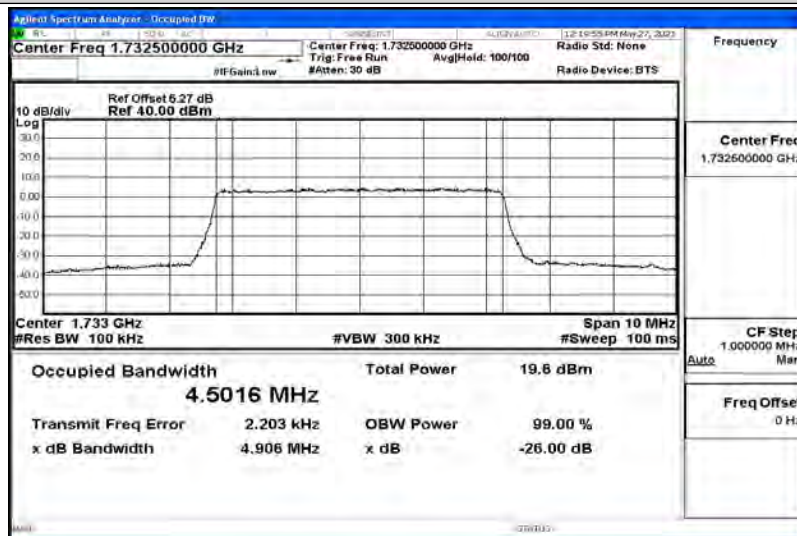
Band4-5MHz-QPSK-20375-25RB#0-4.5071



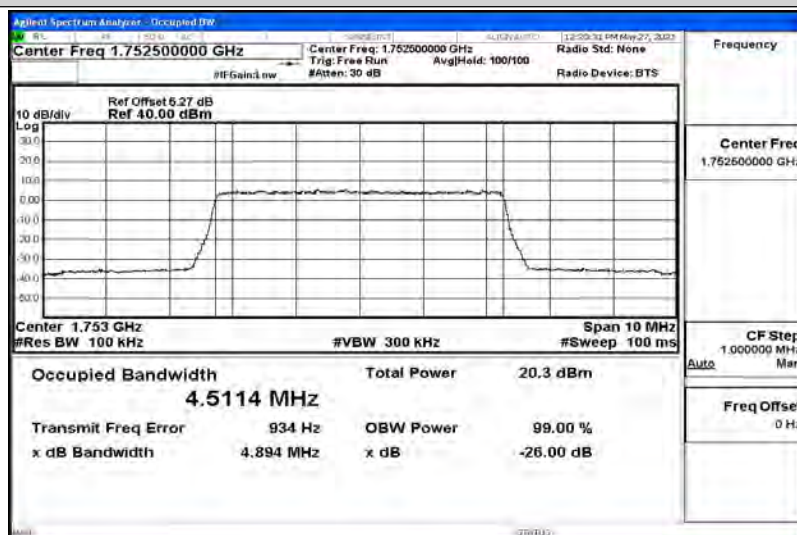
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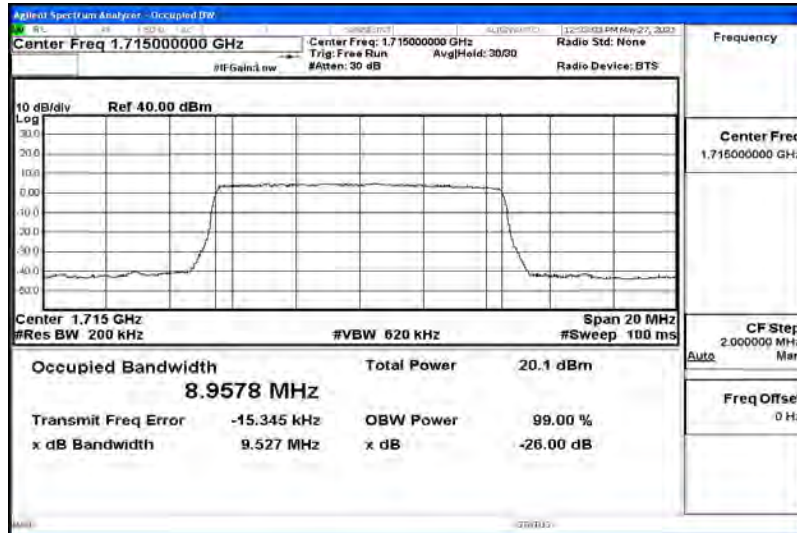
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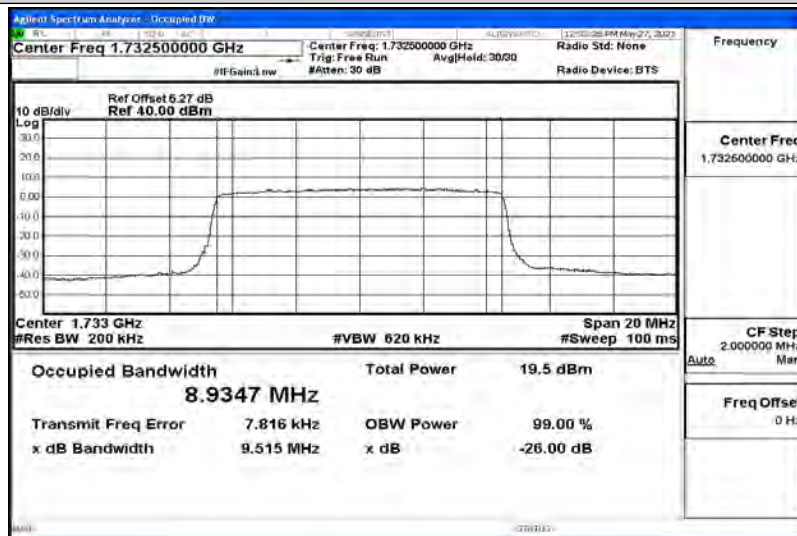
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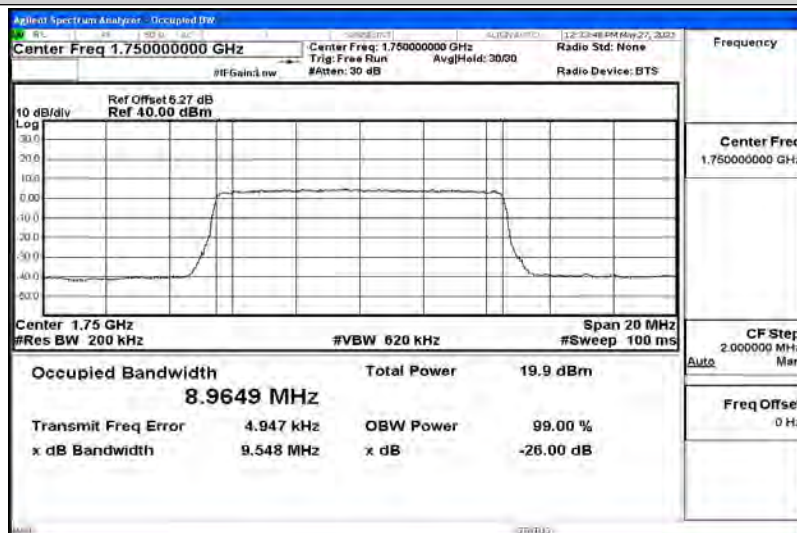
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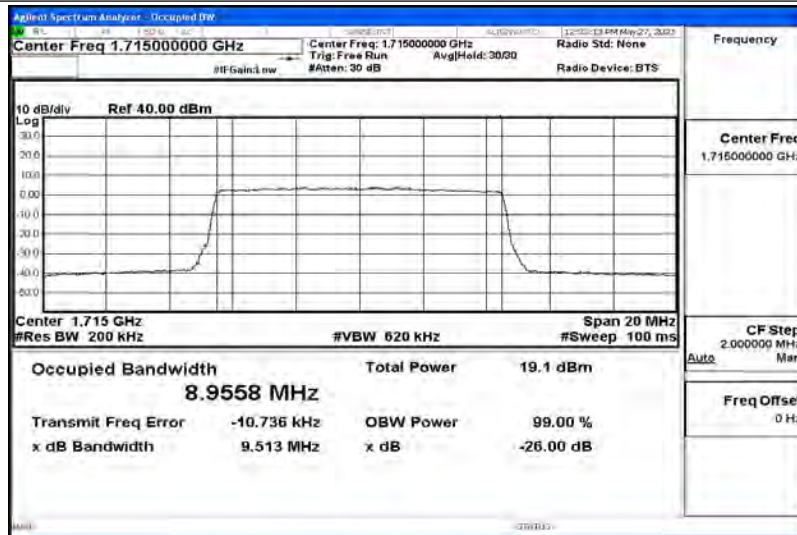
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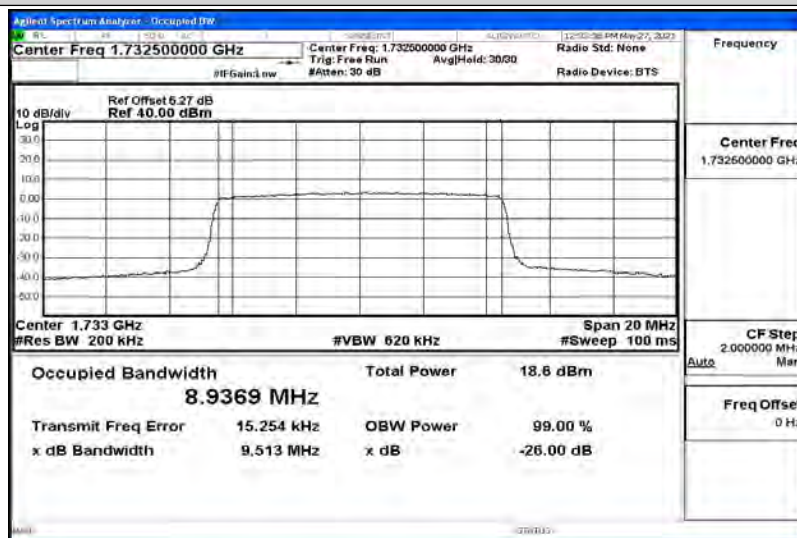
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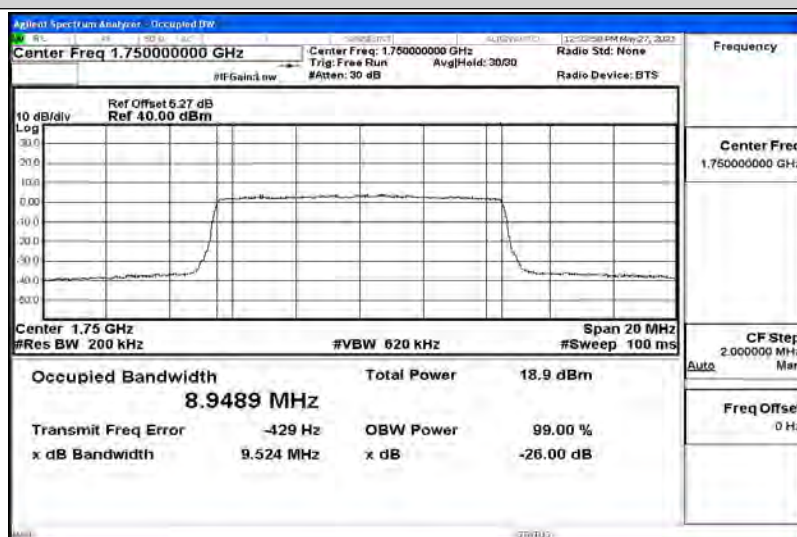
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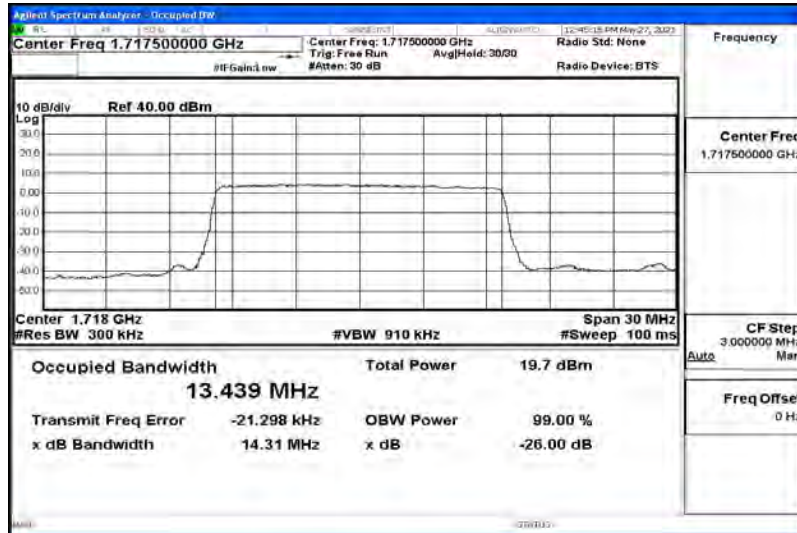
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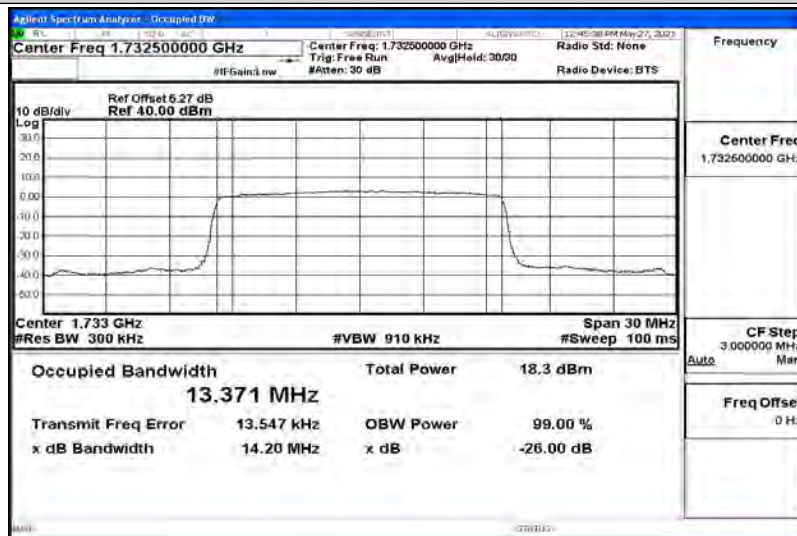
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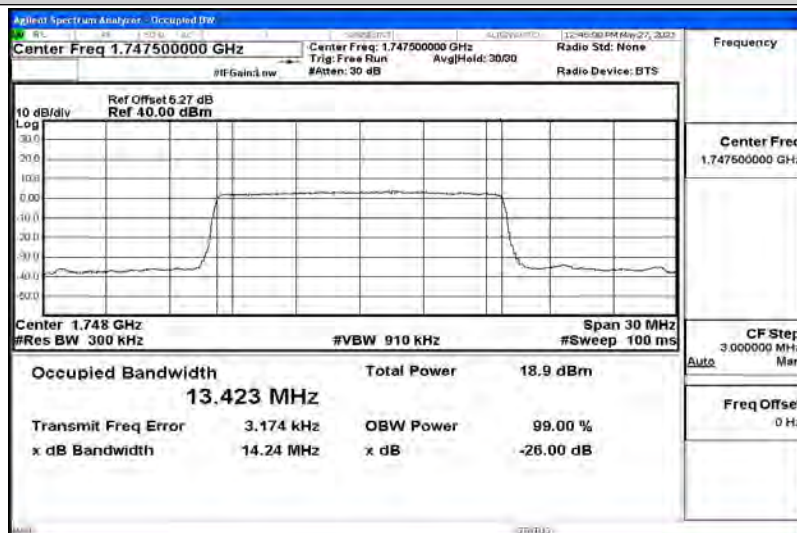
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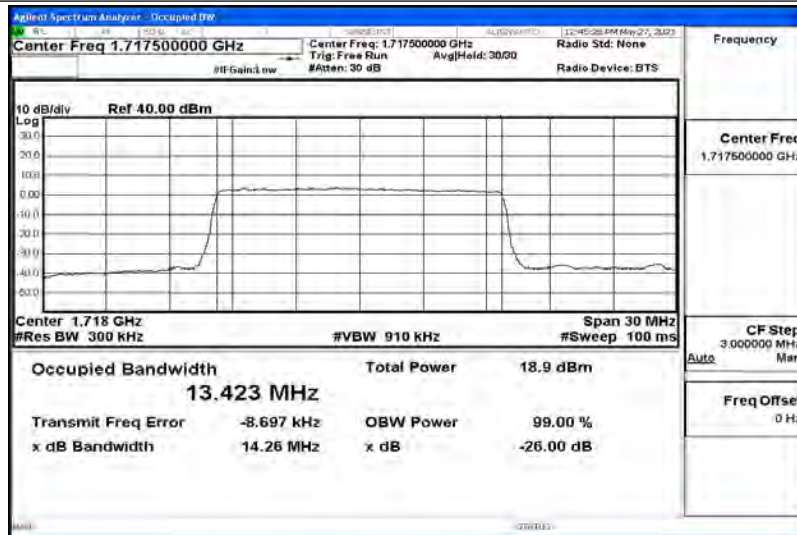
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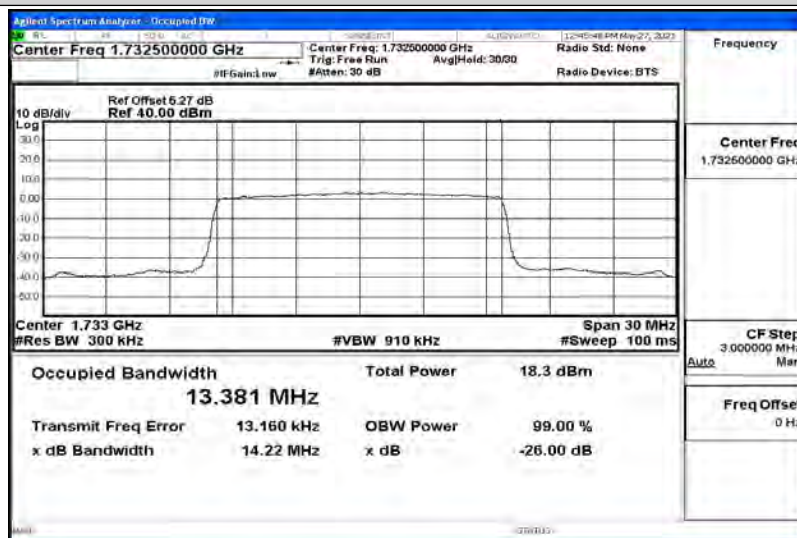
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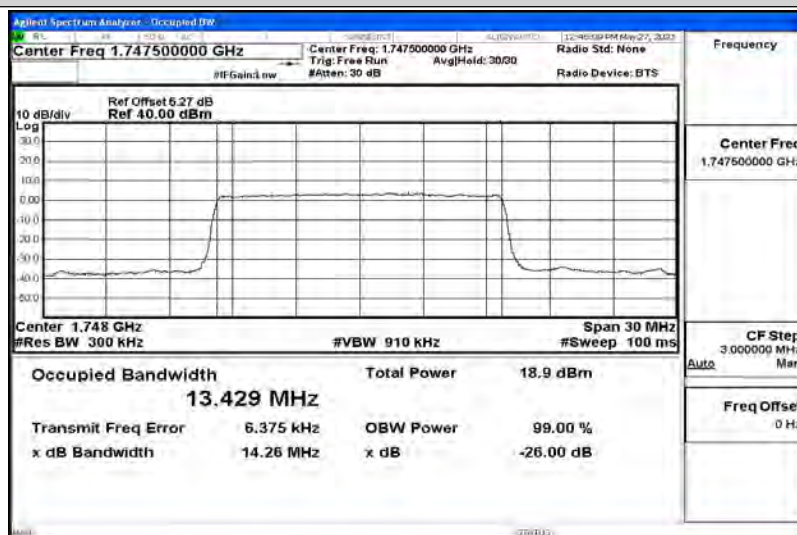
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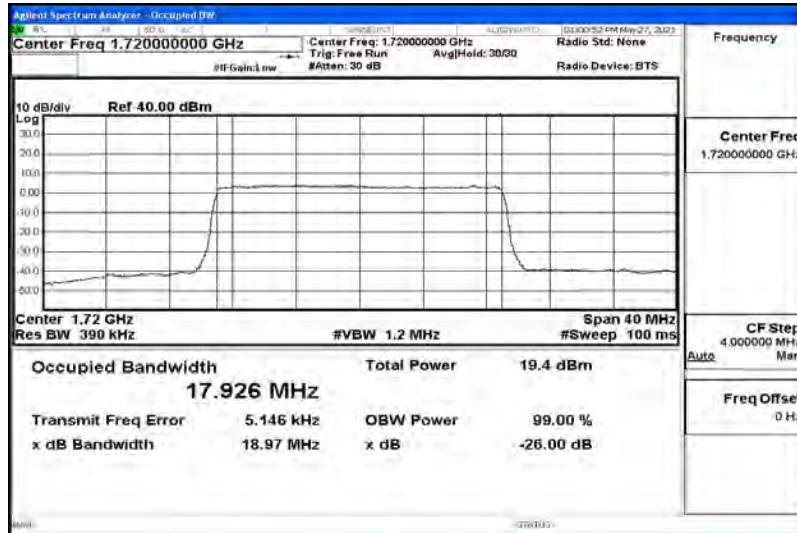
Band4-15MHz-16QAM-20175-75RB#0-13.381



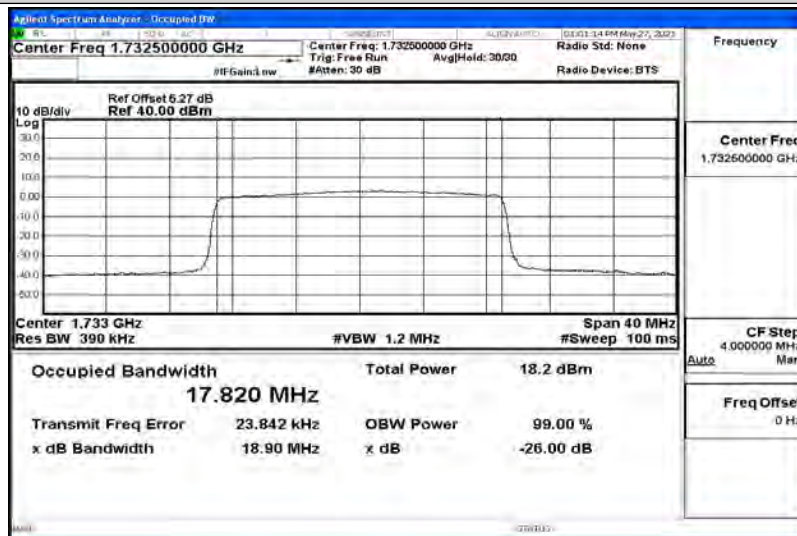
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Band4-20MHz-QPSK-20050-100RB#0-17.926



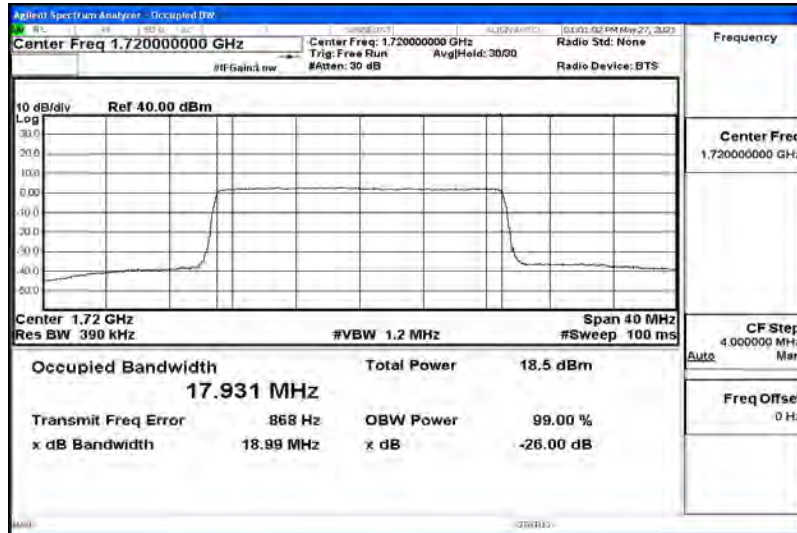
Band4-20MHz-QPSK-20175-100RB#0-17.820



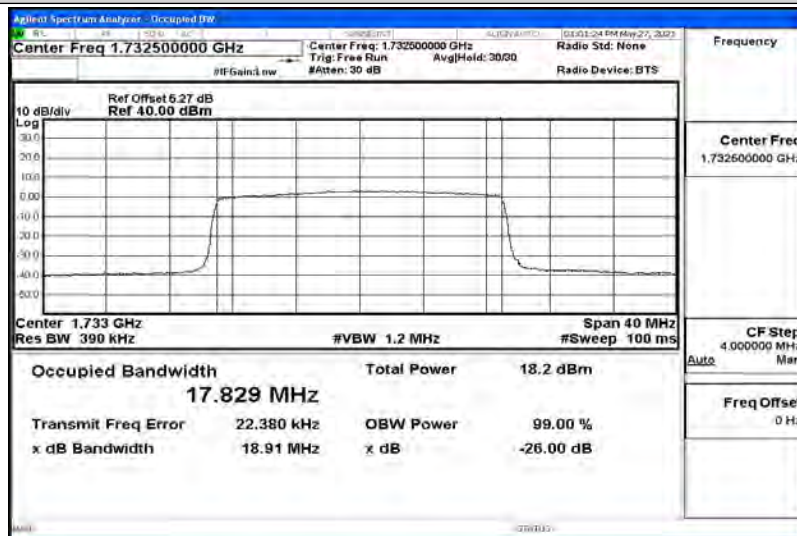
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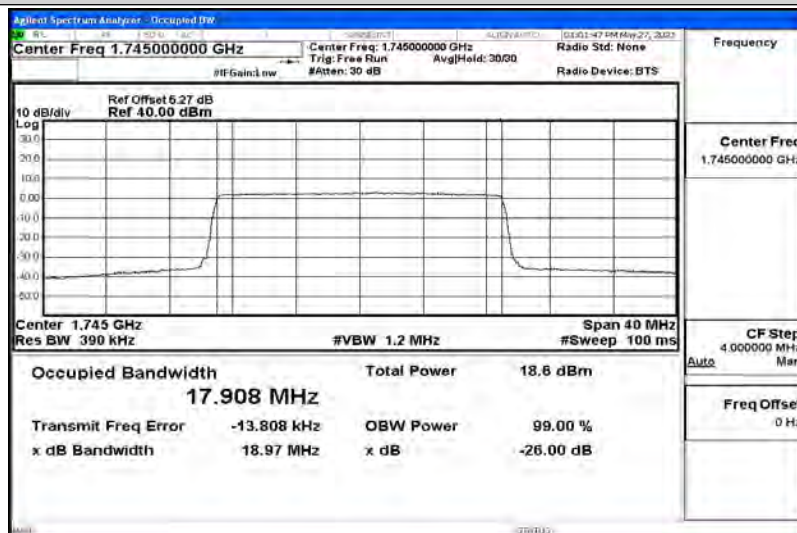
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Band4-20MHz-16QAM-20175-100RB#0-17.829



Band4-20MHz-16QAM-20300-100RB#0-17.908



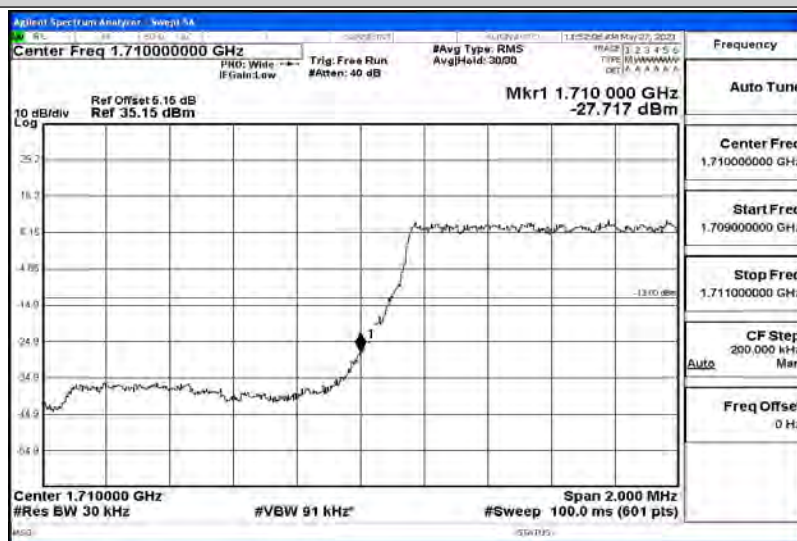
G.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-27.72	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-26.06	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.81	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.45	PASS
Band4	3MHz	QPSK	19965	15RB#0	-25.89	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.25	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.93	PASS
Band4	3MHz	16QAM	20385	15RB#0	-24.38	PASS
Band4	5MHz	QPSK	19975	25RB#0	-24.89	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.34	PASS
Band4	5MHz	16QAM	19975	25RB#0	-25.17	PASS
Band4	5MHz	16QAM	20375	25RB#0	-25.33	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.15	PASS
Band4	10MHz	QPSK	20350	50RB#0	-30.02	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.31	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.01	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.56	PASS
Band4	15MHz	QPSK	20325	75RB#0	-32.17	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.80	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.40	PASS
Band4	20MHz	QPSK	20050	100RB#0	-35.34	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.44	PASS
Band4	20MHz	16QAM	20050	100RB#0	-35.59	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.42	PASS

Test Graphs

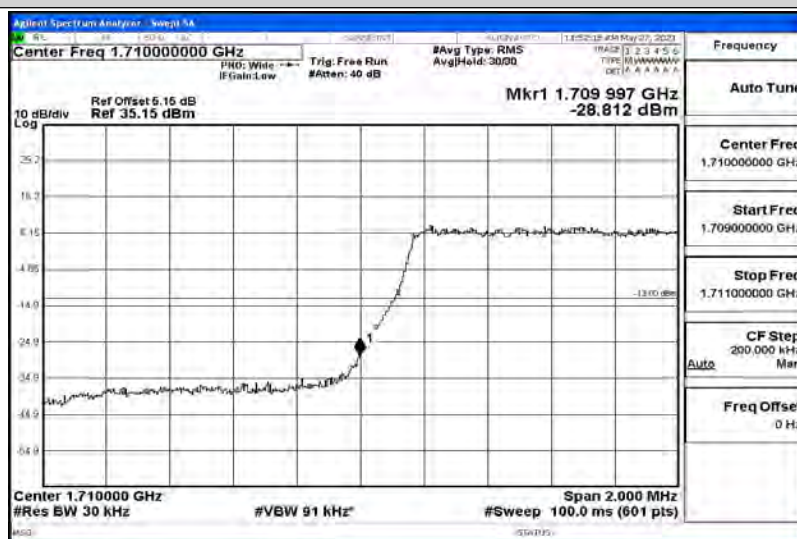
Band4-1.4MHz-QPSK-19957-6RB#0



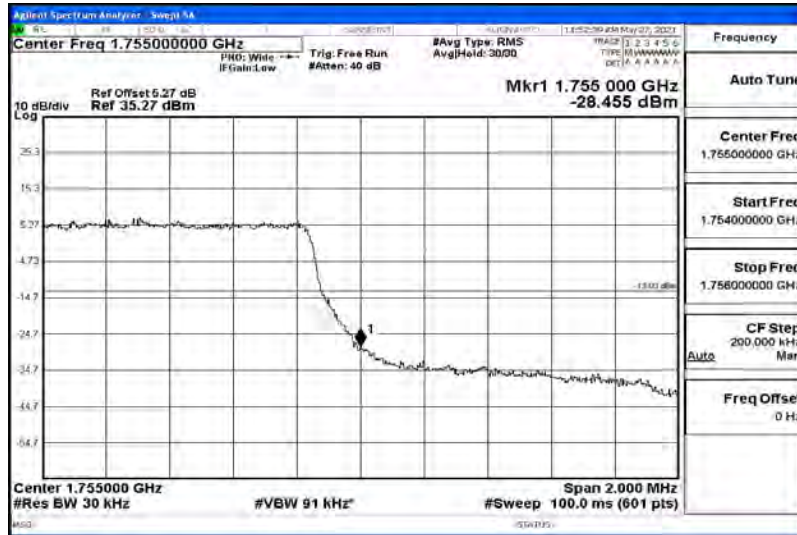
Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-15RB#0



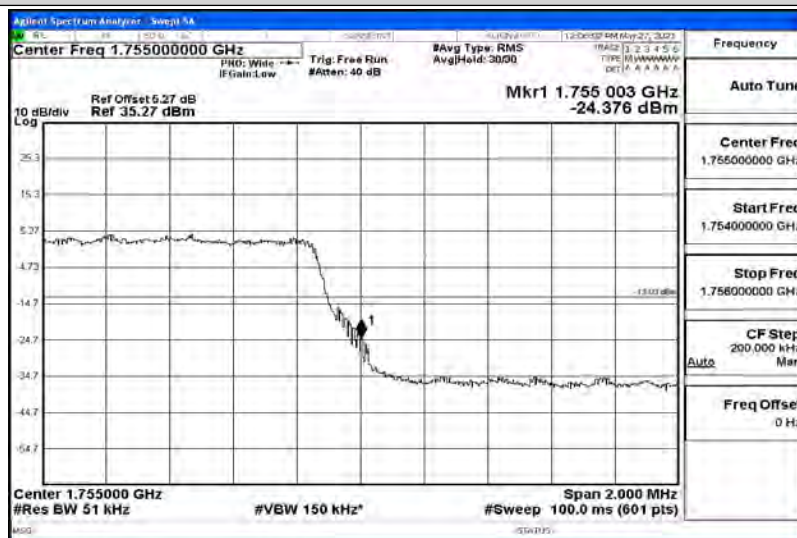
Band4-3MHz-QPSK-20385-15RB#0



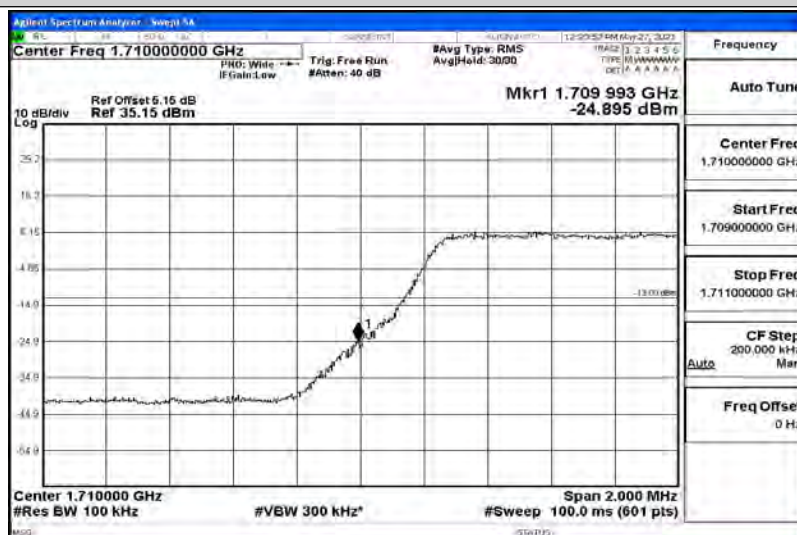
Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



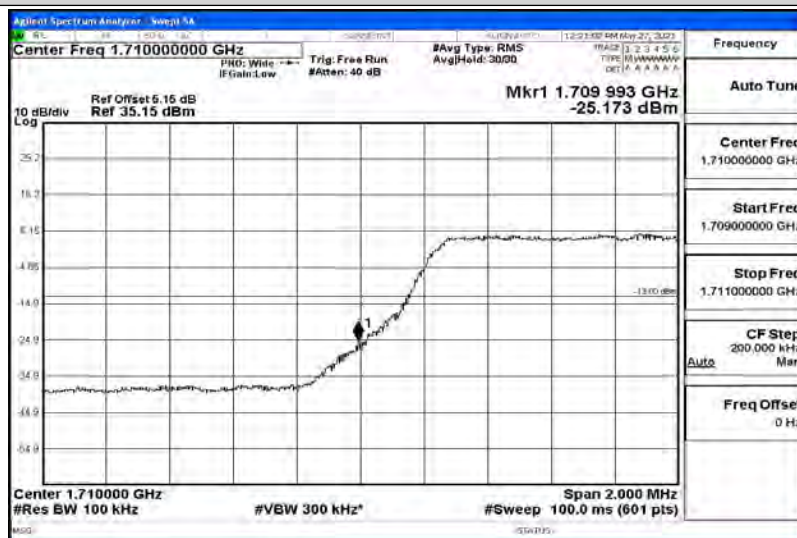
Band4-5MHz-QPSK-19975-25RB#0



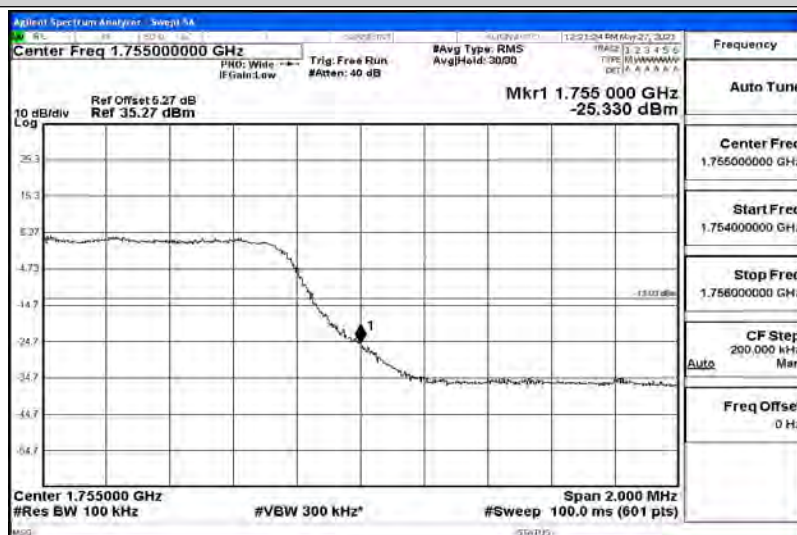
Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



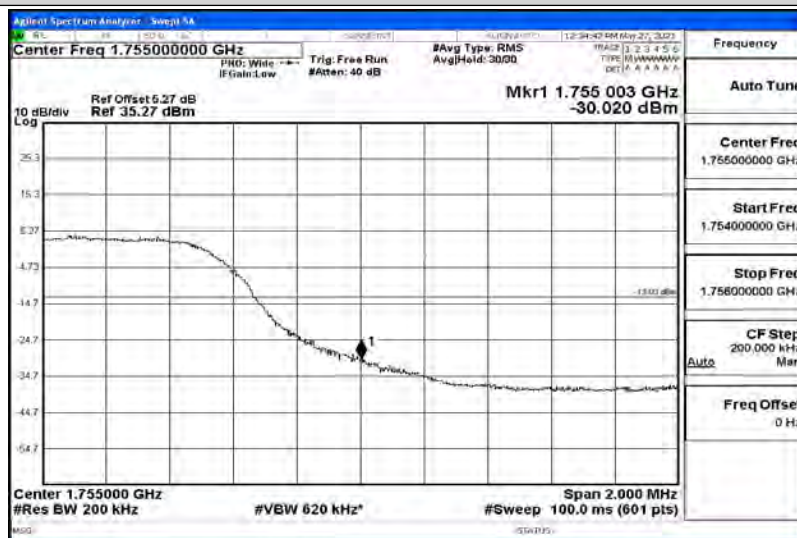
Band4-5MHz-16QAM-20375-25RB#0



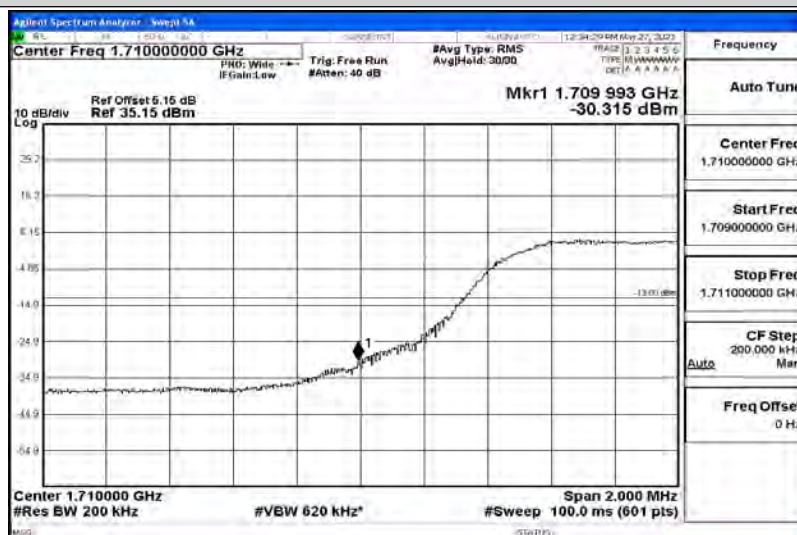
Band4-10MHz-QPSK-20000-50RB#0



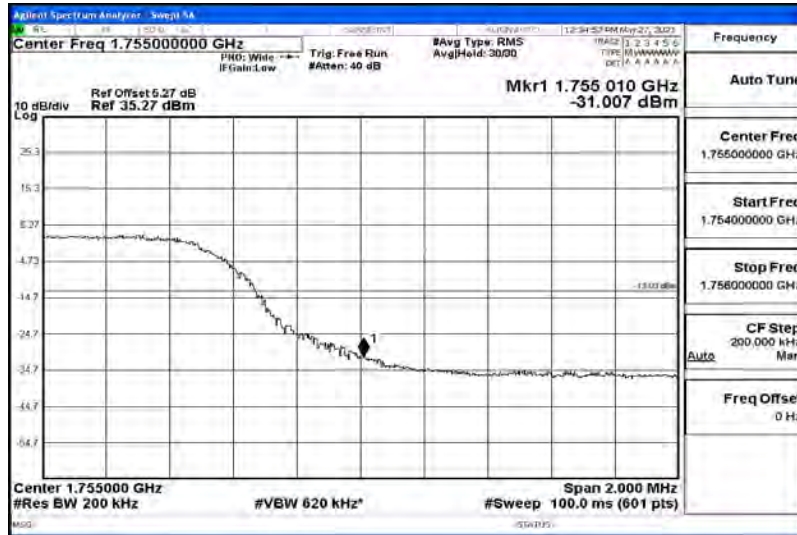
Band4-10MHz-QPSK-20350-50RB#0



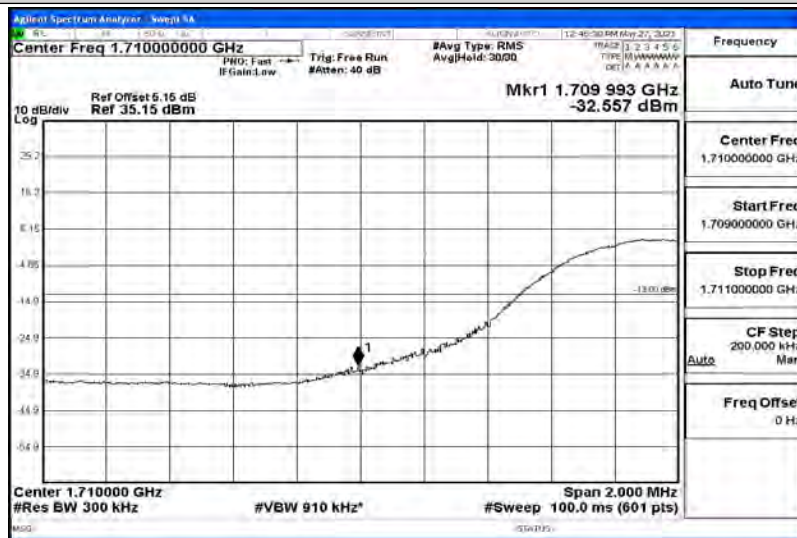
Band4-10MHz-16QAM-20000-50RB#0



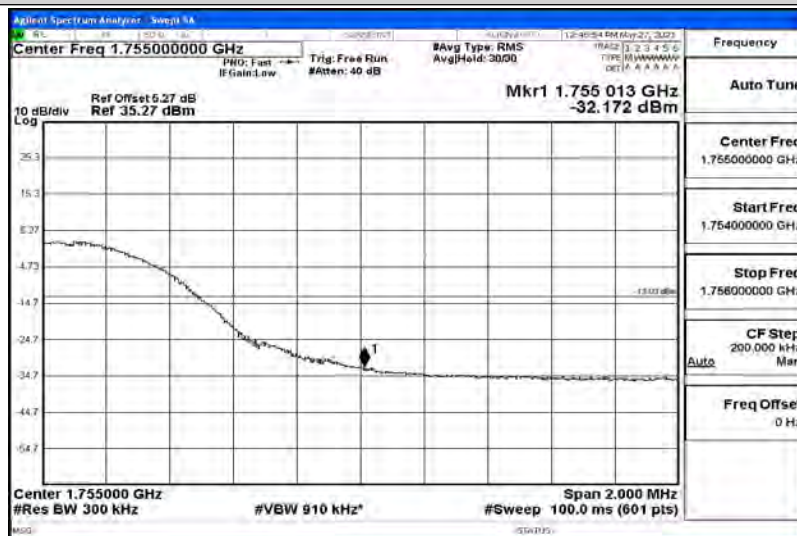
Band4-10MHz-16QAM-20350-50RB#0



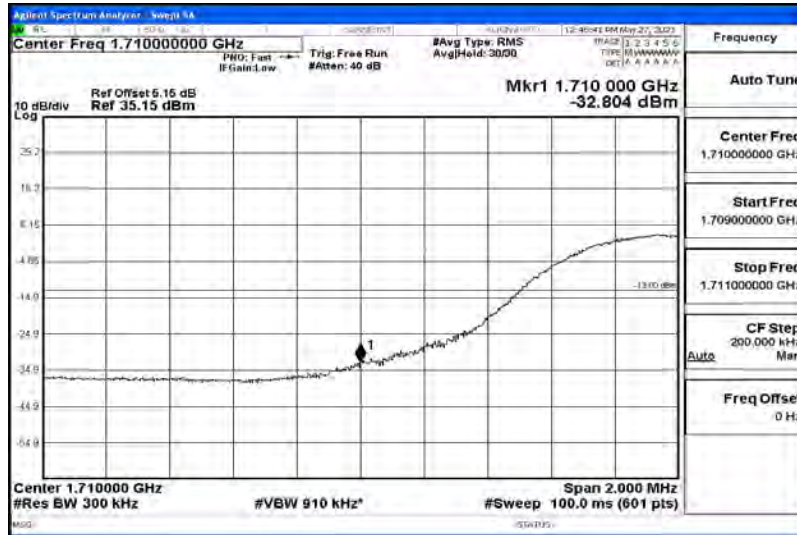
Band4-15MHz-QPSK-20025-75RB#0



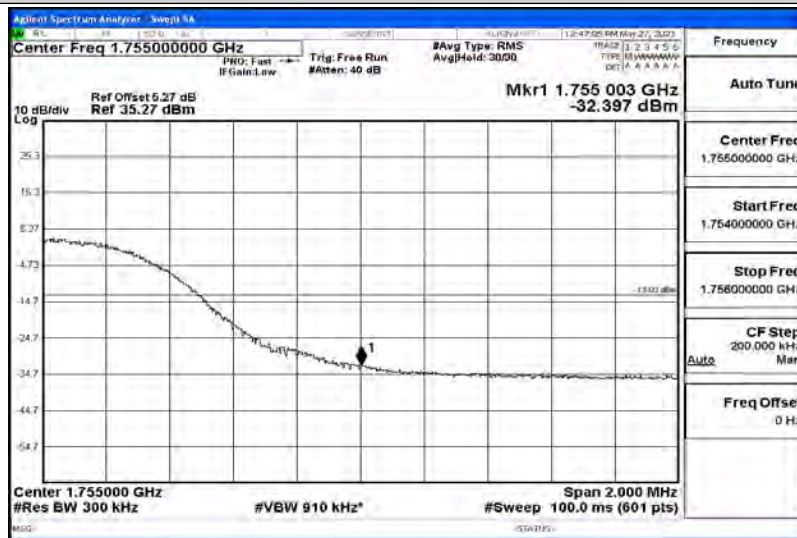
Band4-15MHz-QPSK-20325-75RB#0



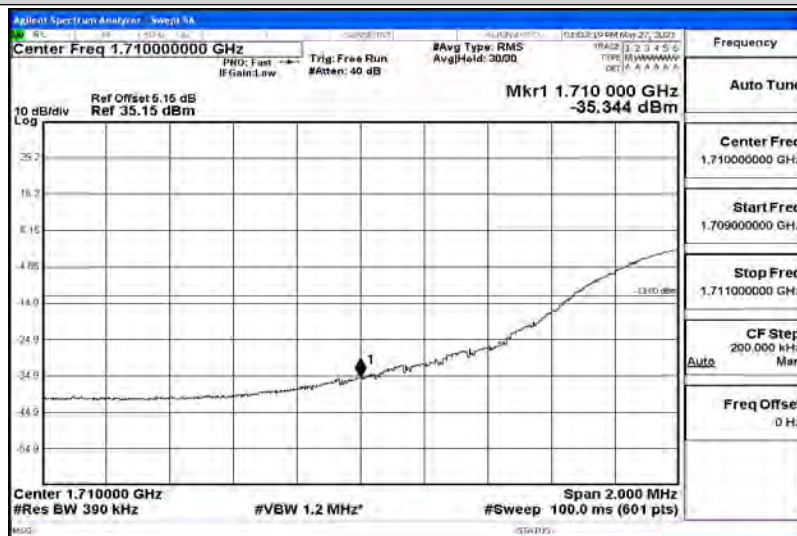
Band4-15MHz-16QAM-20025-75RB#0



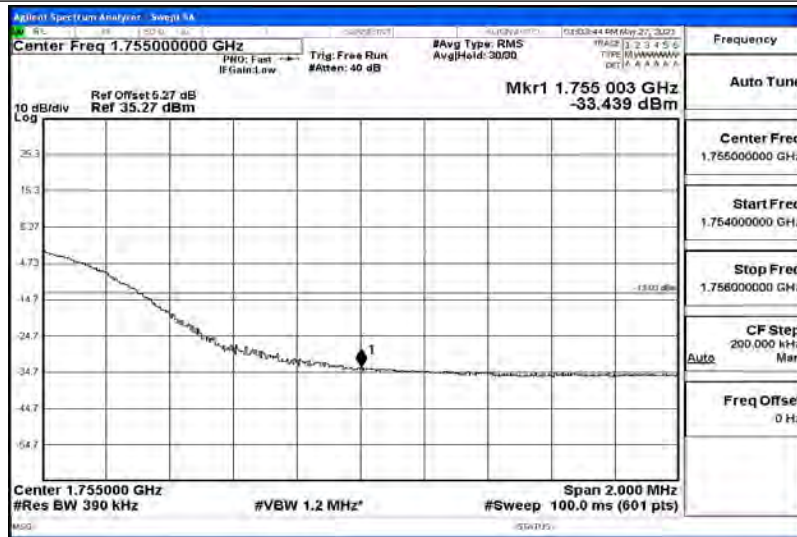
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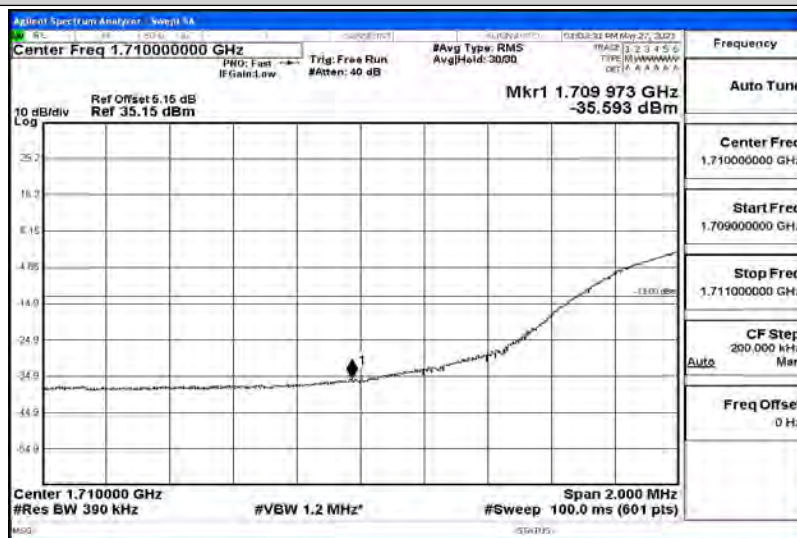
Band4-20MHz-QPSK-20050-100RB#0



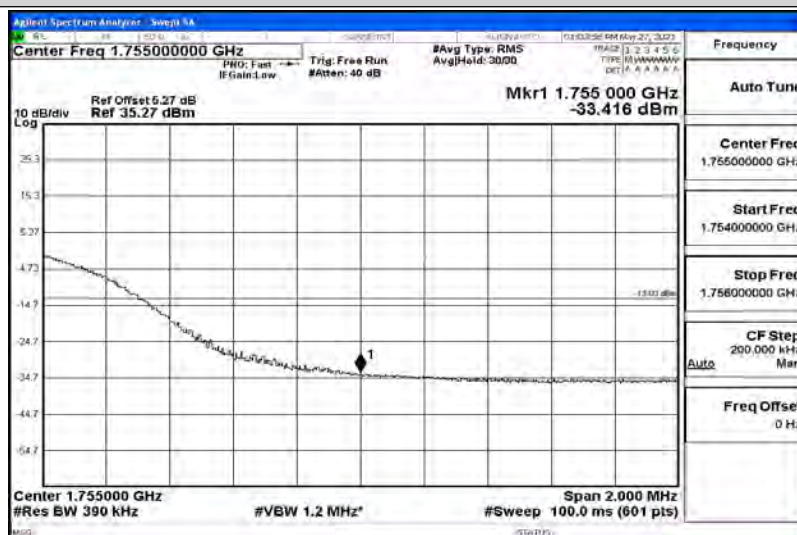
Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-100RB#0



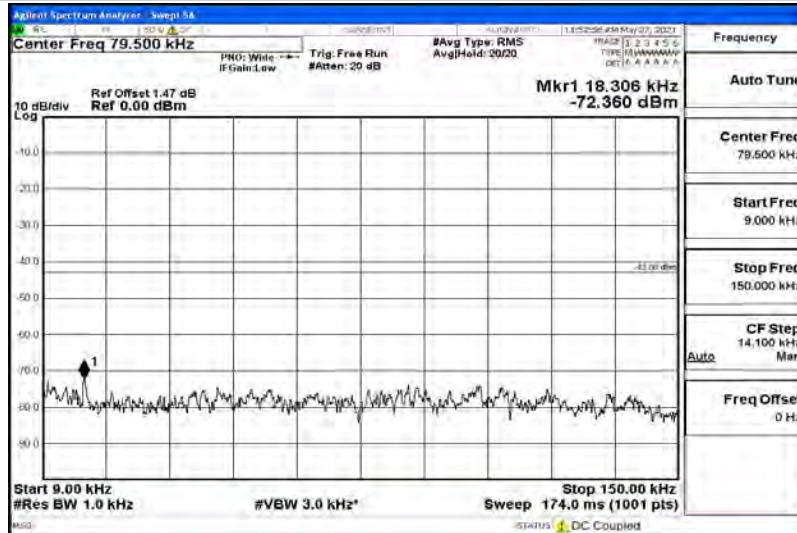
Band4-20MHz-16QAM-20300-100RB#0



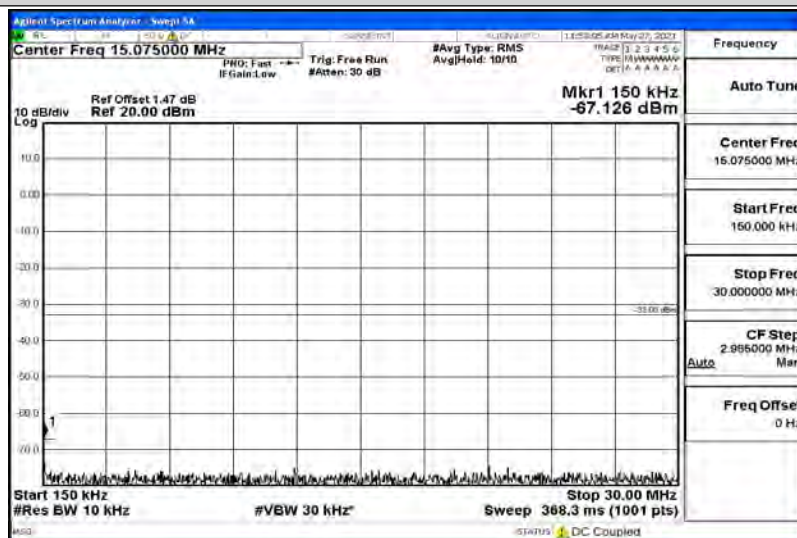
G.5 Conducted Spurious Emission

Test Graphs

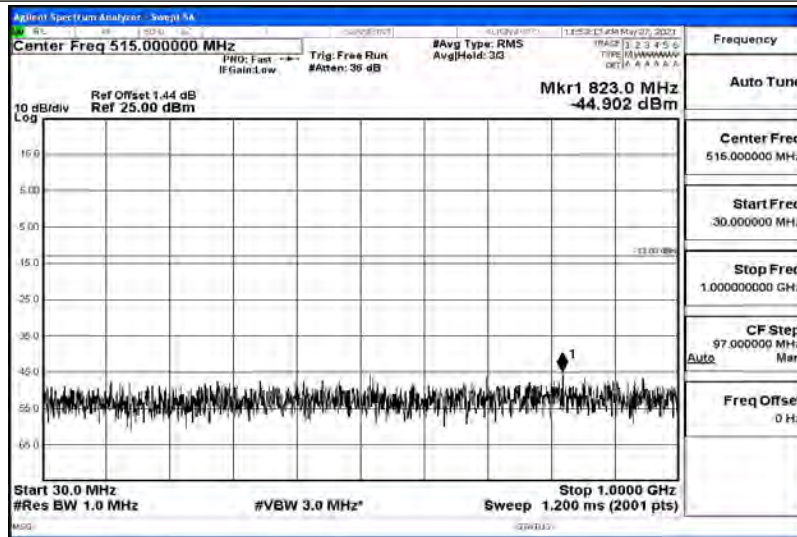
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-QPSK-19957-1RB#0-Range2:0.15~30MHz



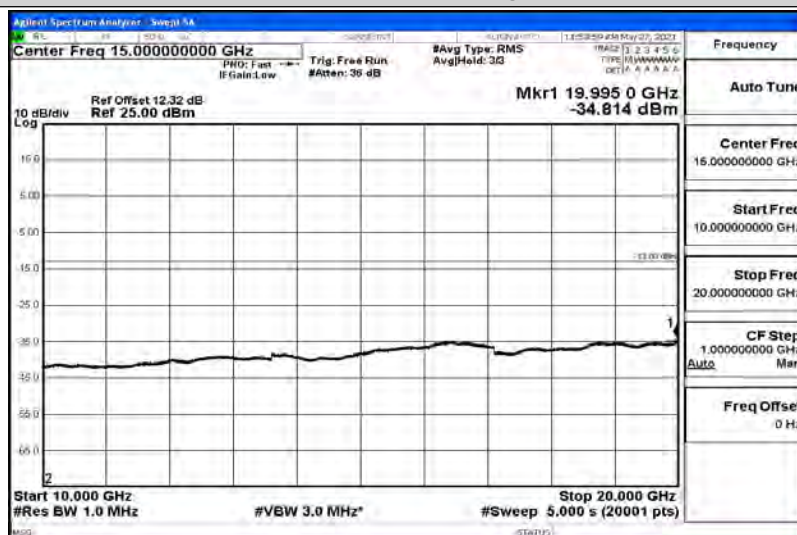
Band4-1.4MHz-QPSK-19957-1RB#0-Range3:30~1000MHz



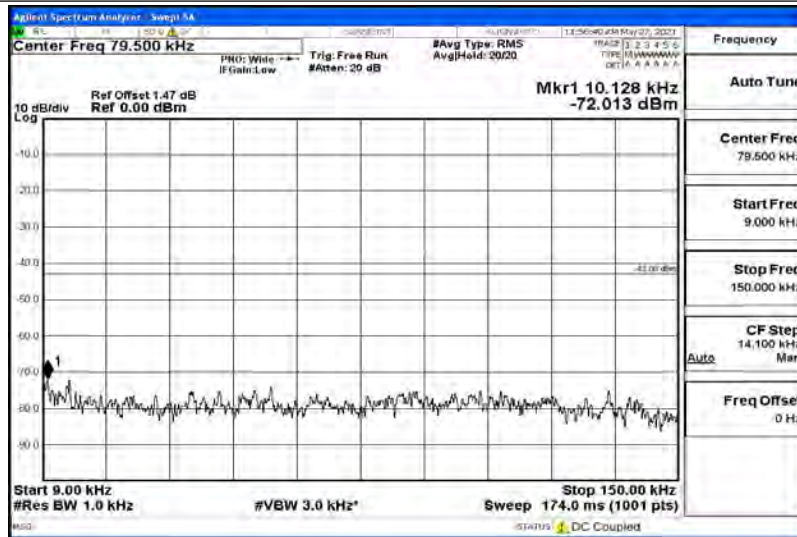
Band4-1.4MHz-QPSK-19957-1RB#0-Range4:1000~10000MHz



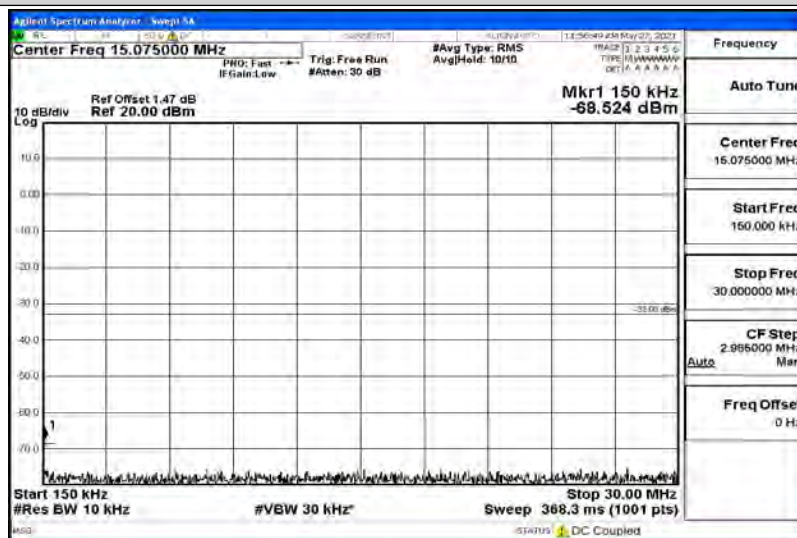
Band4-1.4MHz-QPSK-19957-1RB#0-Range5:10000~20000MHz



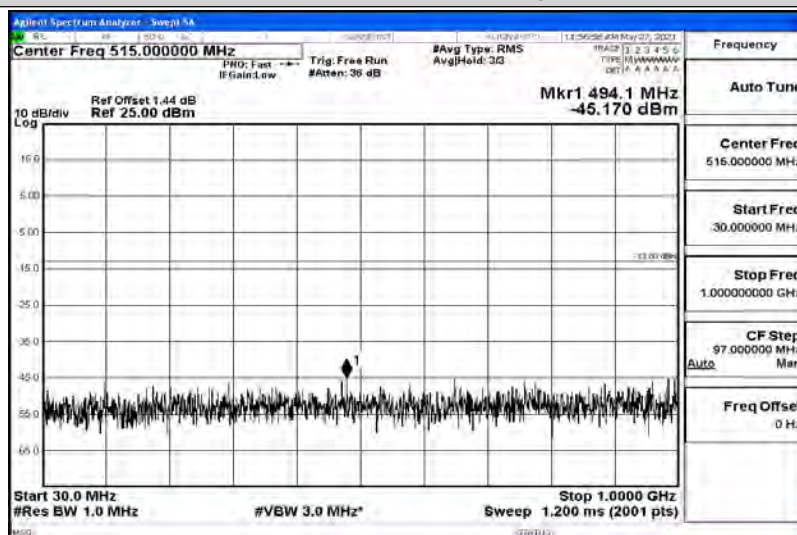
Band4-1.4MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



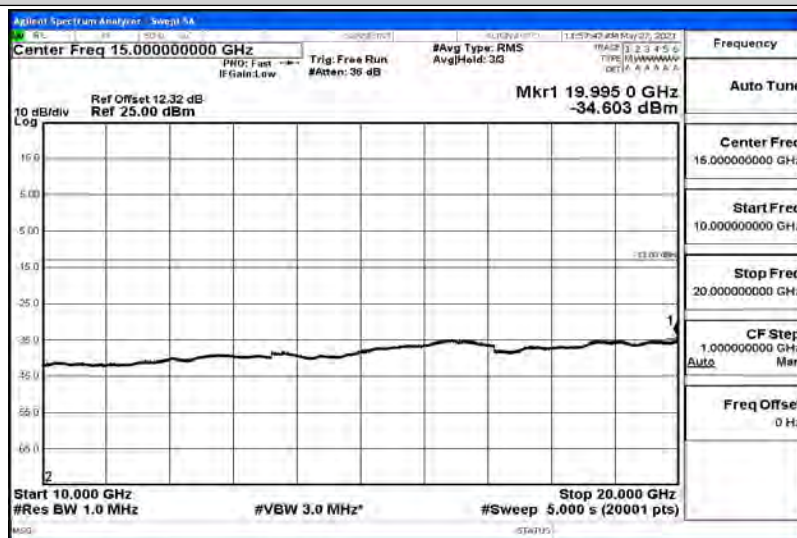
Band4-1.4MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



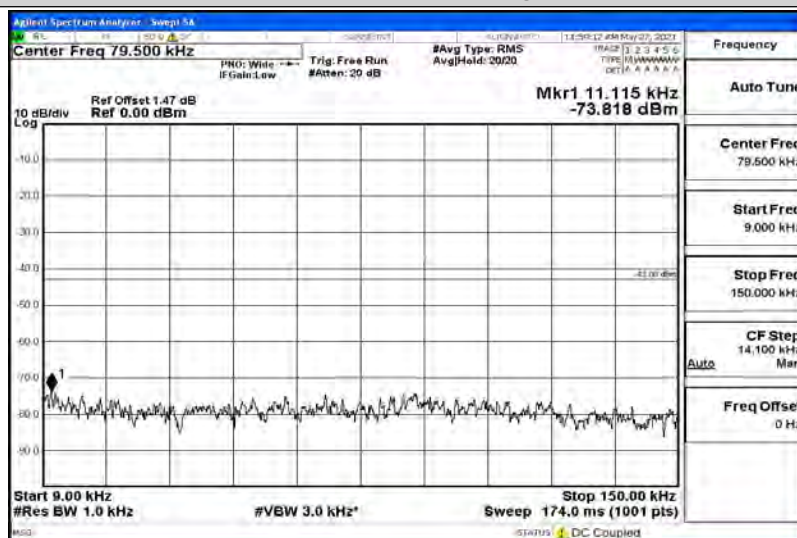
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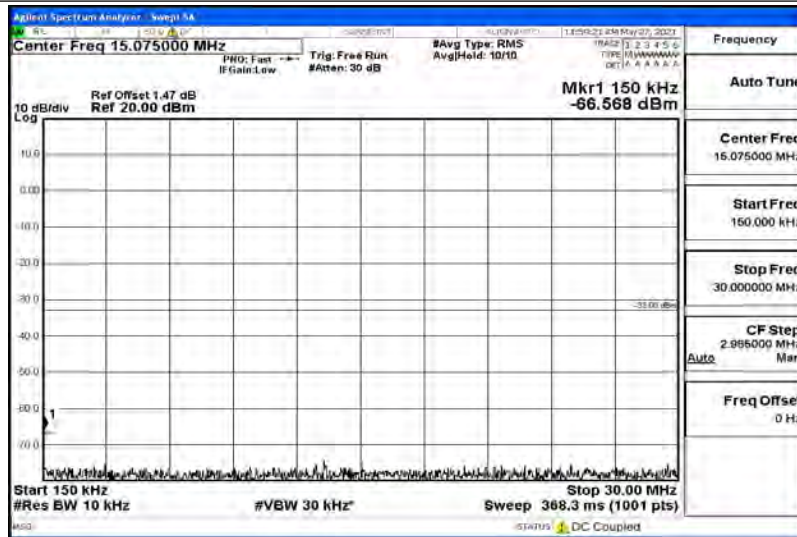
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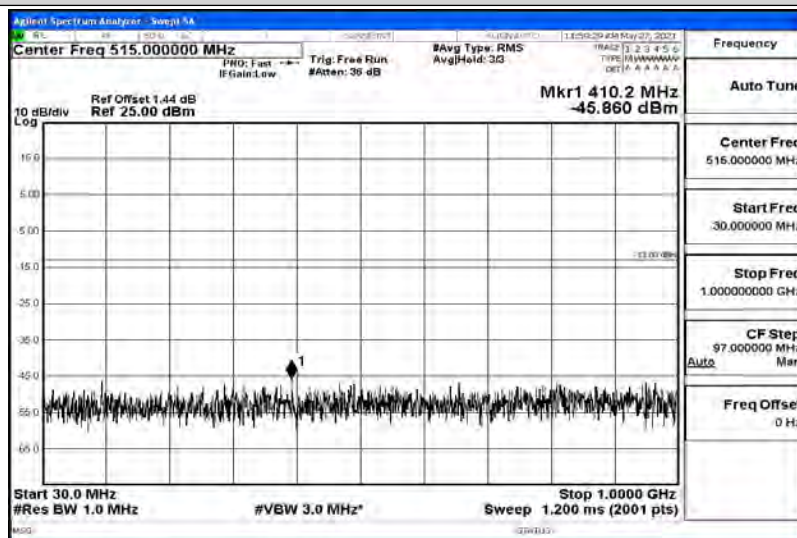
Band4-1.4MHz-QPSK-20393-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-QPSK-20393-1RB#0-Range2:0.15~30MHz



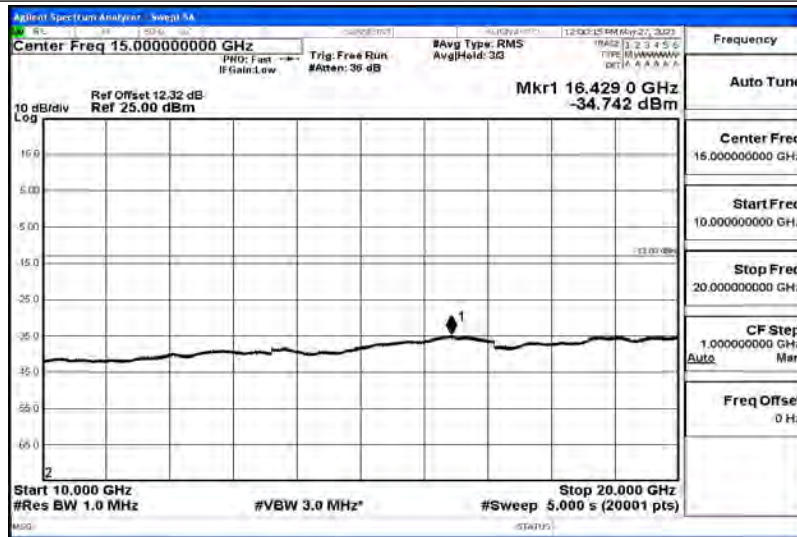
Band4-1.4MHz-QPSK-20393-1RB#0-Range3:30~1000MHz



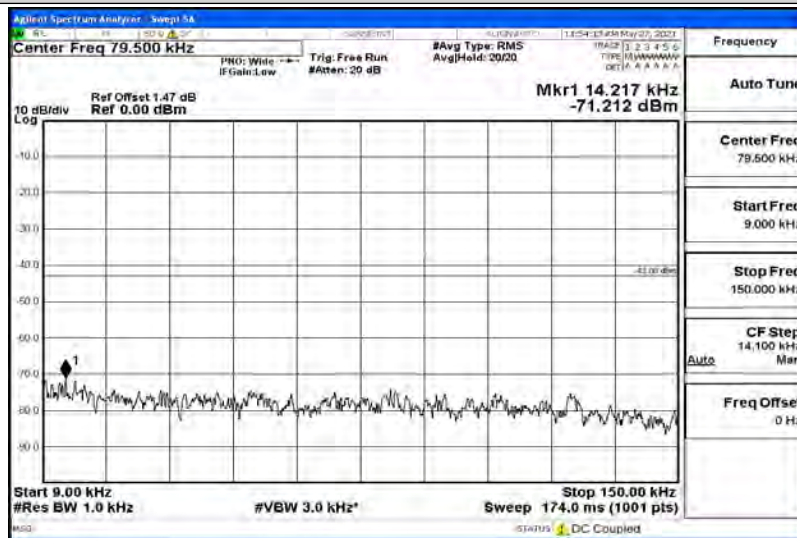
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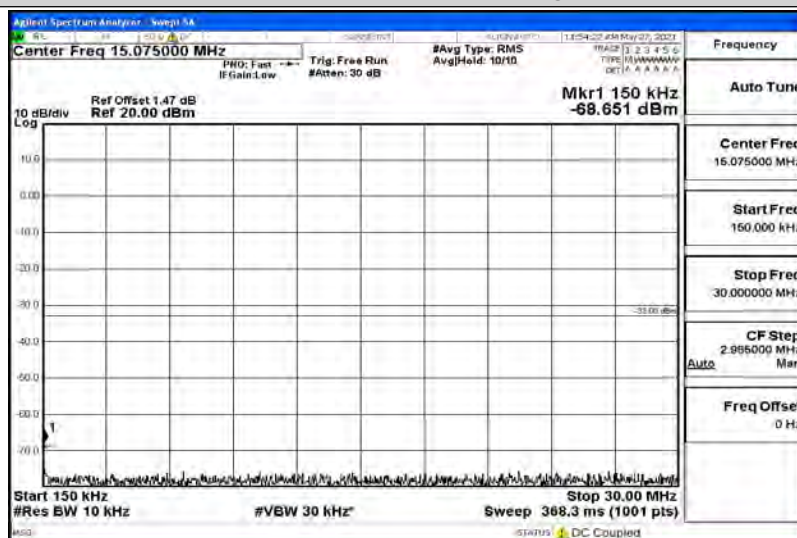
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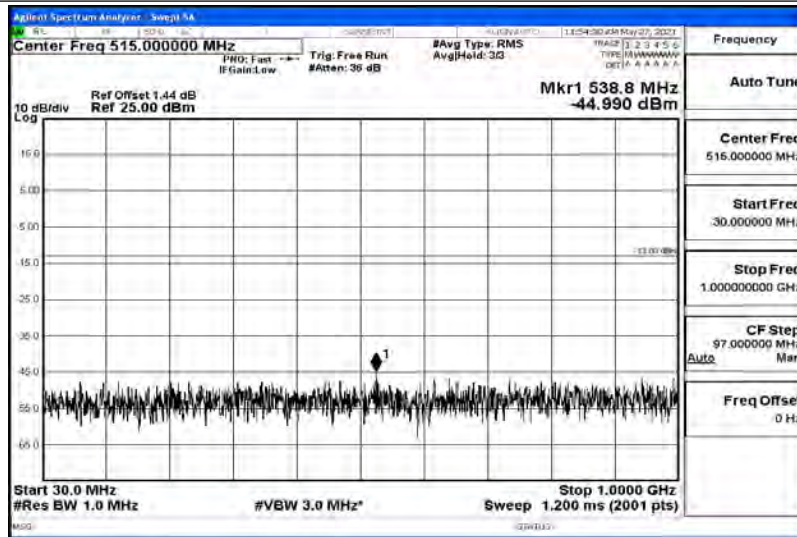
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range2:0.15~30MHz



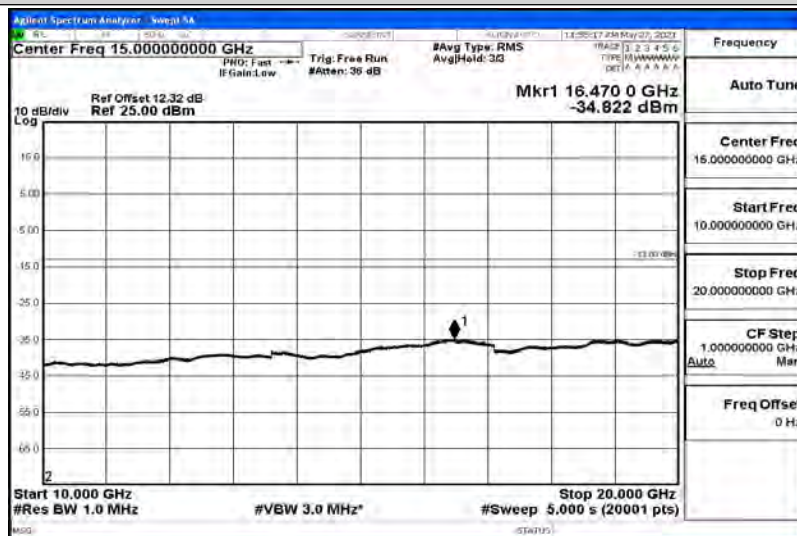
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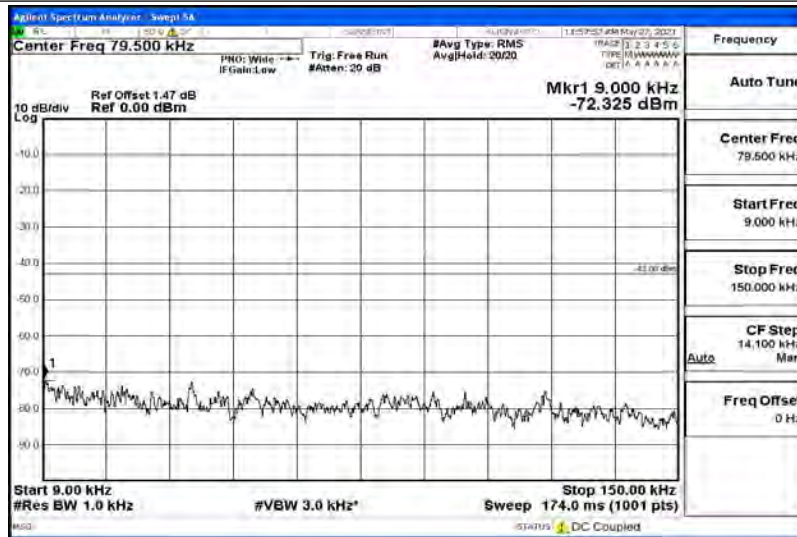
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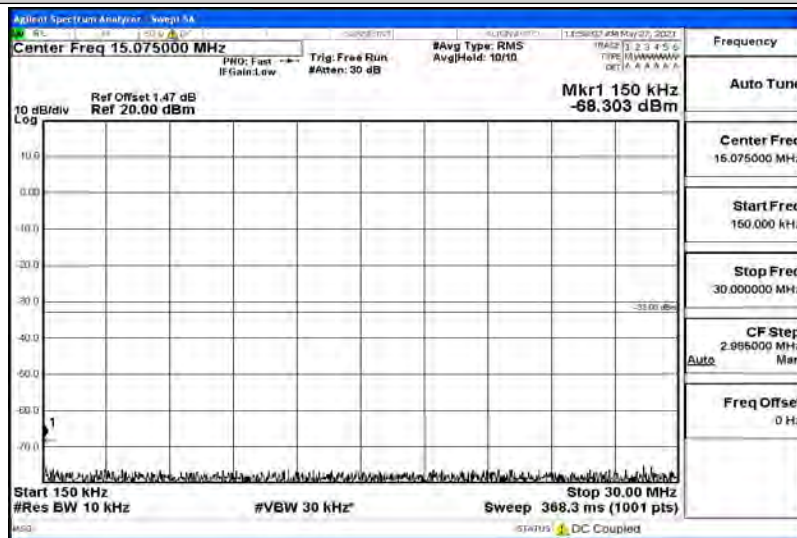
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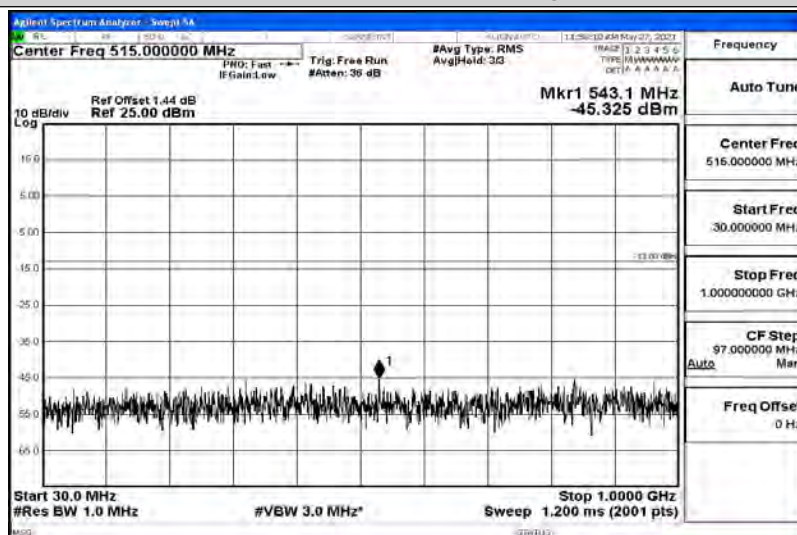
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



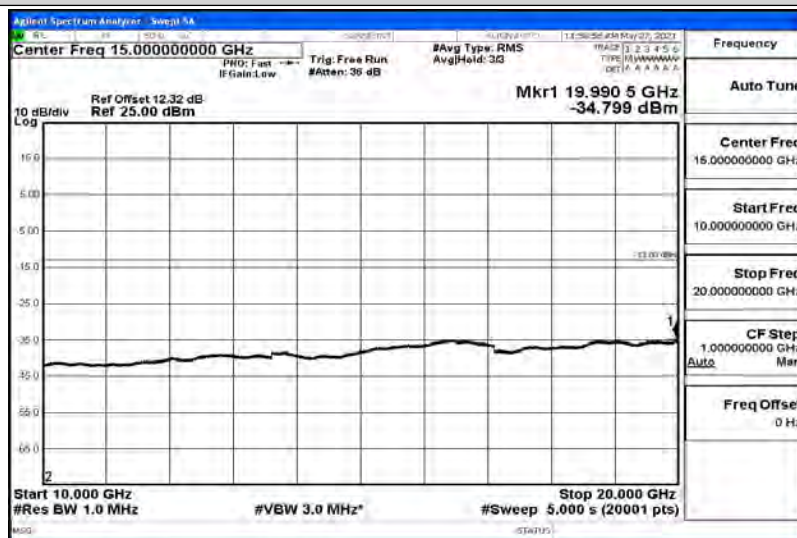
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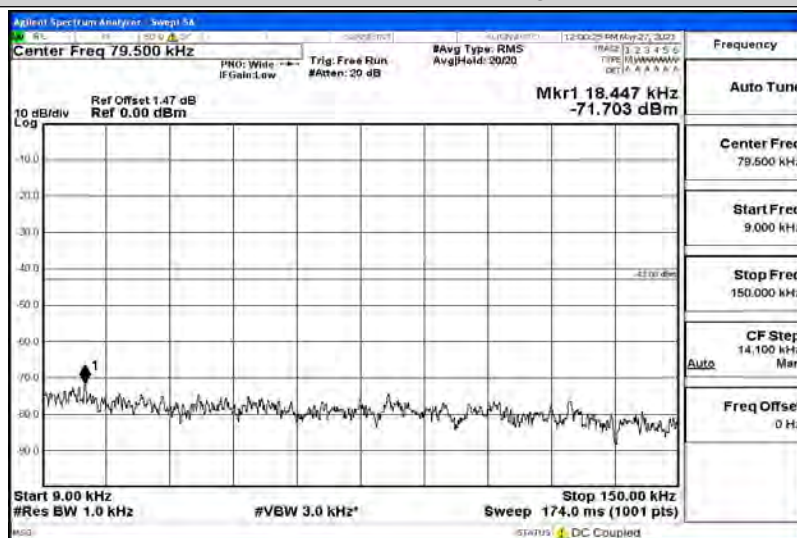
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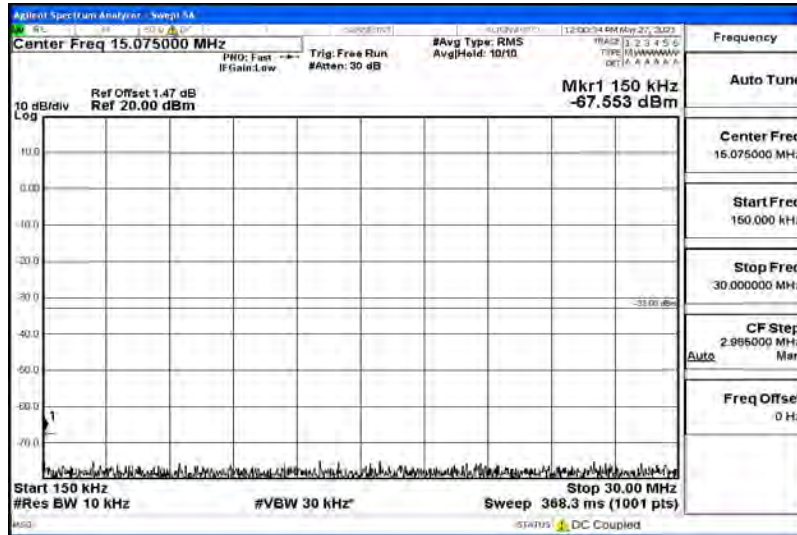
Band4-1.4MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz



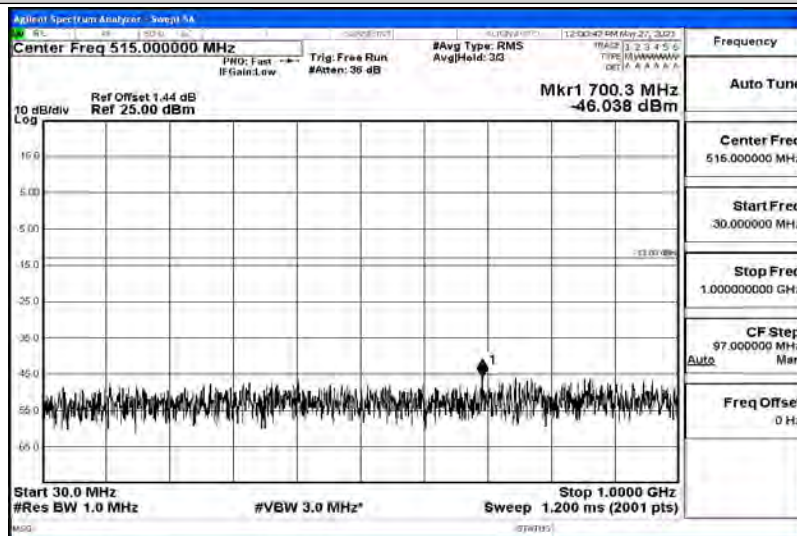
Band4-1.4MHz-16QAM-20393-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-16QAM-20393-1RB#0-Range2:0.15~30MHz



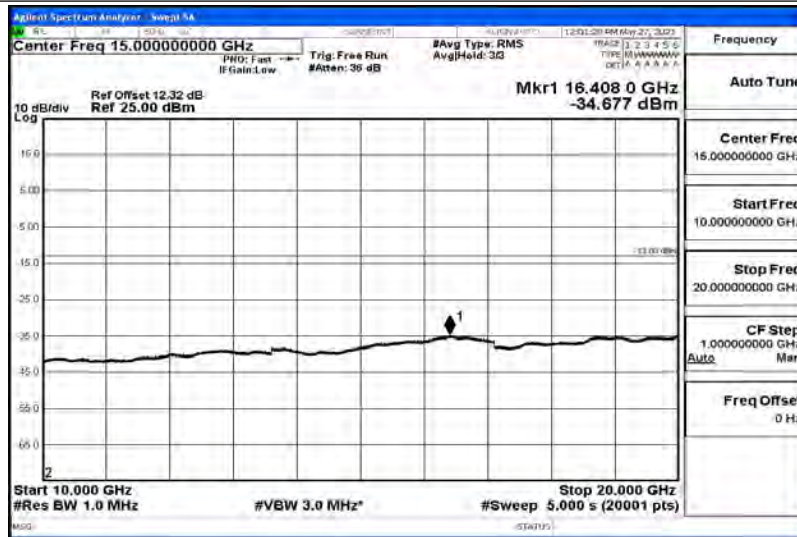
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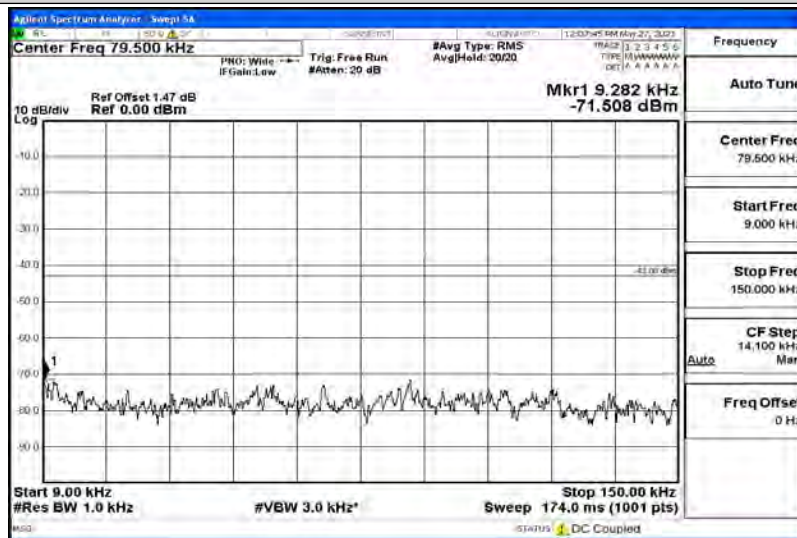
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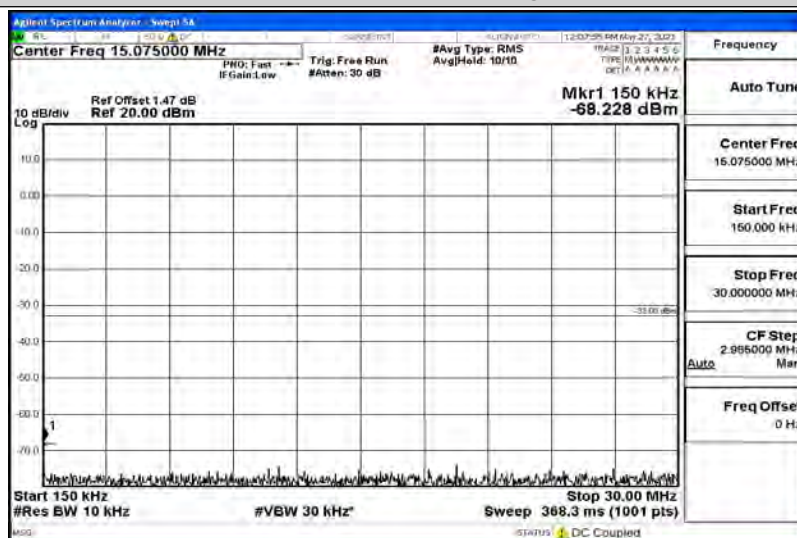
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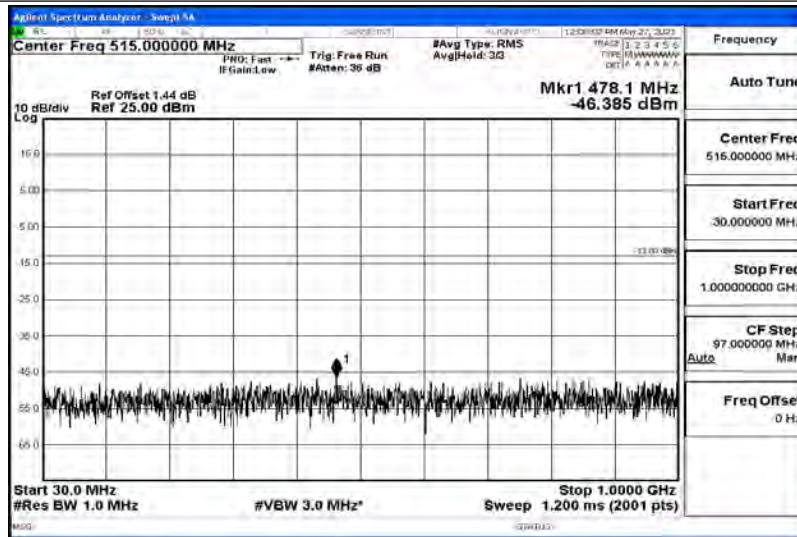
Band4-3MHz-QPSK-19965-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-QPSK-19965-1RB#0-Range2:0.15~30MHz



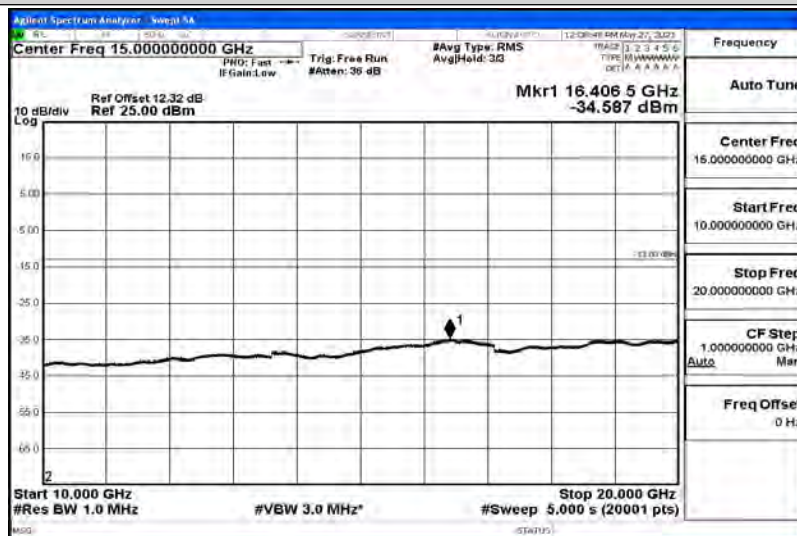
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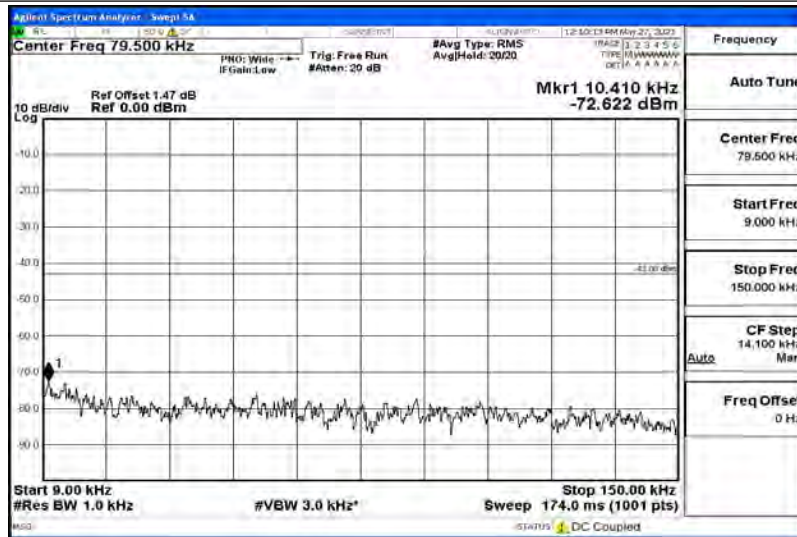
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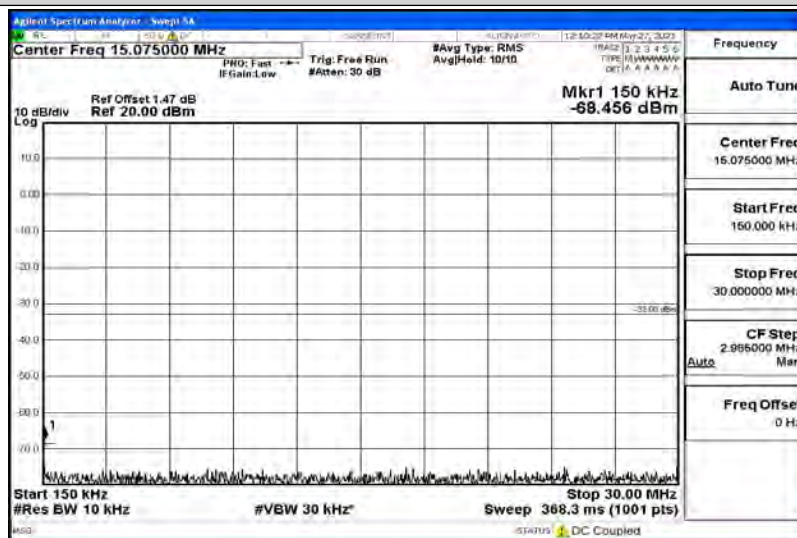
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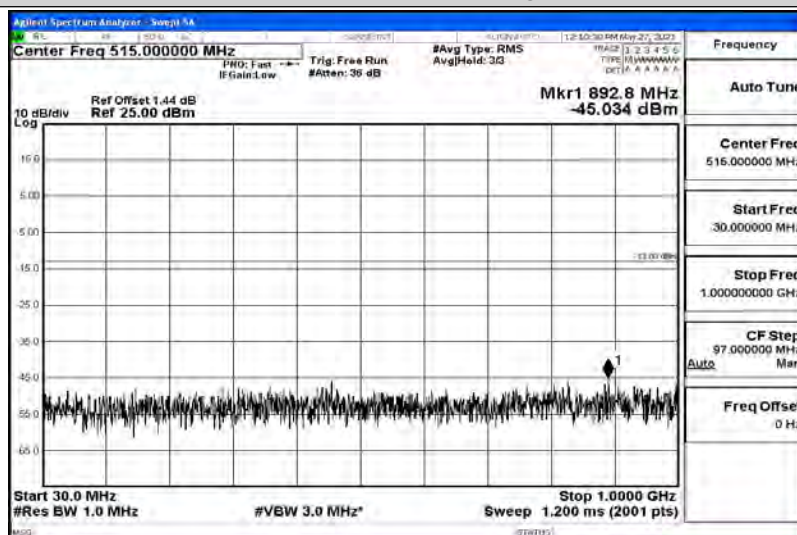
Band4-3MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



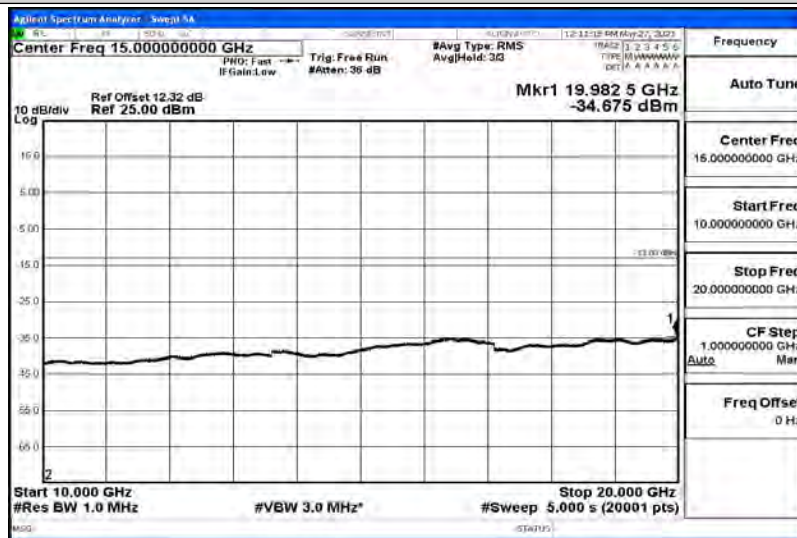
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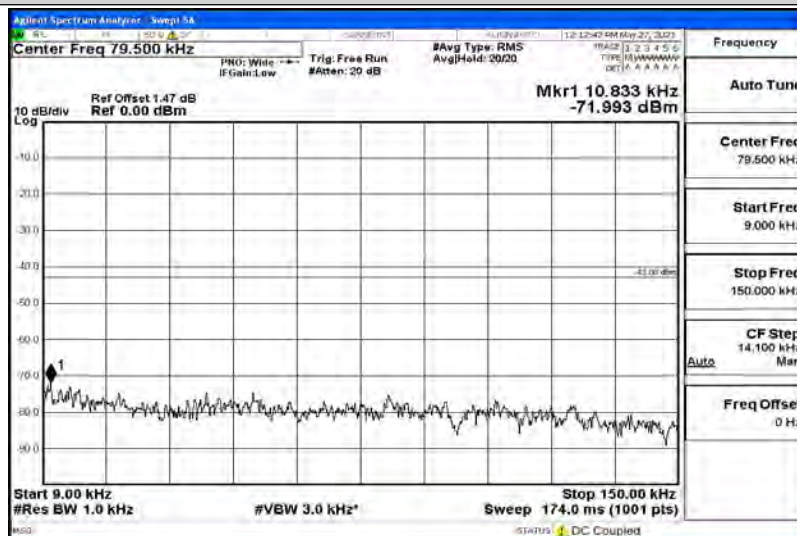
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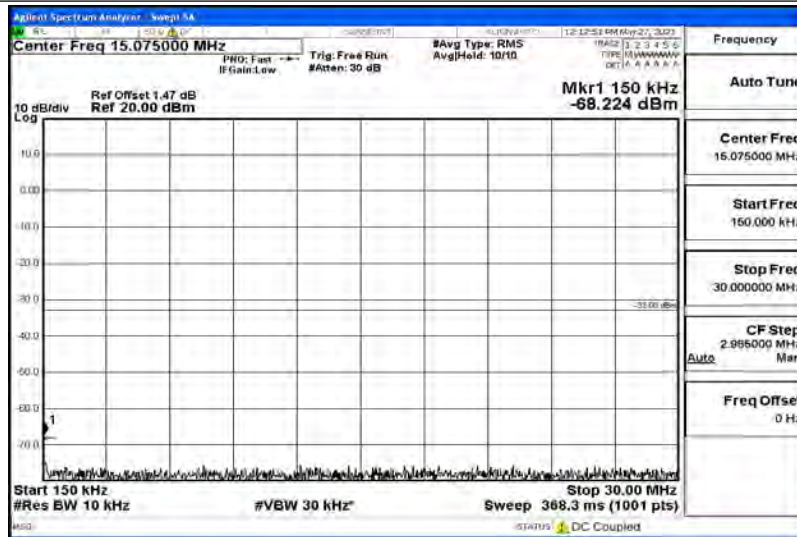
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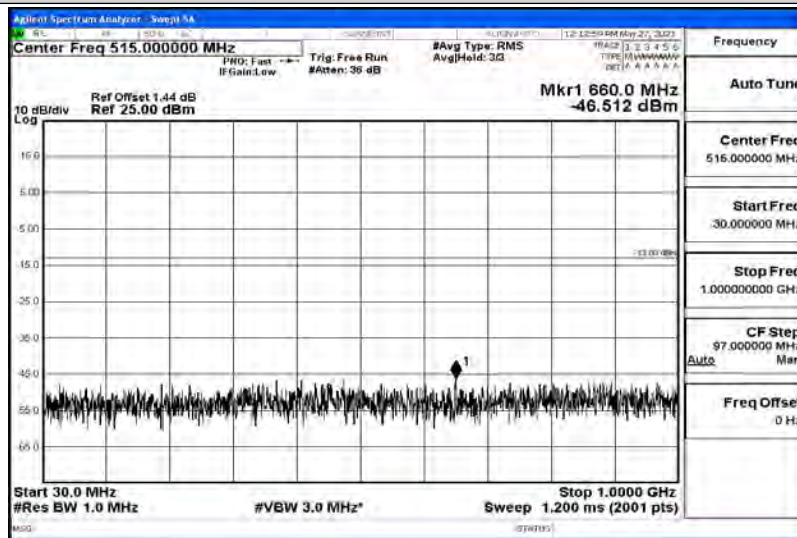
Band4-3MHz-QPSK-20385-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-QPSK-20385-1RB#0-Range2:0.15~30MHz



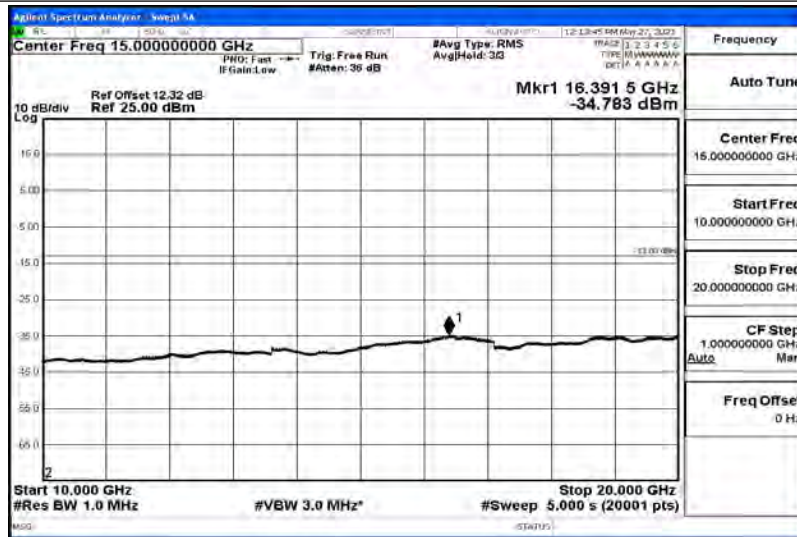
Band4-3MHz-QPSK-20385-1RB#0-Range3:30~1000MHz



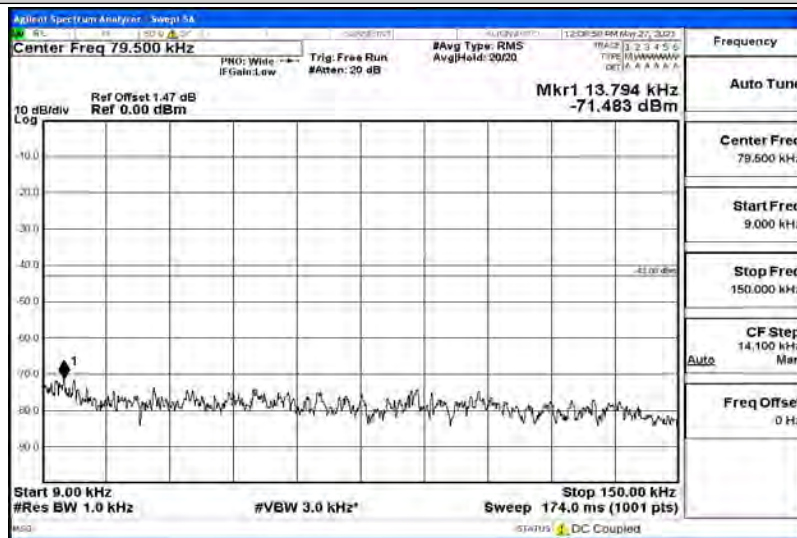
Band4-3MHz-QPSK-20385-1RB#0-Range4:1000~10000MHz



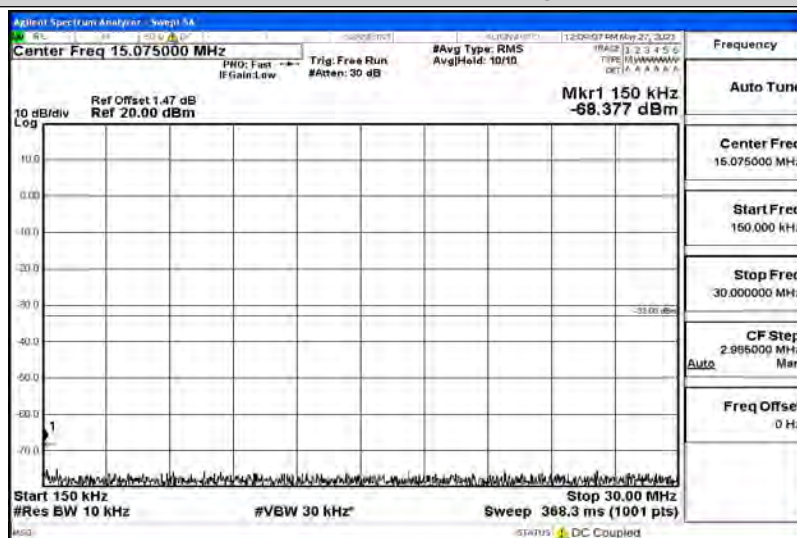
Band4-3MHz-QPSK-20385-1RB#0-Range5:10000~20000MHz



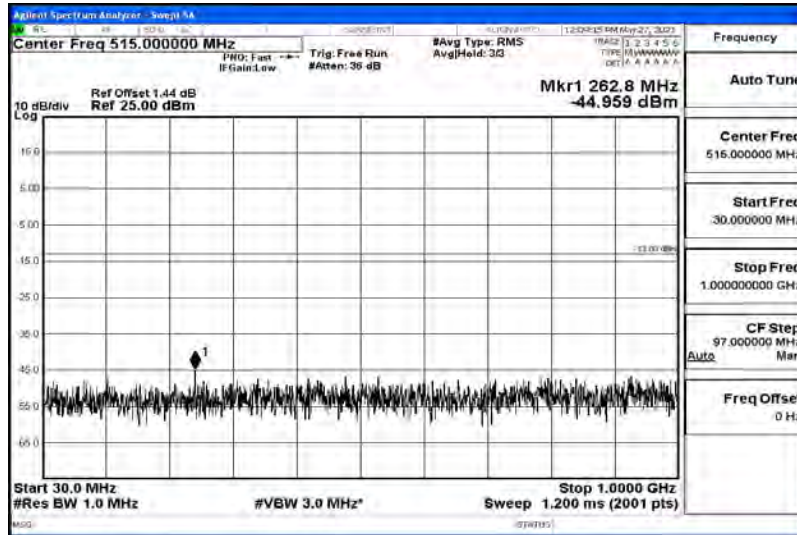
Band4-3MHz-16QAM-19965-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-16QAM-19965-1RB#0-Range2:0.15~30MHz



Band4-3MHz-16QAM-19965-1RB#0-Range3:30~1000MHz



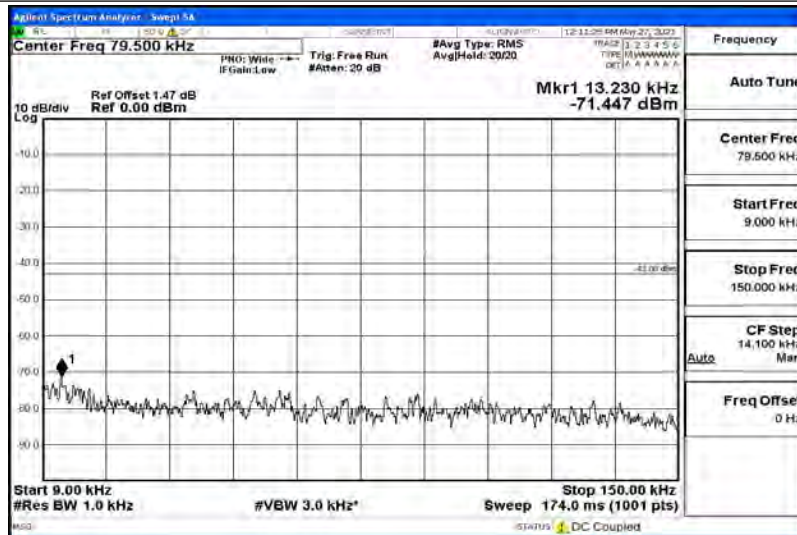
Band4-3MHz-16QAM-19965-1RB#0-Range4:1000~10000MHz



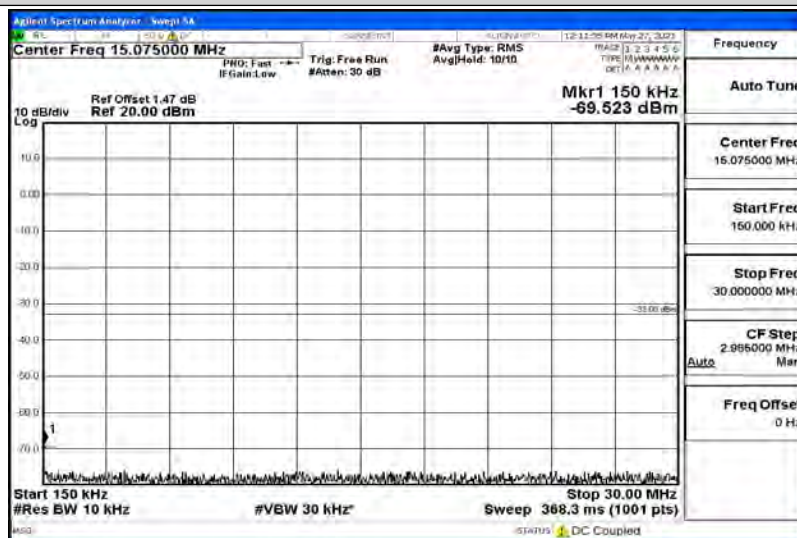
Band4-3MHz-16QAM-19965-1RB#0-Range5:10000~20000MHz



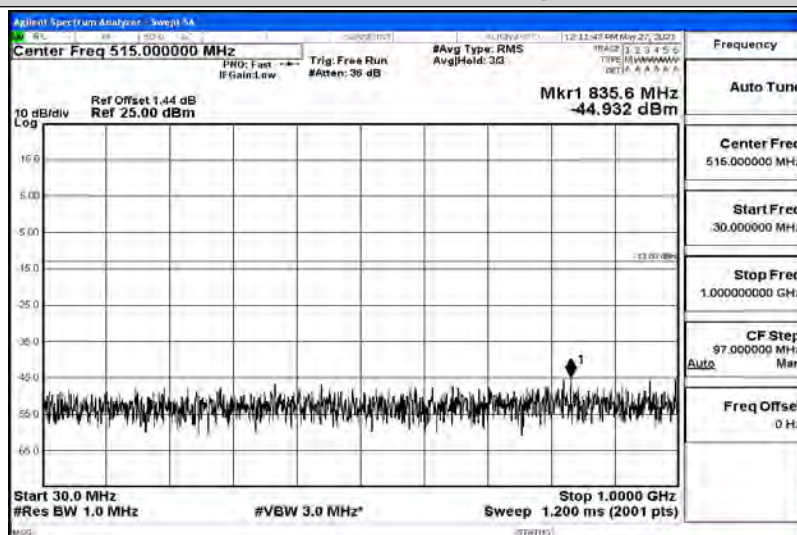
Band4-3MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



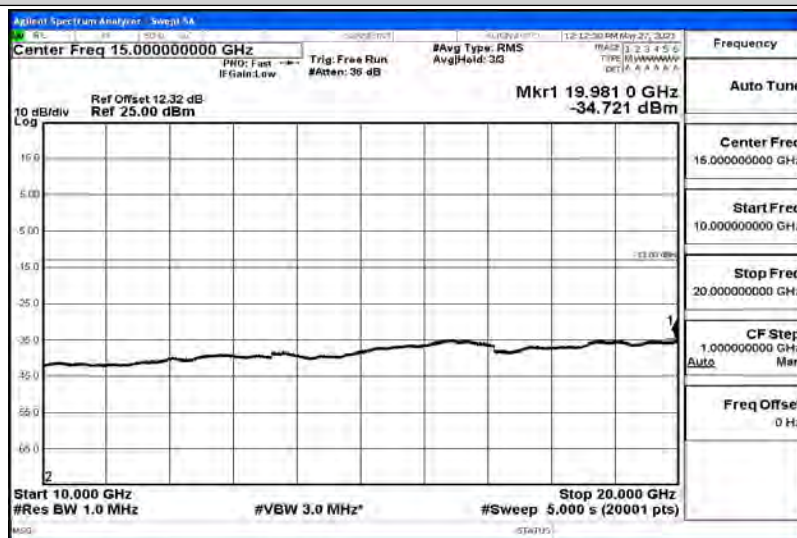
Band4-3MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



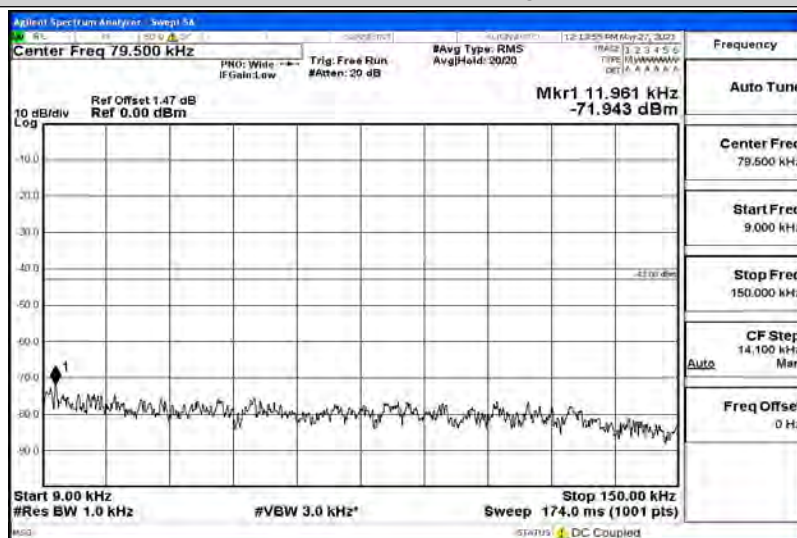
Band4-3MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



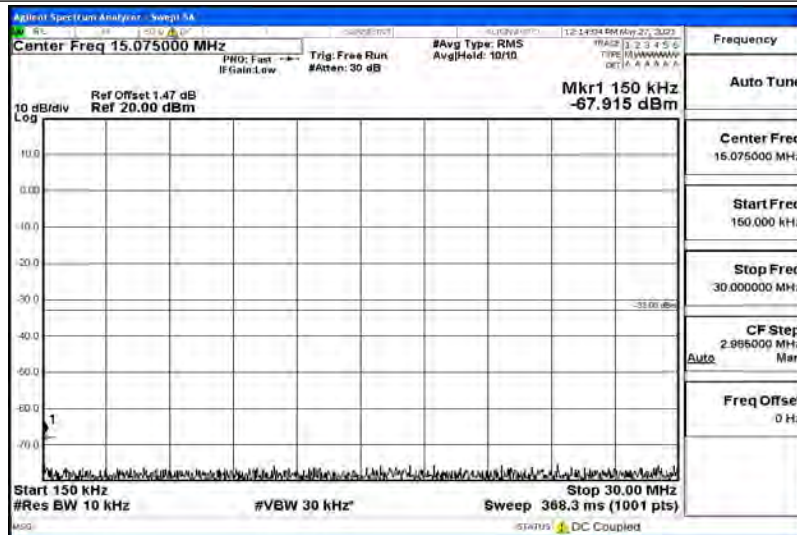
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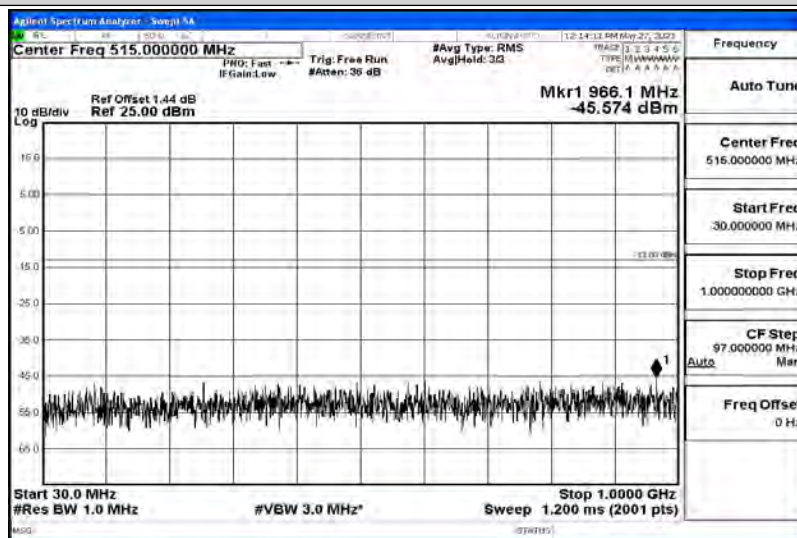
Band4-3MHz-16QAM-20385-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-16QAM-20385-1RB#0-Range2:0.15~30MHz



Band4-3MHz-16QAM-20385-1RB#0-Range3:30~1000MHz



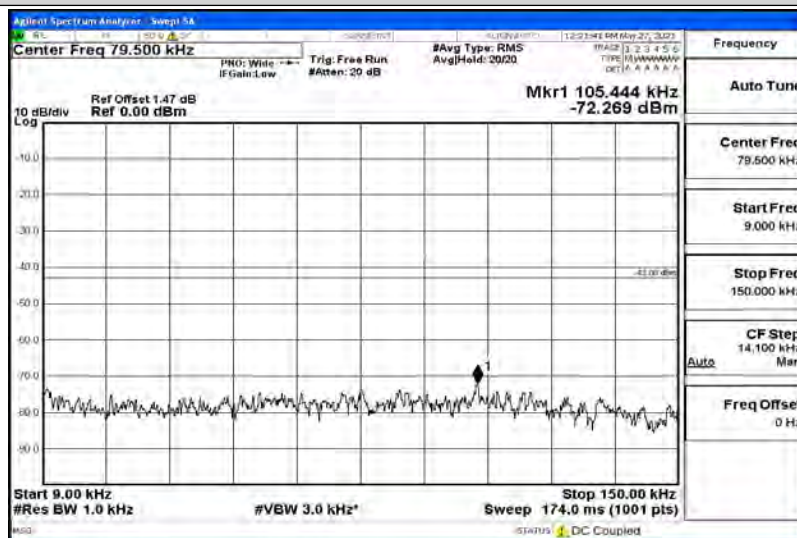
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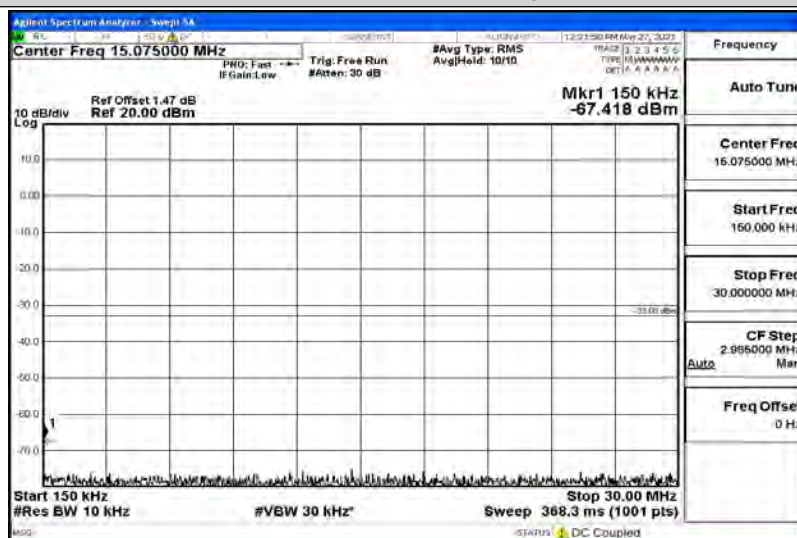
Band4-3MHz-16QAM-20385-1RB#0-Range5:10000~20000MHz



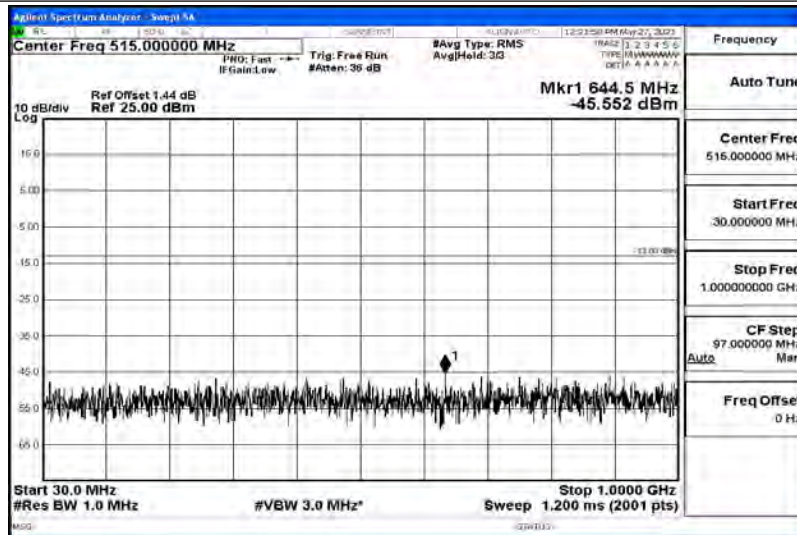
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Band4-5MHz-QPSK-19975-1RB#0-Range2:0.15~30MHz



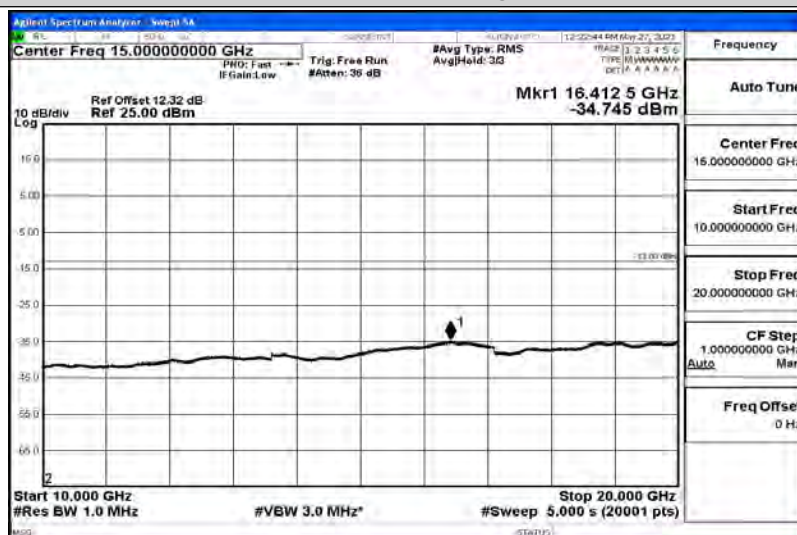
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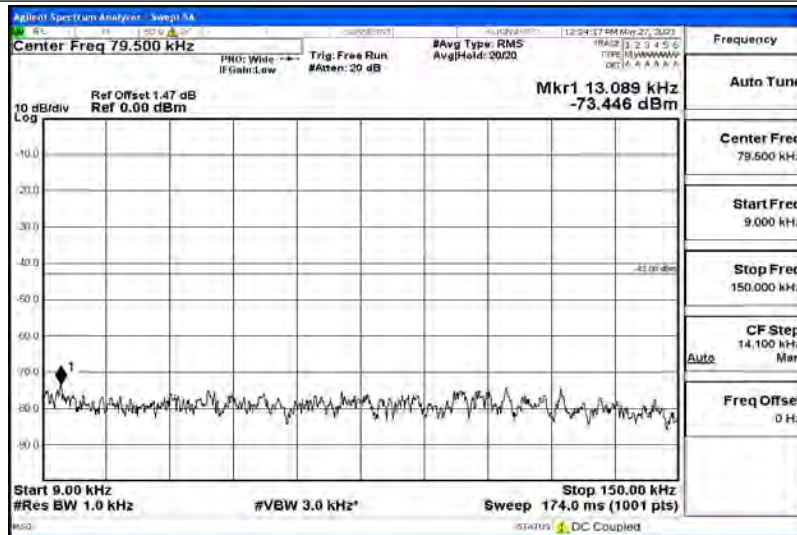
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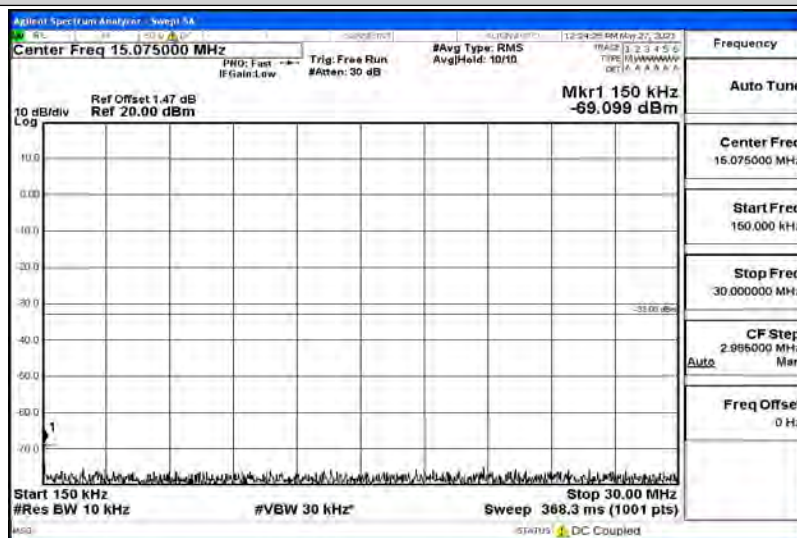
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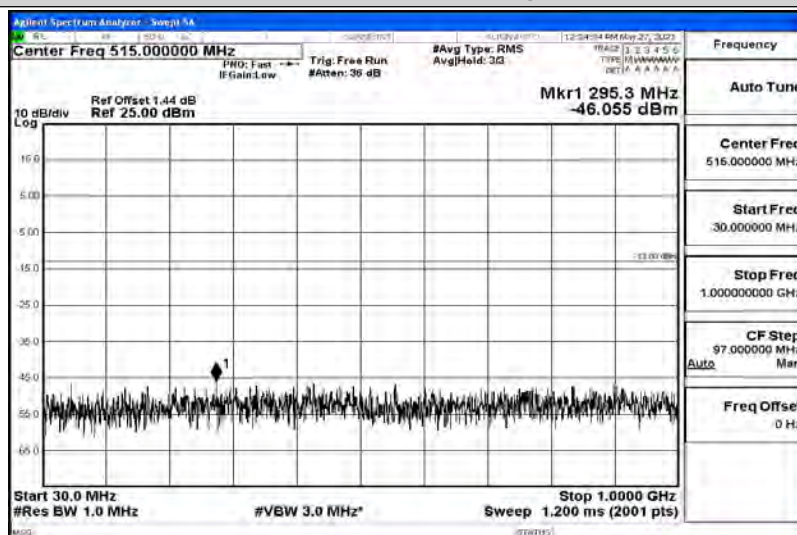
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Band4-5MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



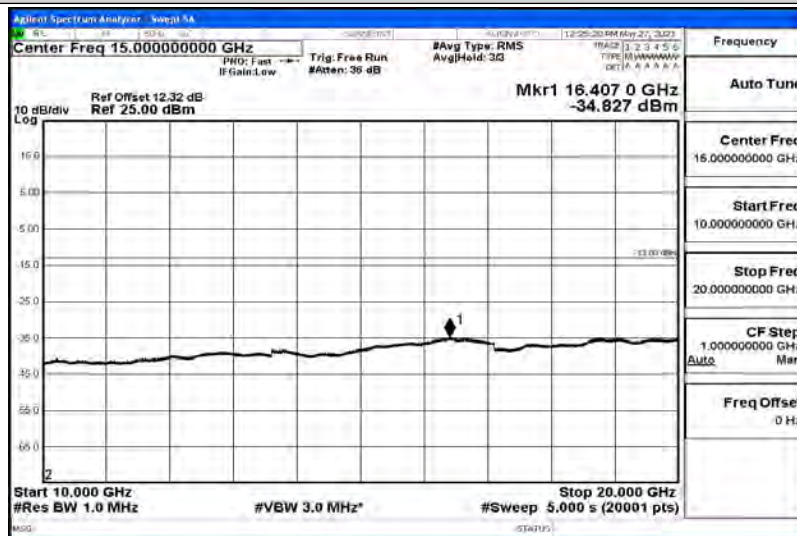
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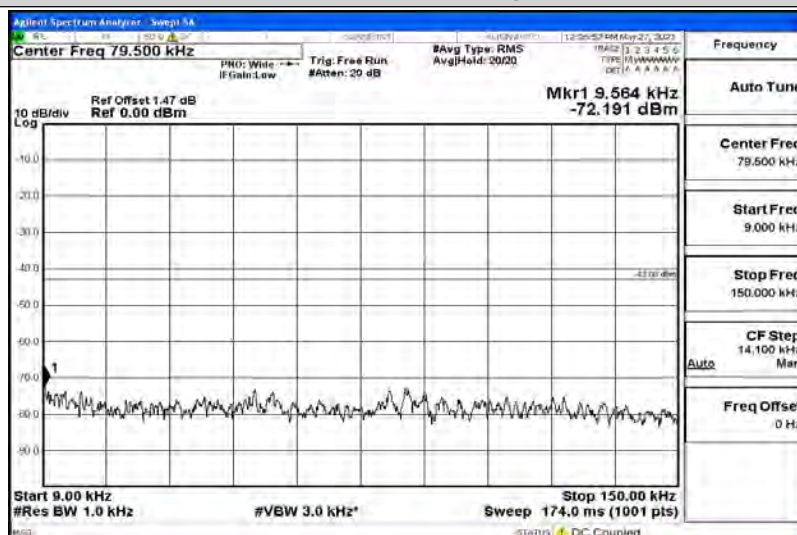
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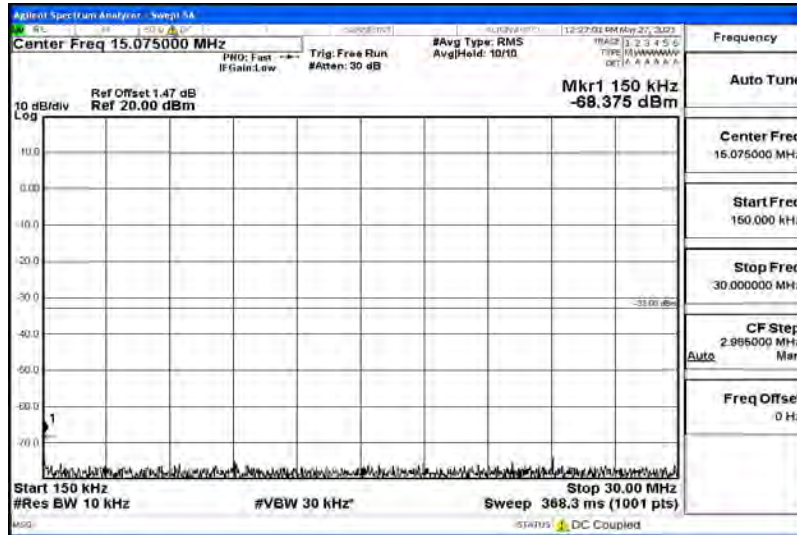
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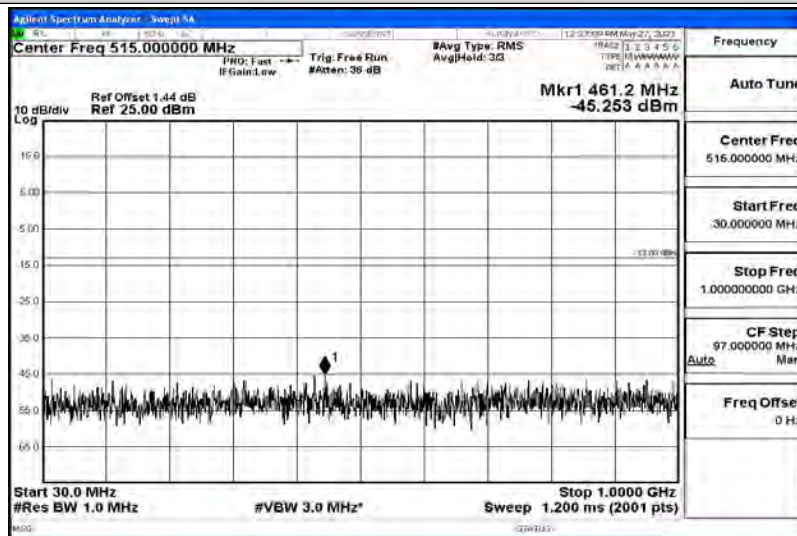
Band4-5MHz-QPSK-20375-1RB#0-Range1:0.009~0.15MHz



Band4-5MHz-QPSK-20375-1RB#0-Range2:0.15~30MHz



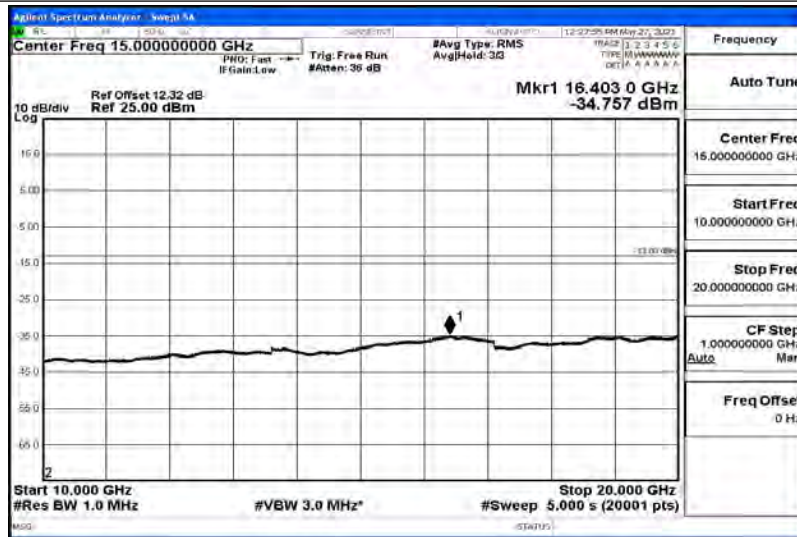
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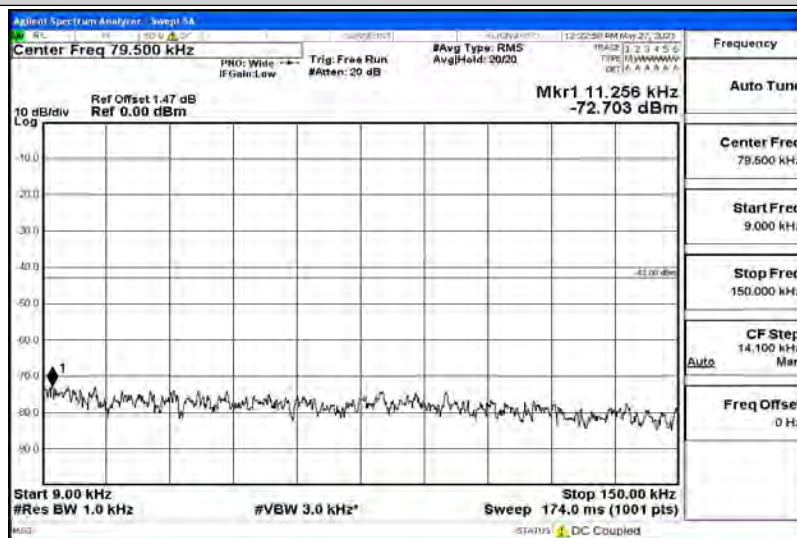
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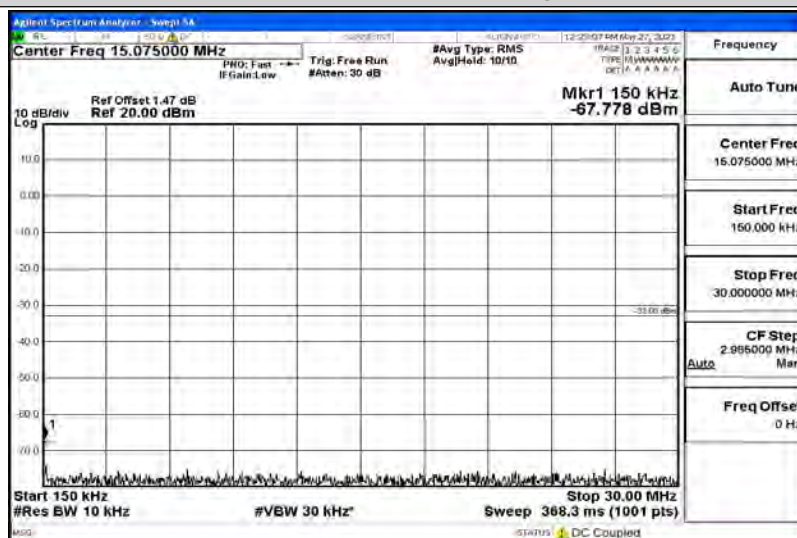
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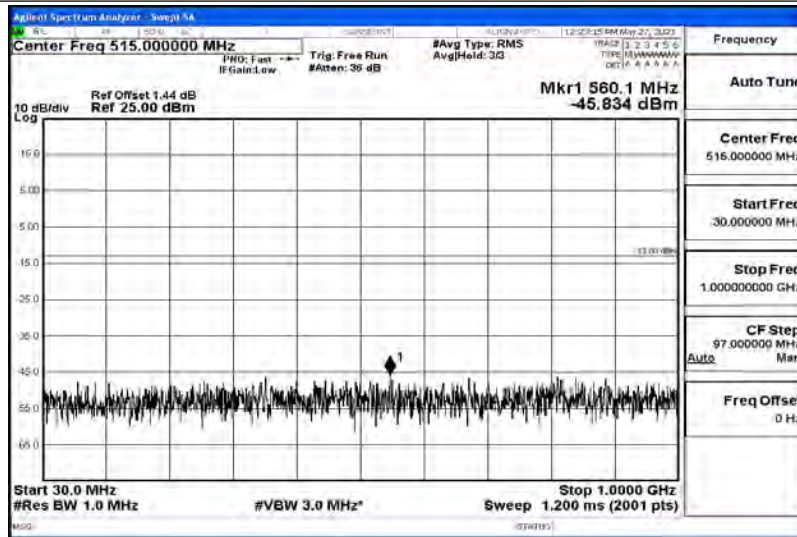
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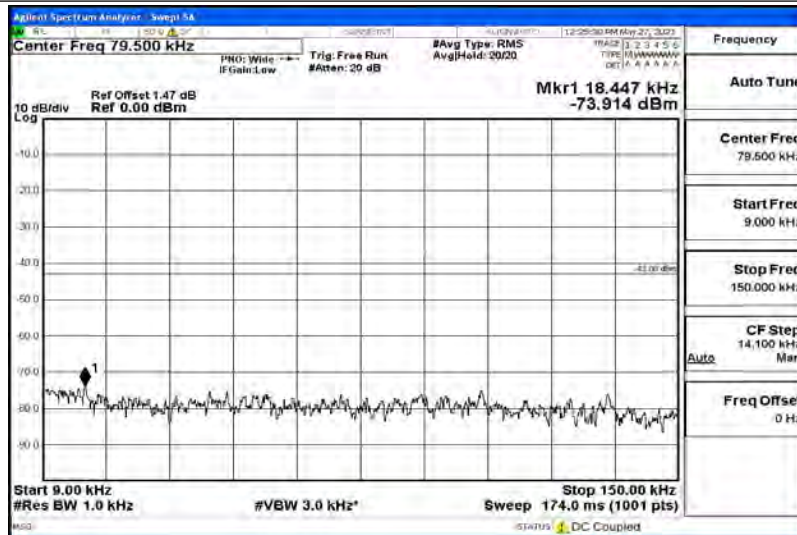
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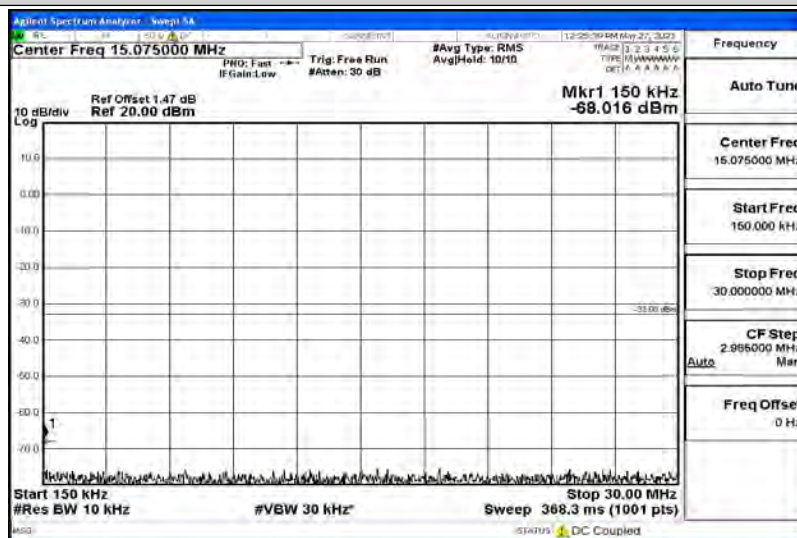
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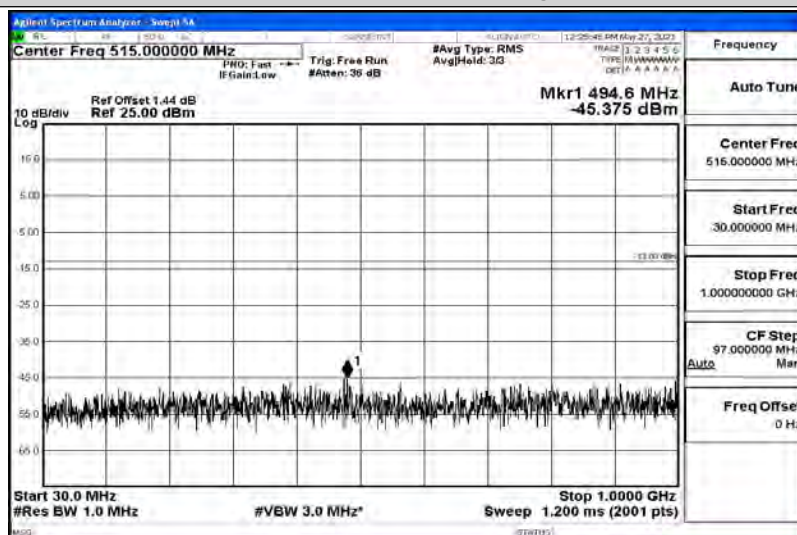
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Band4-5MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



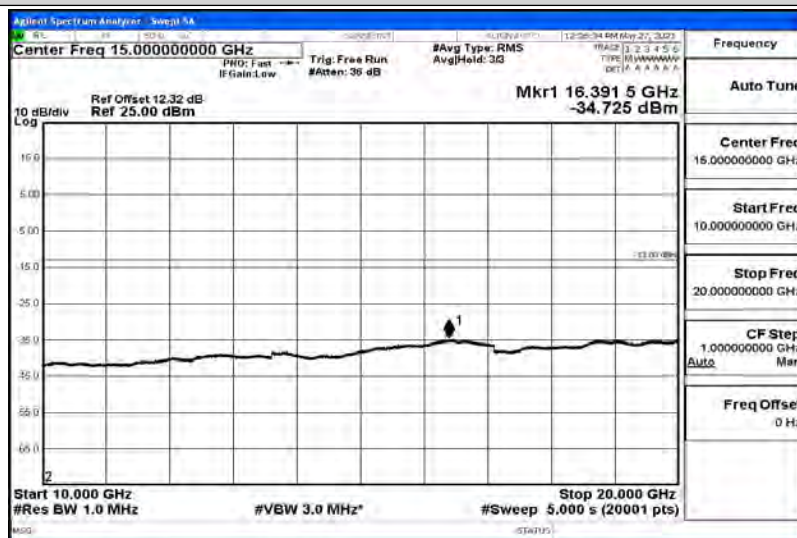
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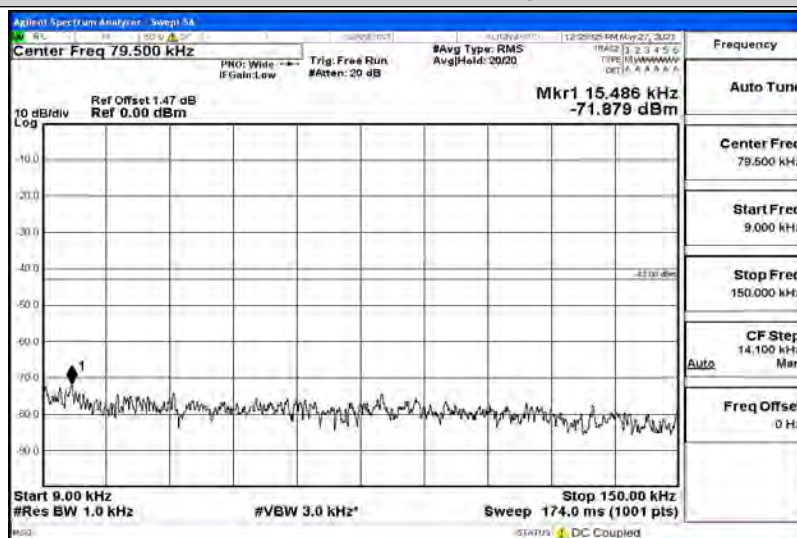
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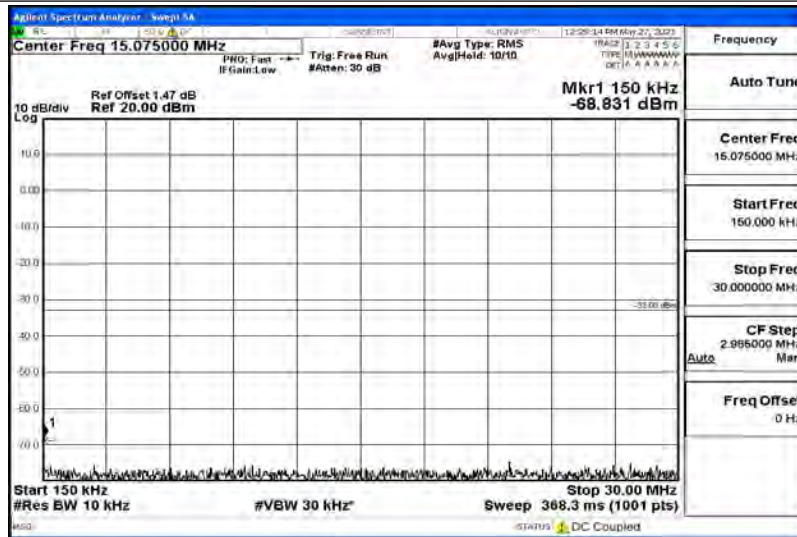
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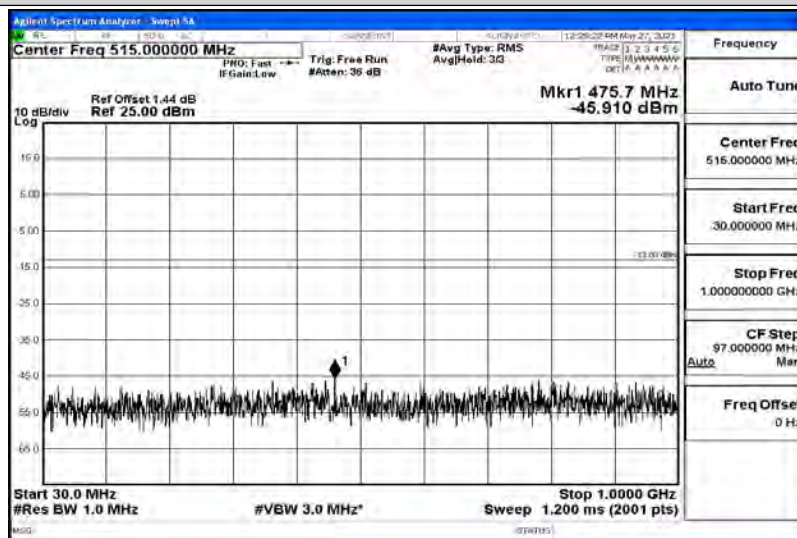
Band4-5MHz-16QAM-20375-1RB#0-Range1:0.009~0.15MHz



Band4-5MHz-16QAM-20375-1RB#0-Range2:0.15~30MHz



Band4-5MHz-16QAM-20375-1RB#0-Range3:30~1000MHz



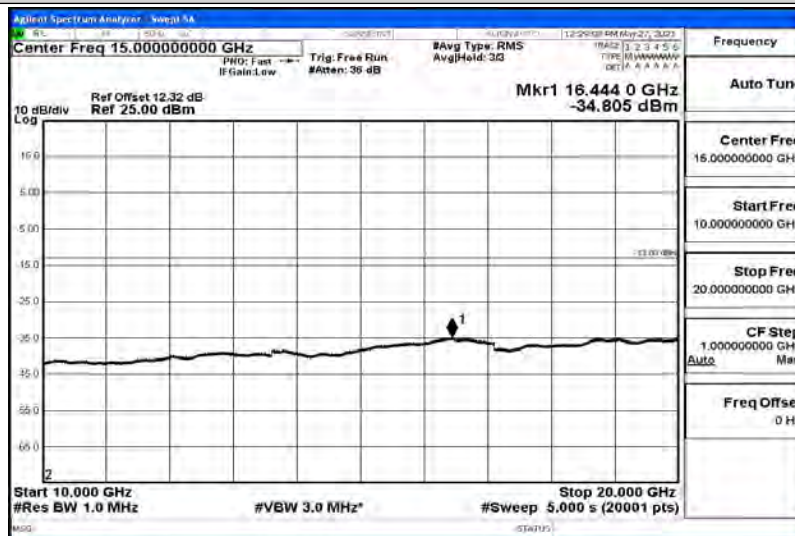
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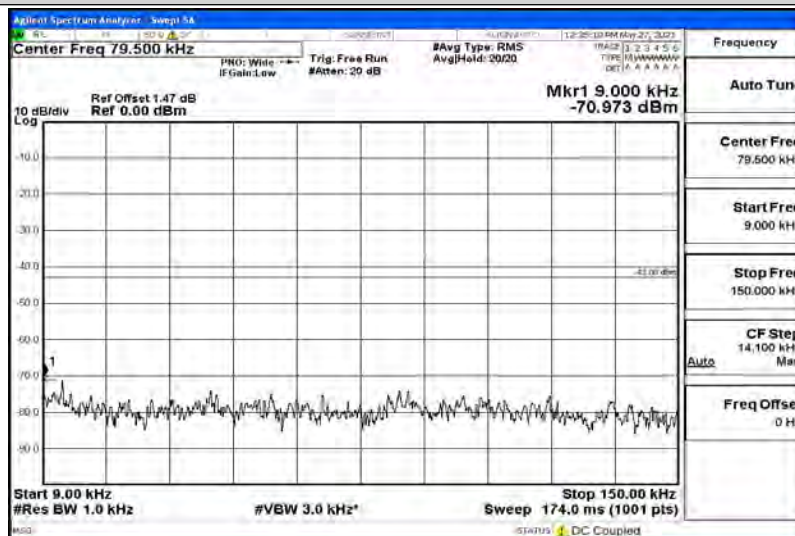
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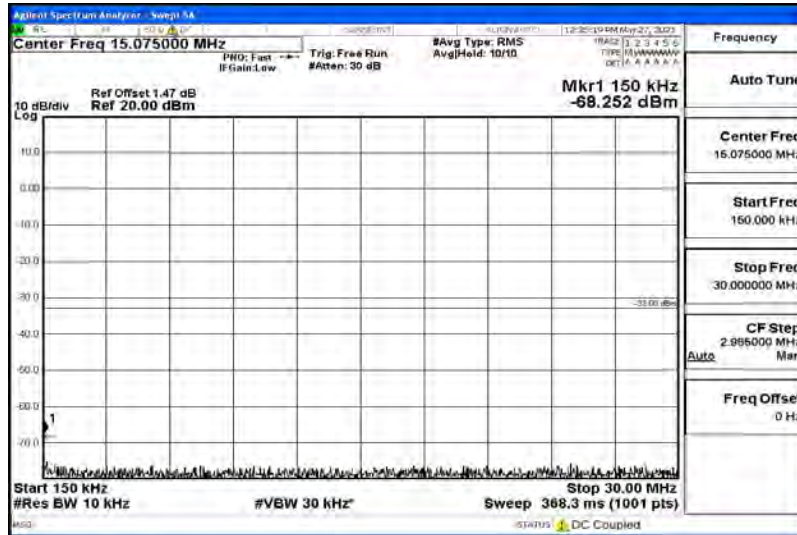
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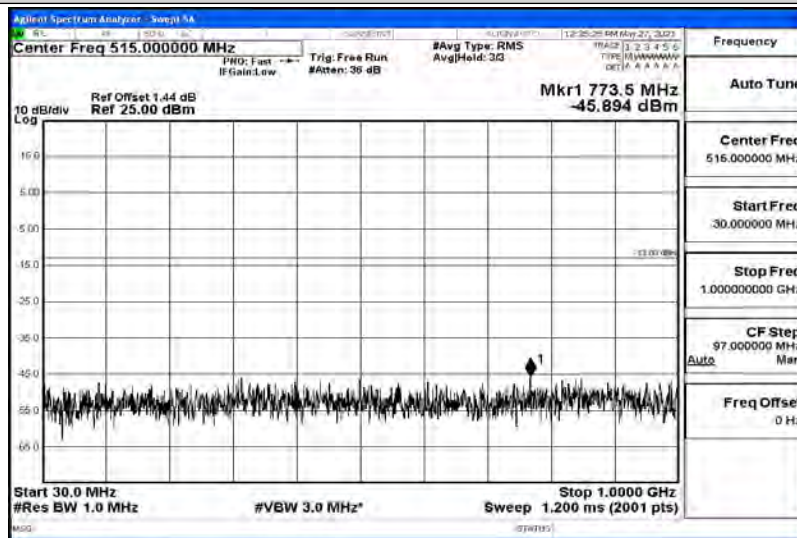
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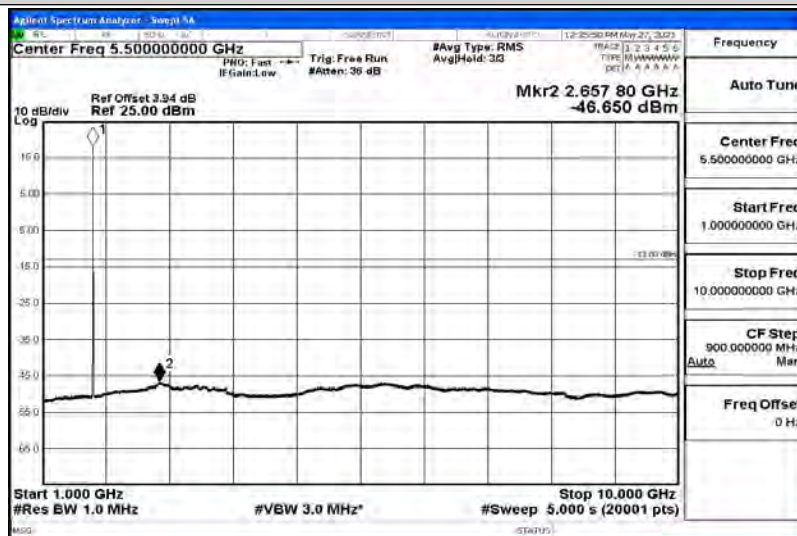
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Band4-10MHz-QPSK-20000-1RB#0-Range3:30~1000MHz



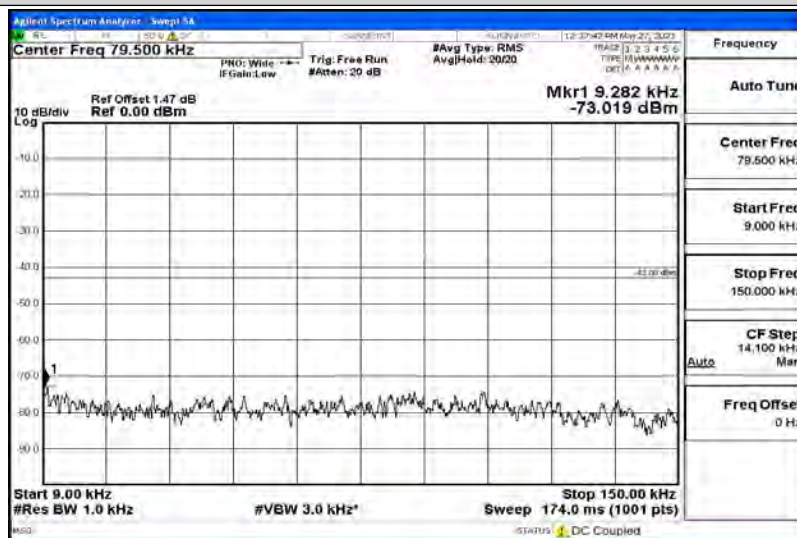
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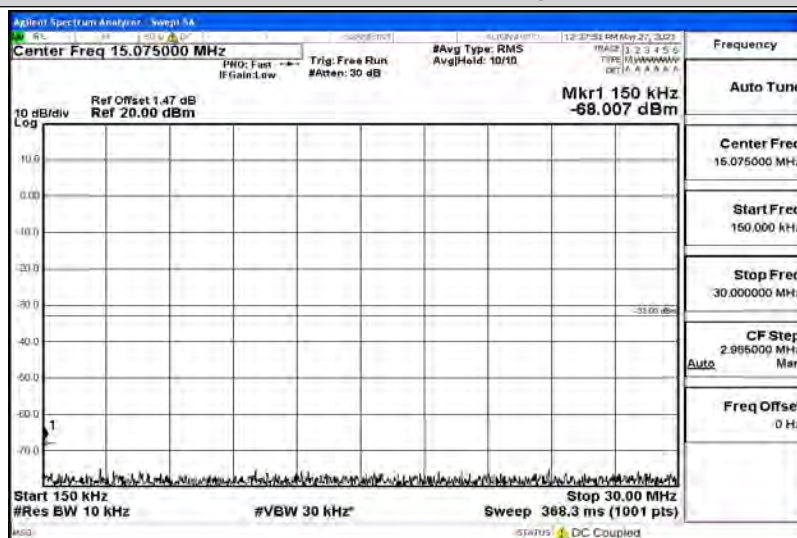
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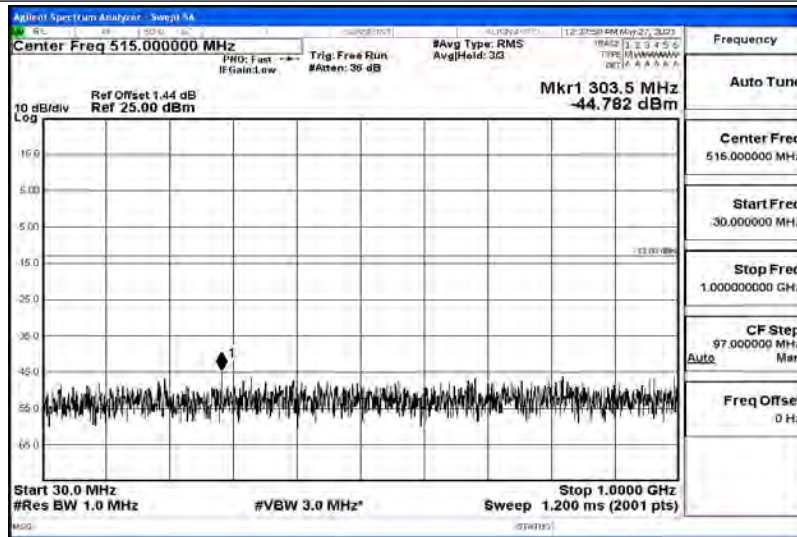
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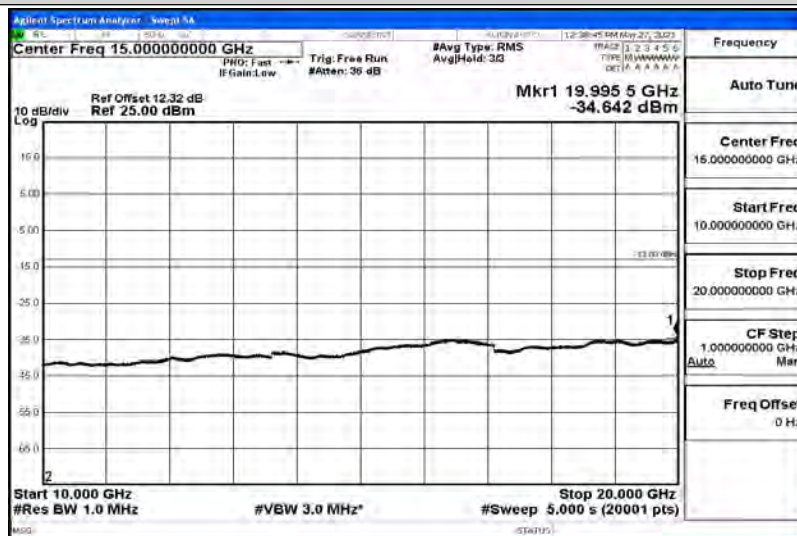
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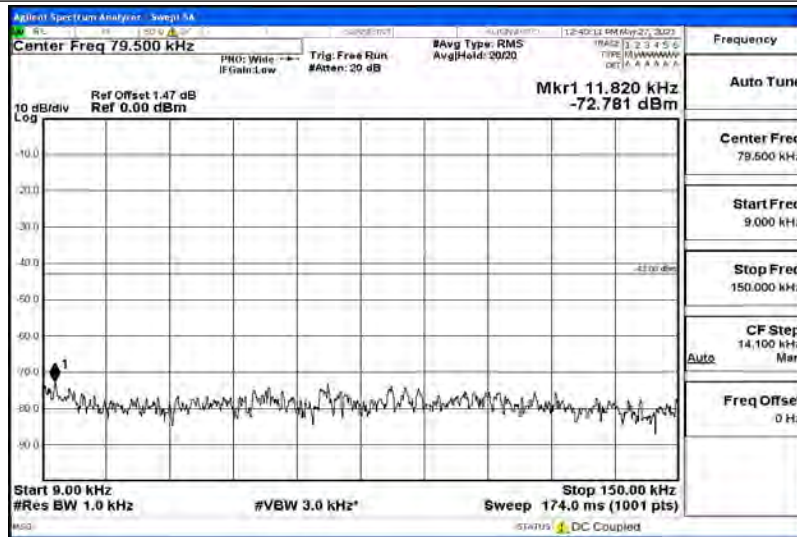
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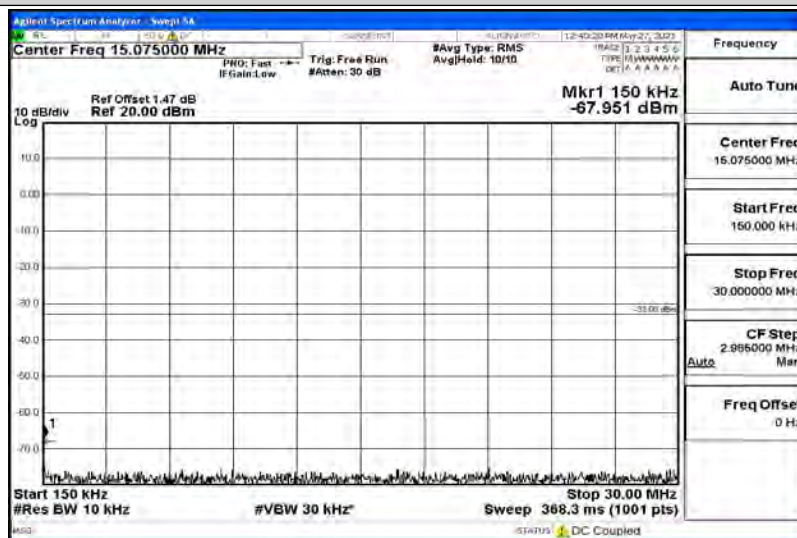
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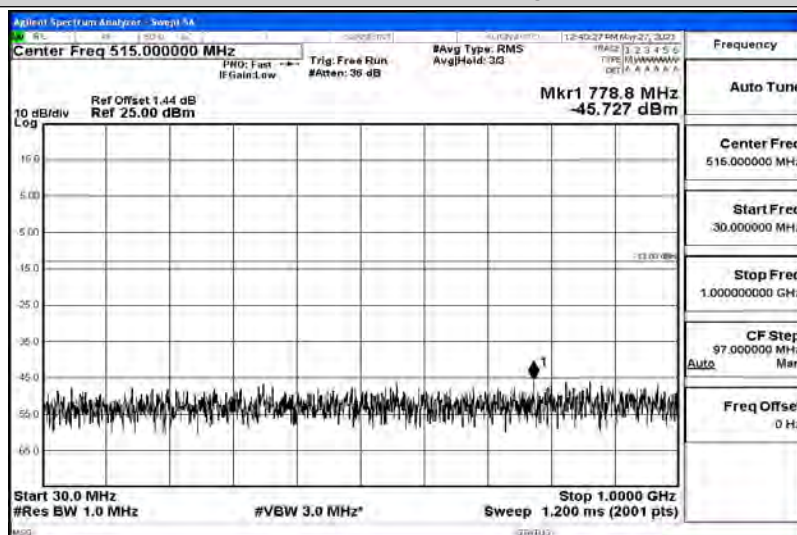
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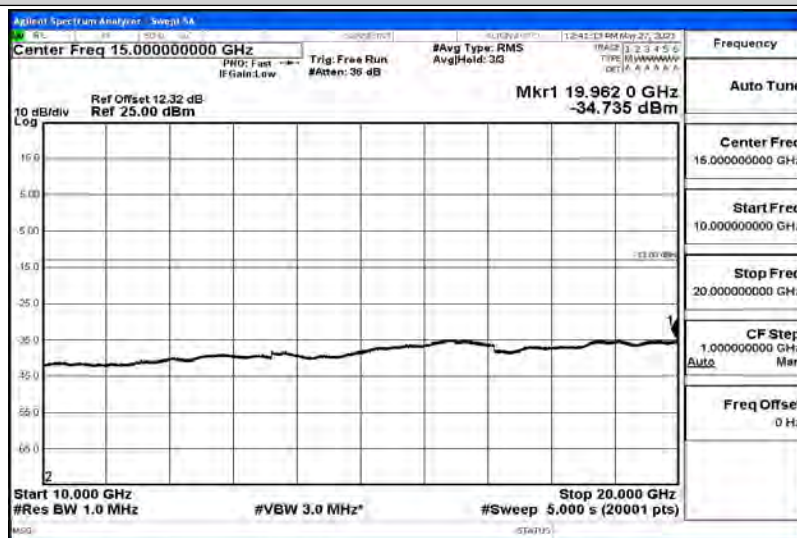
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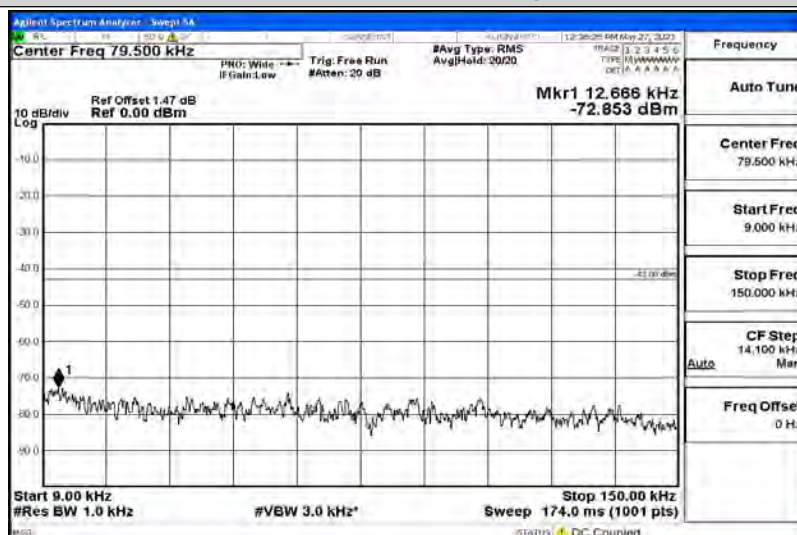
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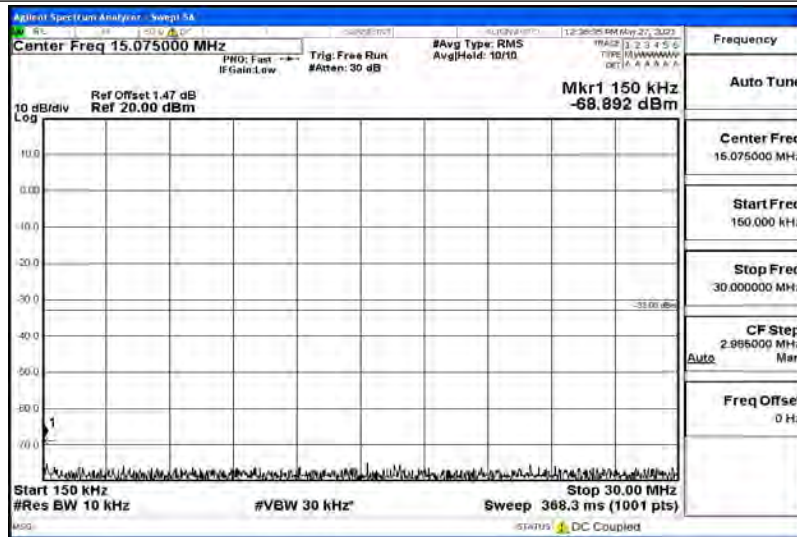
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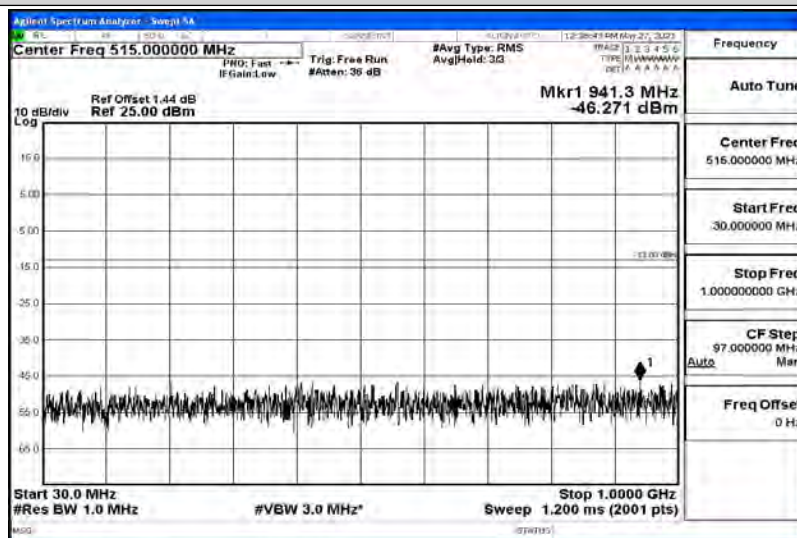
Band4-10MHz-16QAM-20000-1RB#0-Range1:0.009~0.15MHz



Band4-10MHz-16QAM-20000-1RB#0-Range2:0.15~30MHz



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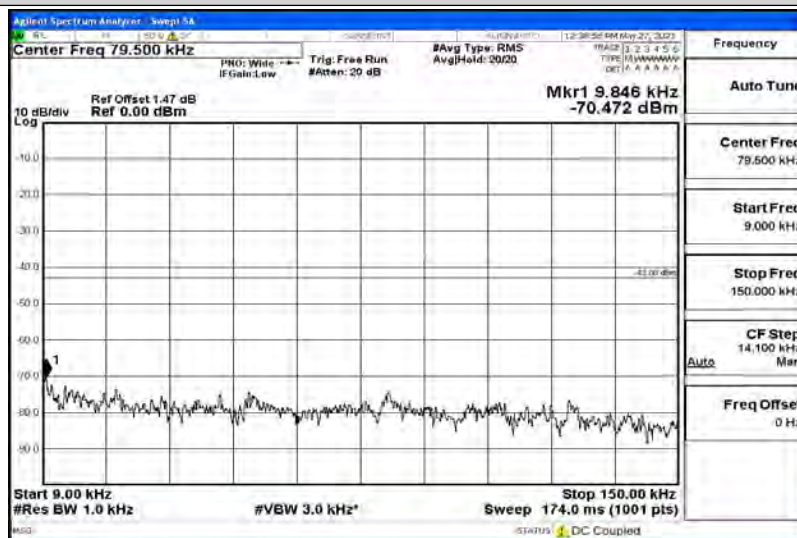
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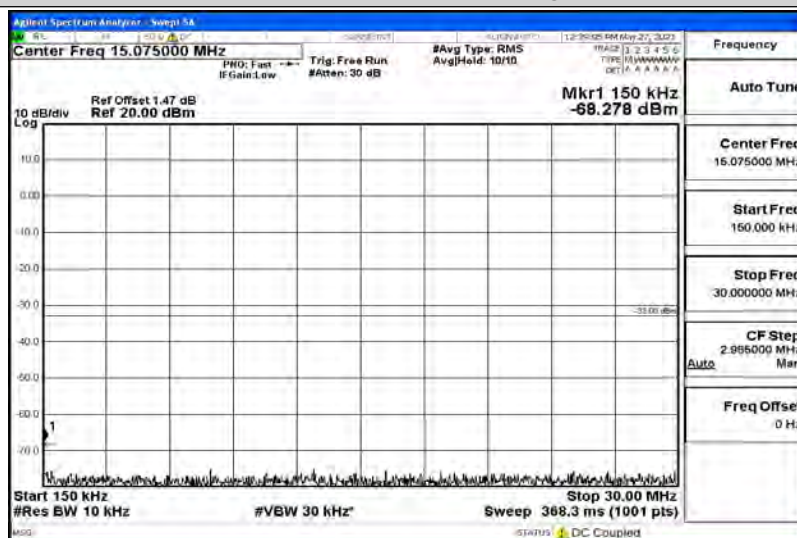
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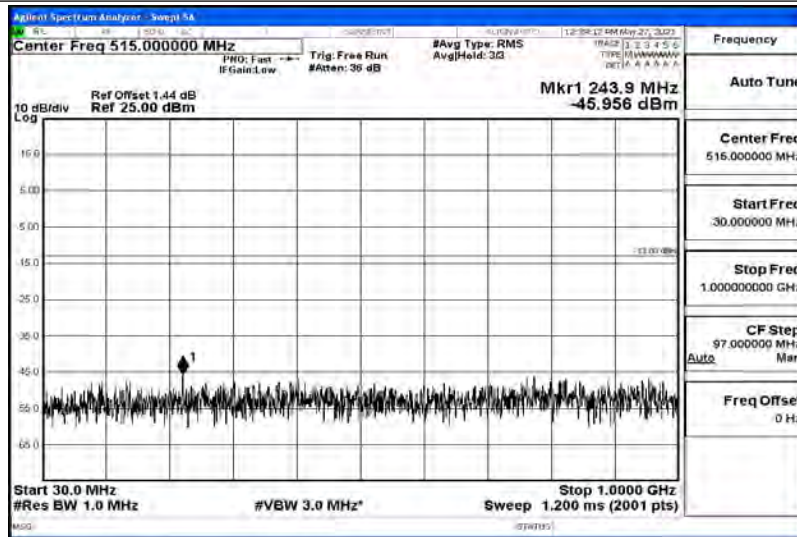
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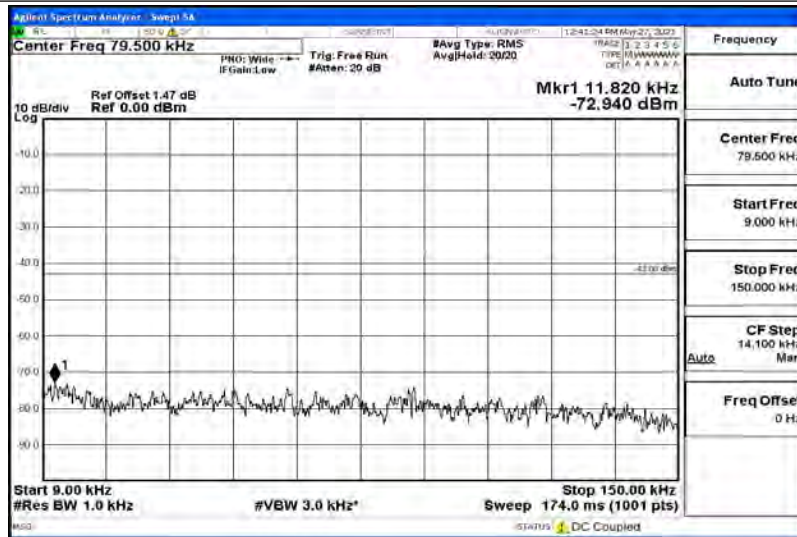
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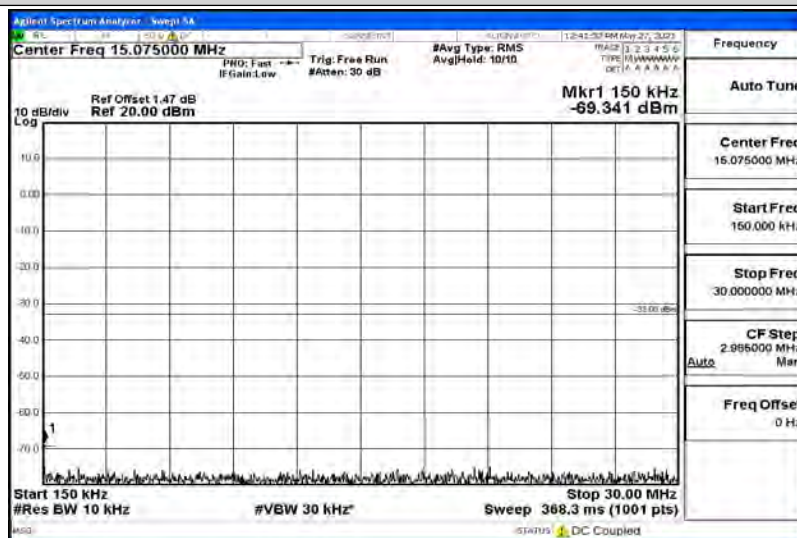
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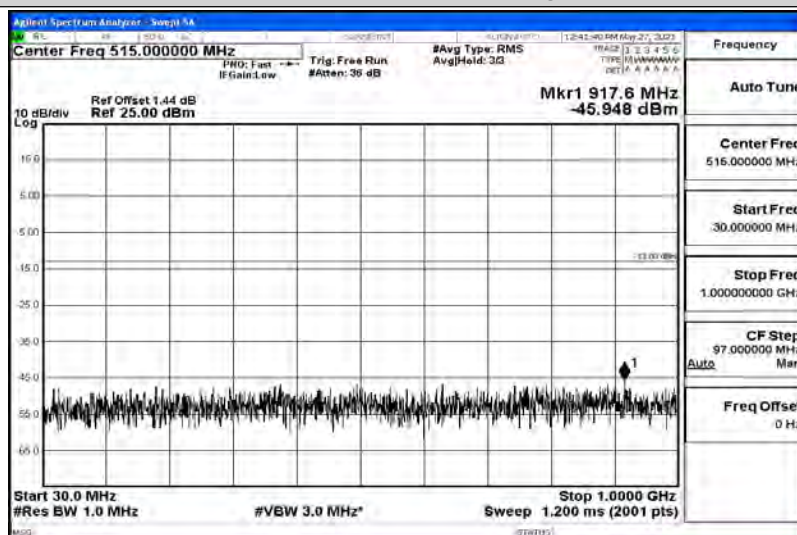
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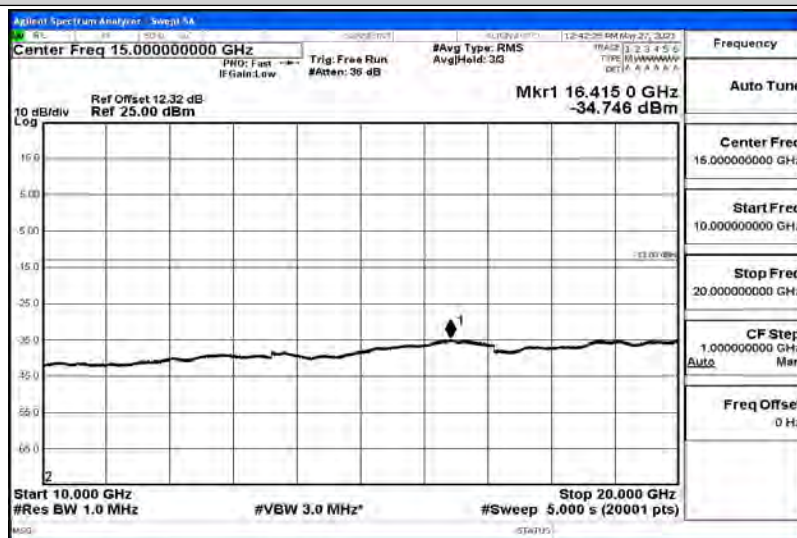
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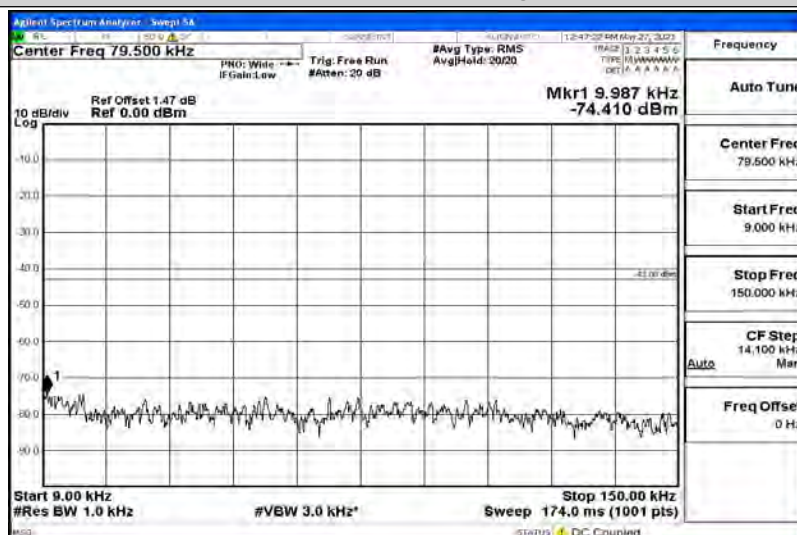
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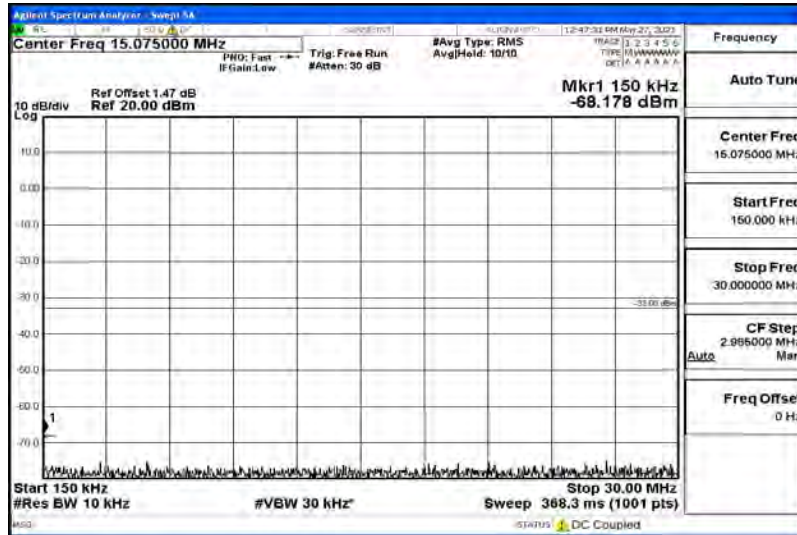
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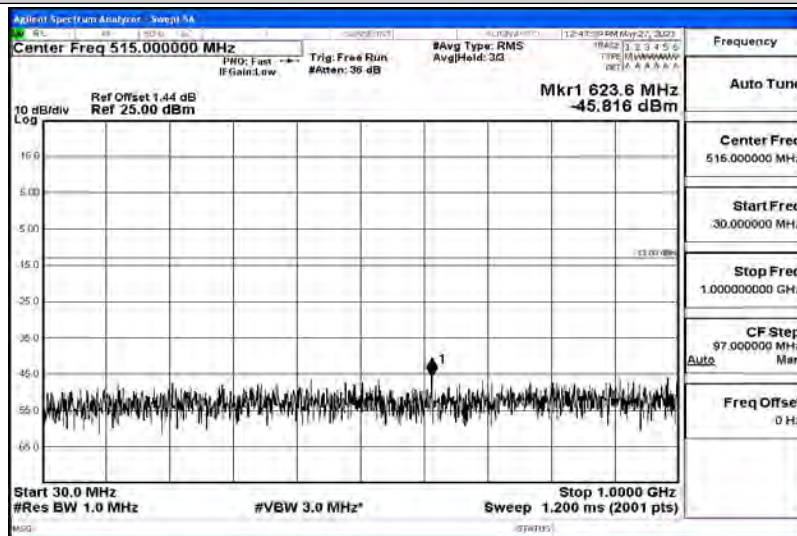
Band4-15MHz-QPSK-20025-1RB#0-Range1:0.009~0.15MHz



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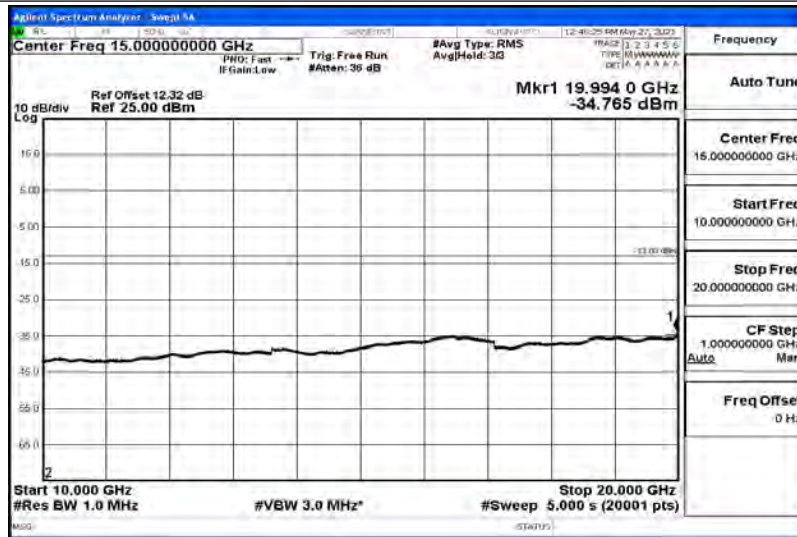
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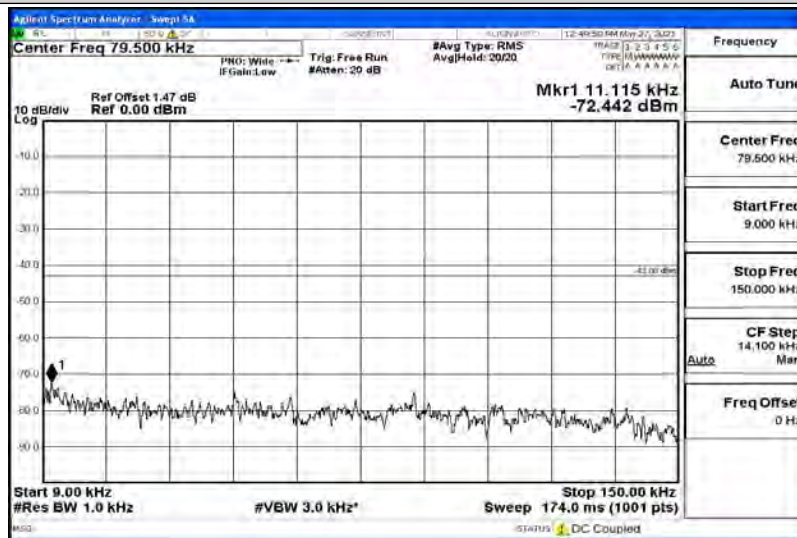
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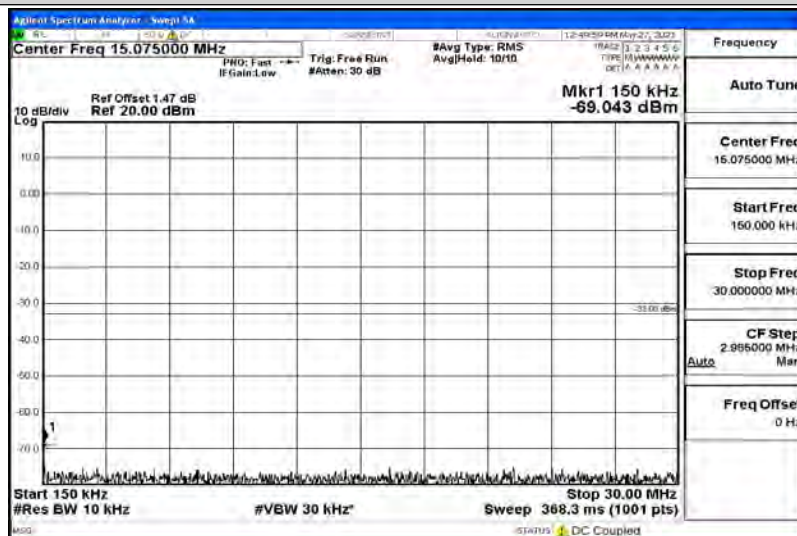
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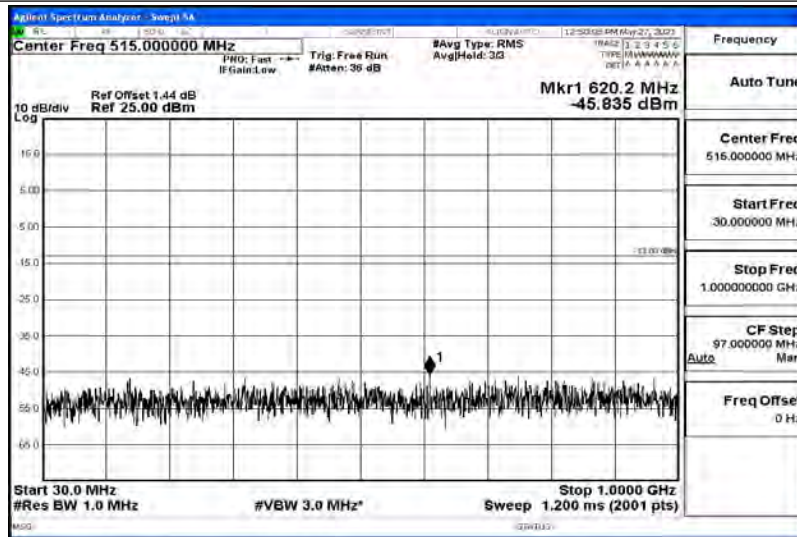
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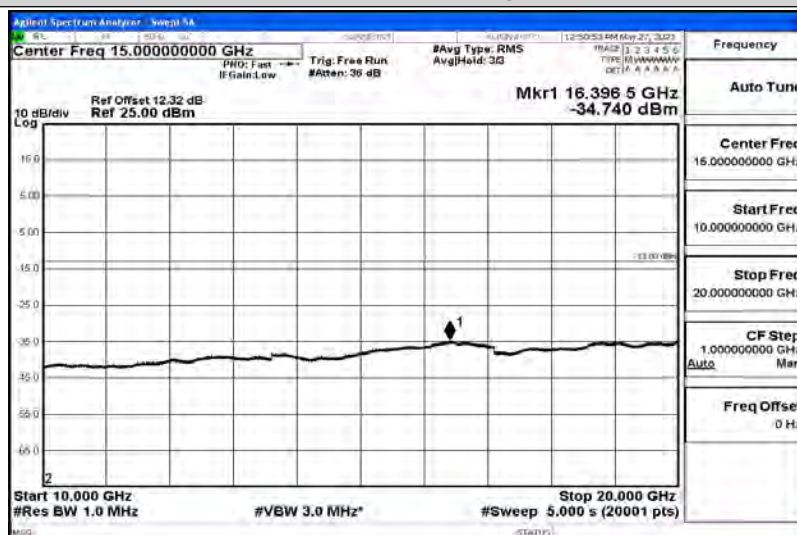
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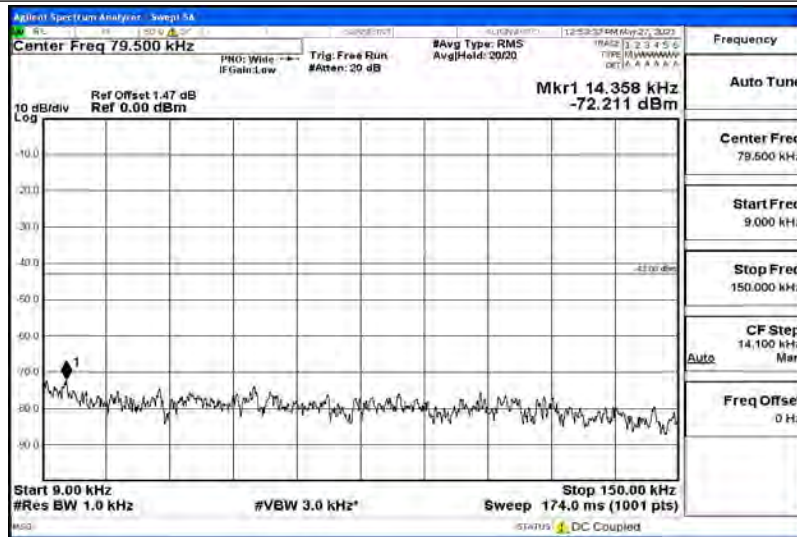
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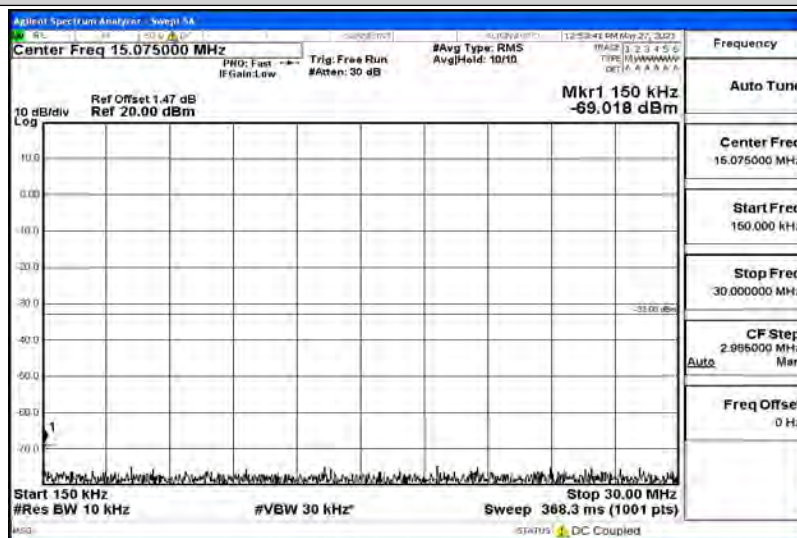
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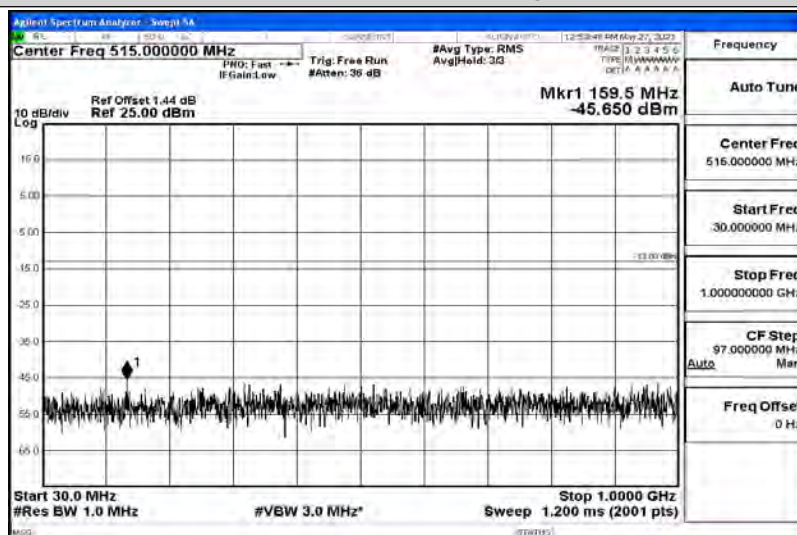
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Band4-15MHz-QPSK-20325-1RB#0-Range2:0.15~30MHz



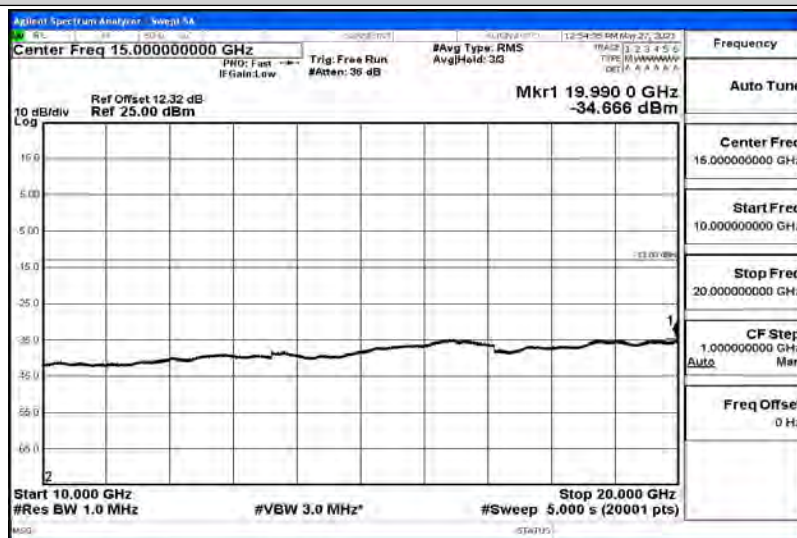
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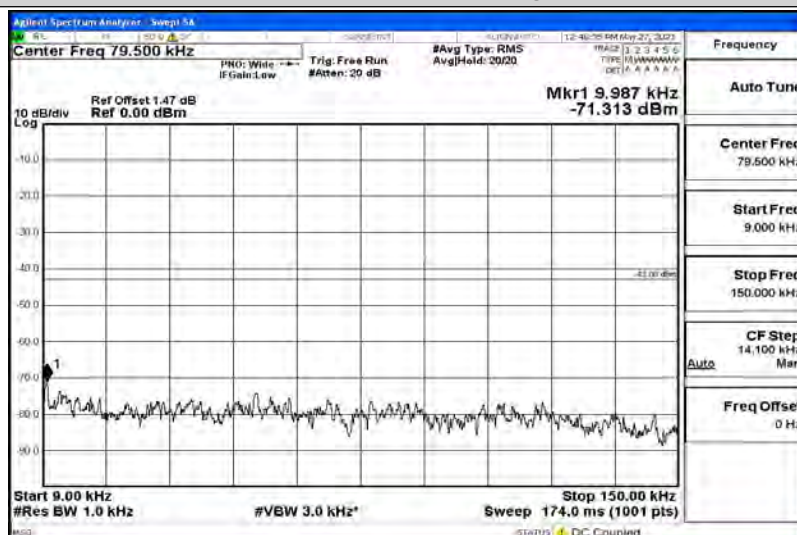
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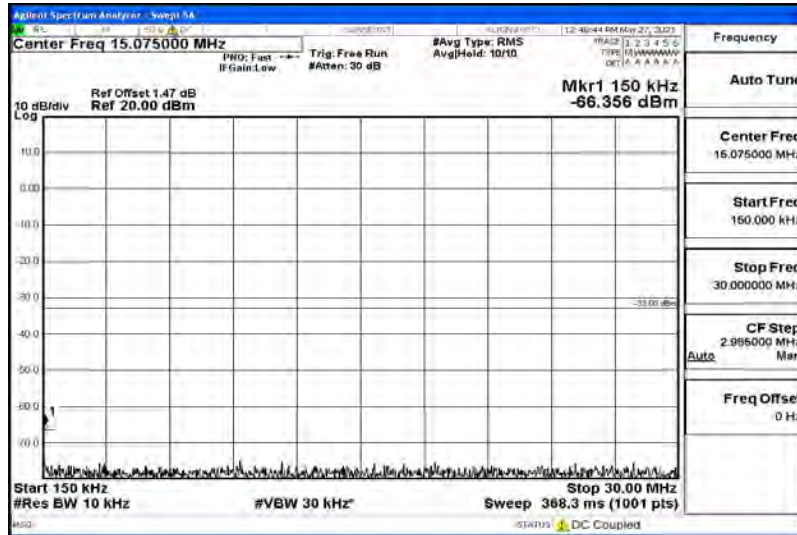
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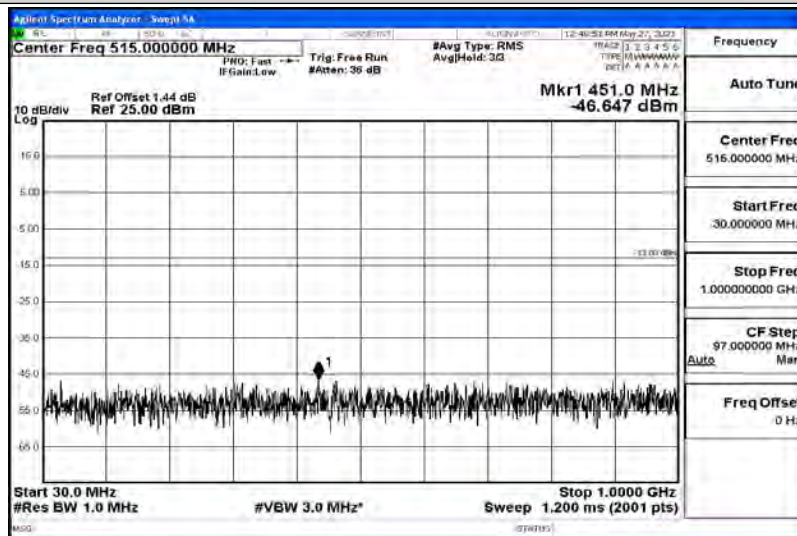
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Band4-15MHz-16QAM-20025-1RB#0-Range2:0.15~30MHz



Band4-15MHz-16QAM-20025-1RB#0-Range3:30~1000MHz



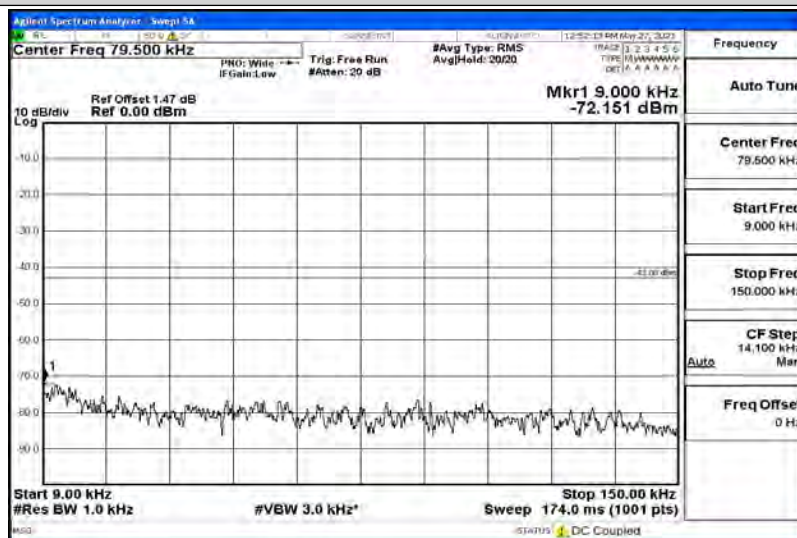
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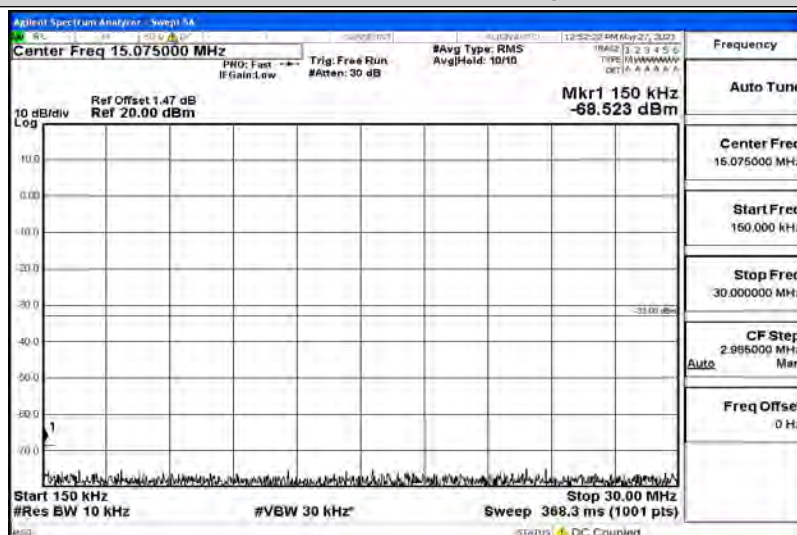
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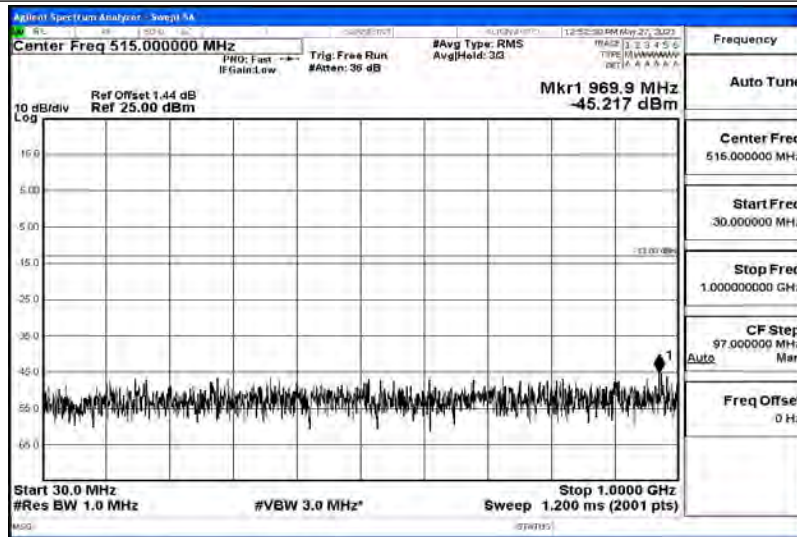
Band4-15MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



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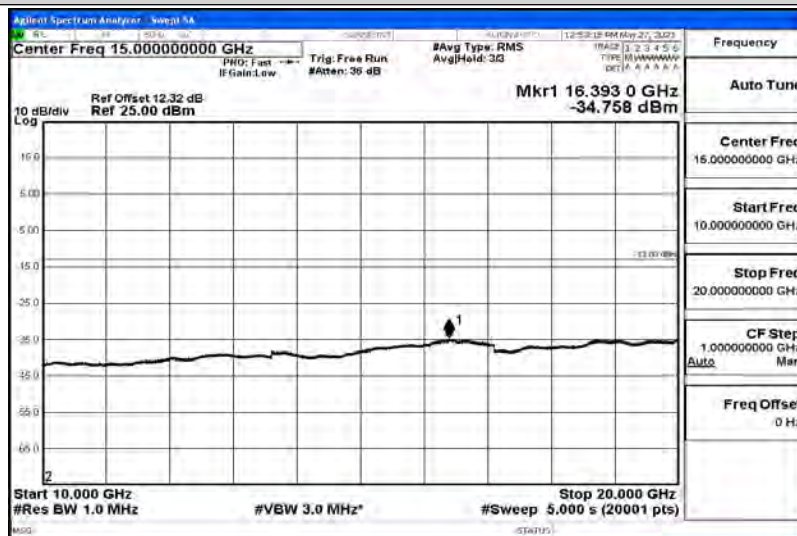
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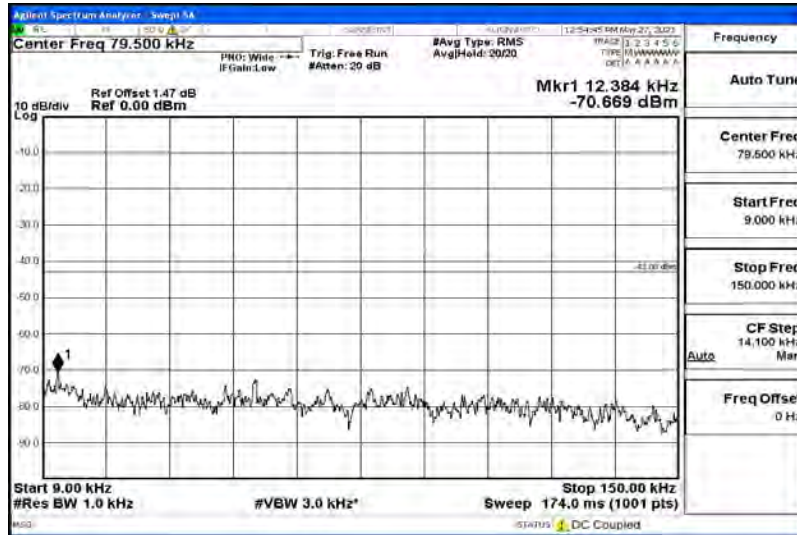
Band4-15MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



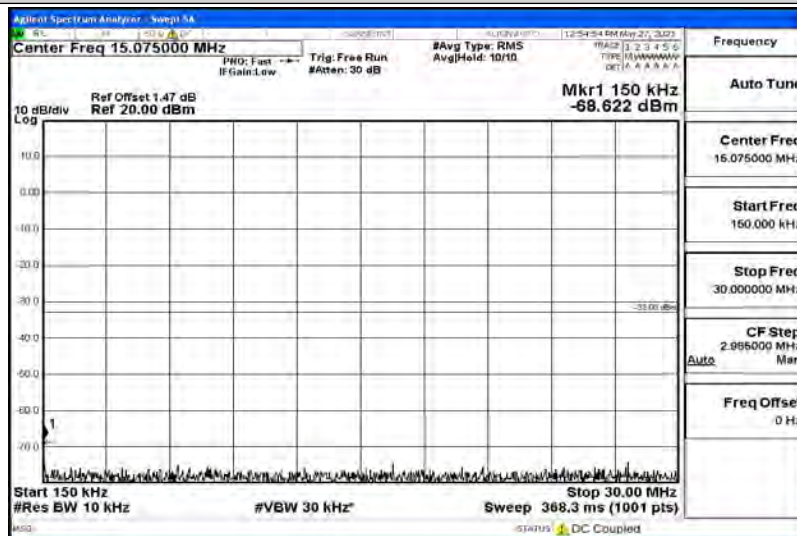
Band4-15MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz



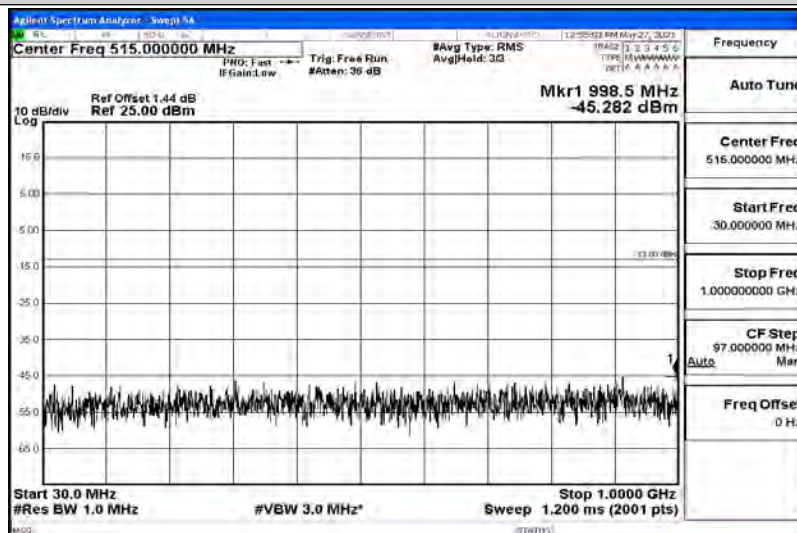
Band4-15MHz-16QAM-20325-1RB#0-Range1:0.009~0.15MHz



Band4-15MHz-16QAM-20325-1RB#0-Range2:0.15~30MHz



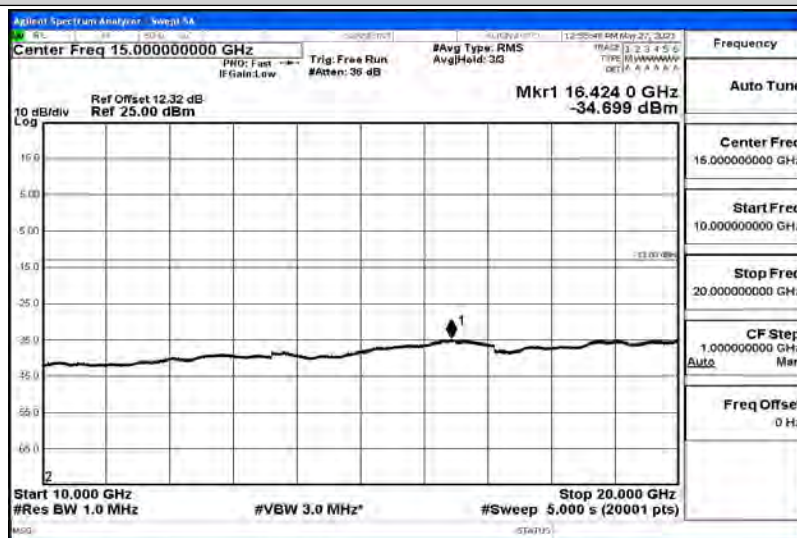
Band4-15MHz-16QAM-20325-1RB#0-Range3:30~1000MHz



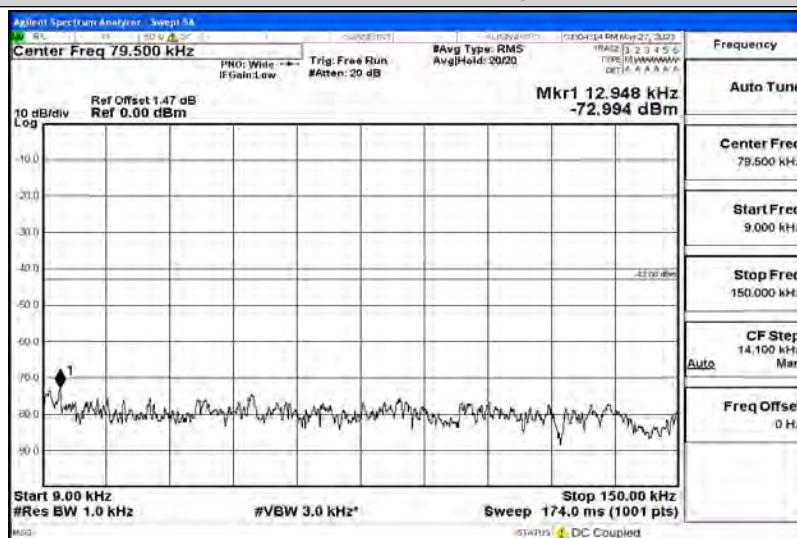
Band4-15MHz-16QAM-20325-1RB#0-Range4:1000~10000MHz



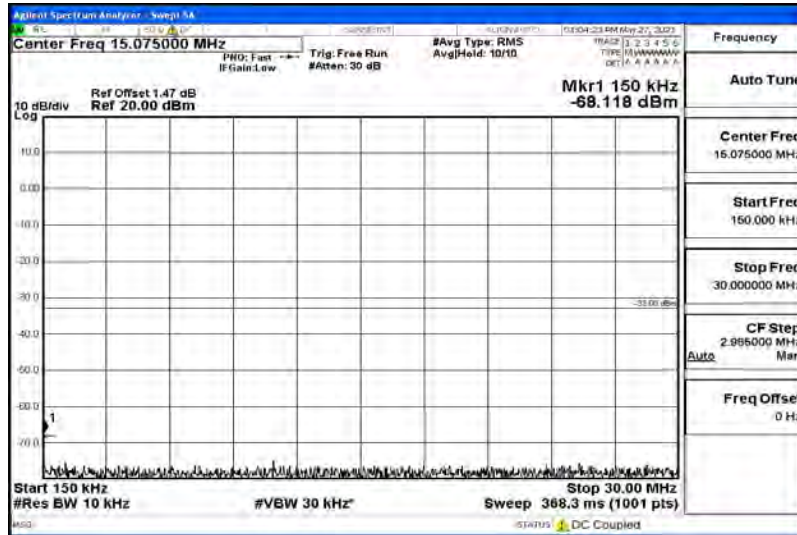
Band4-15MHz-16QAM-20325-1RB#0-Range5:10000~20000MHz



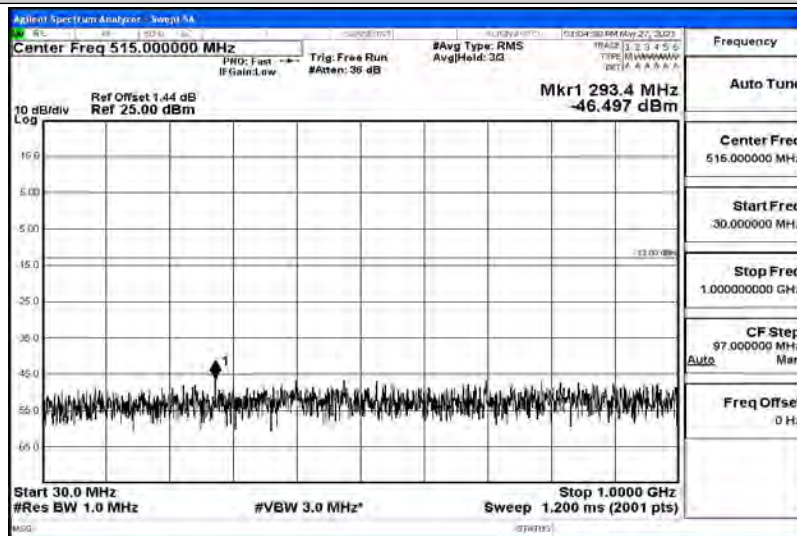
Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



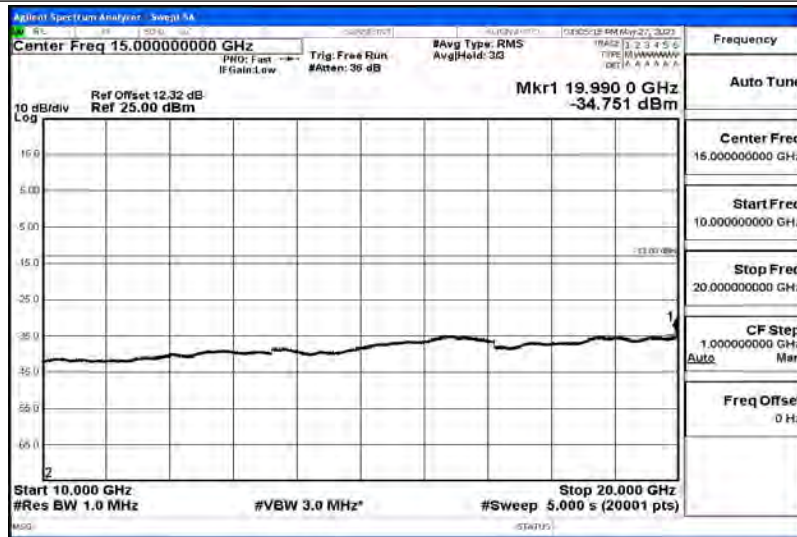
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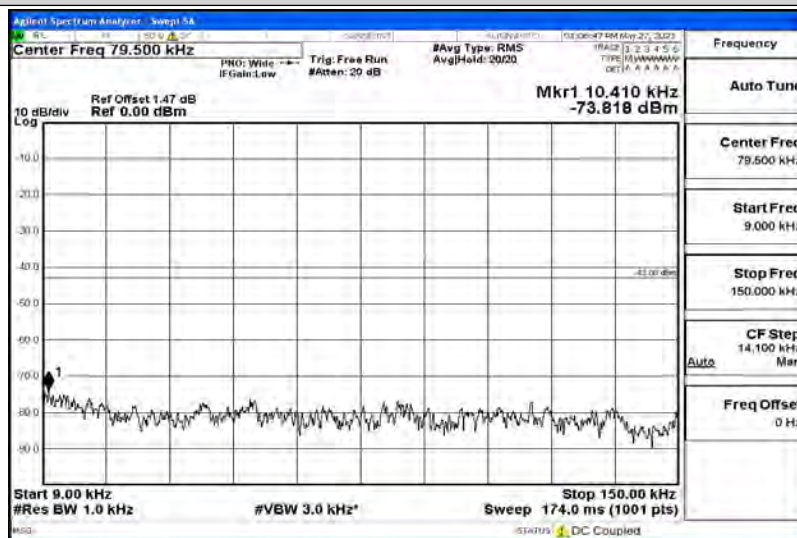
Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~10000MHz



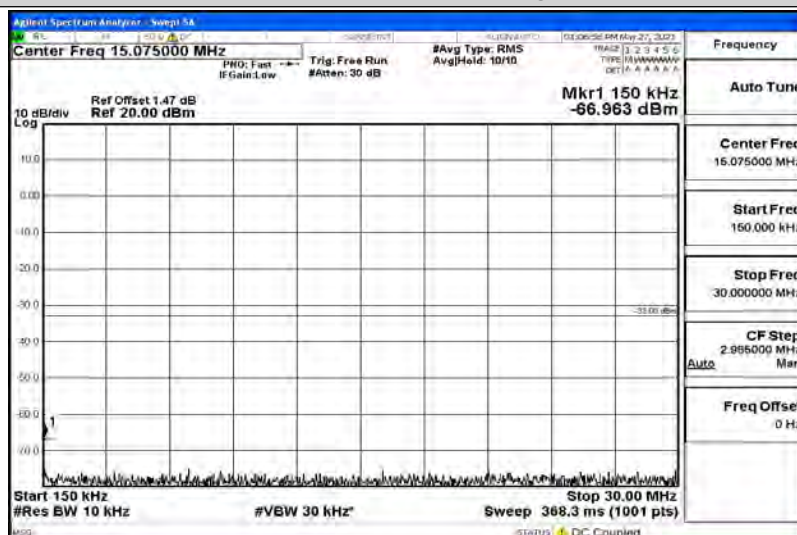
Band4-20MHz-QPSK-20050-1RB#0-Range5:10000~20000MHz



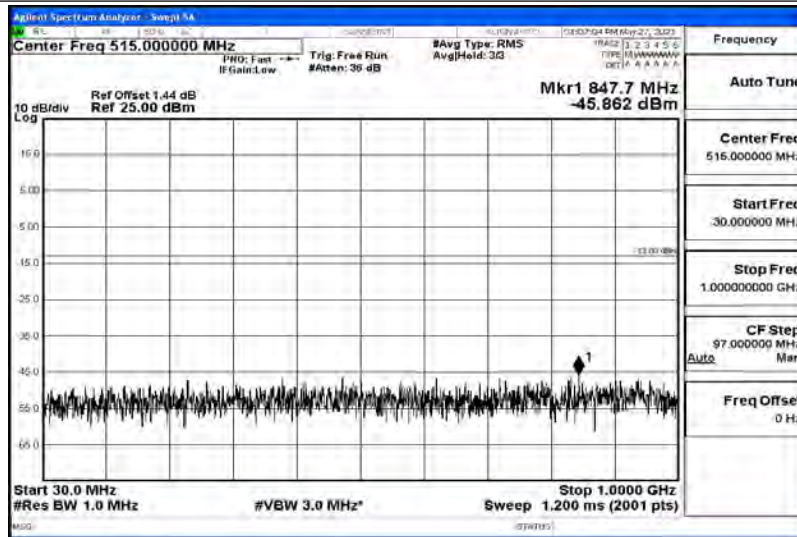
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Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



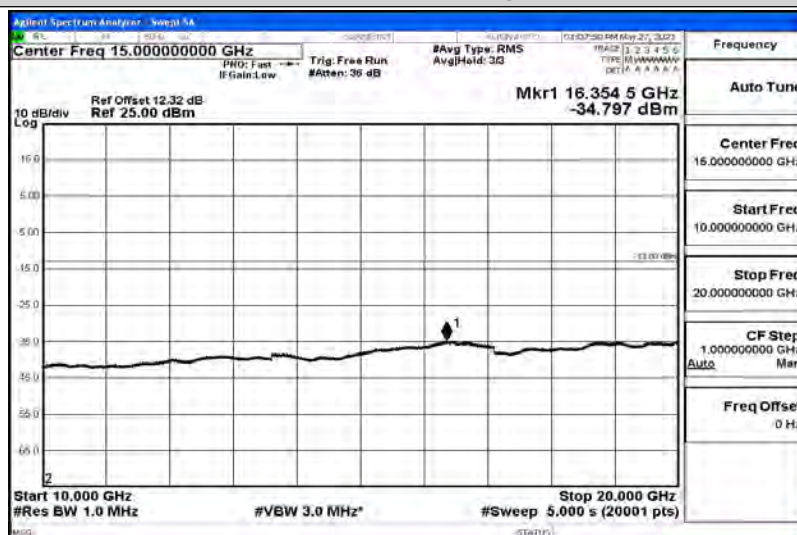
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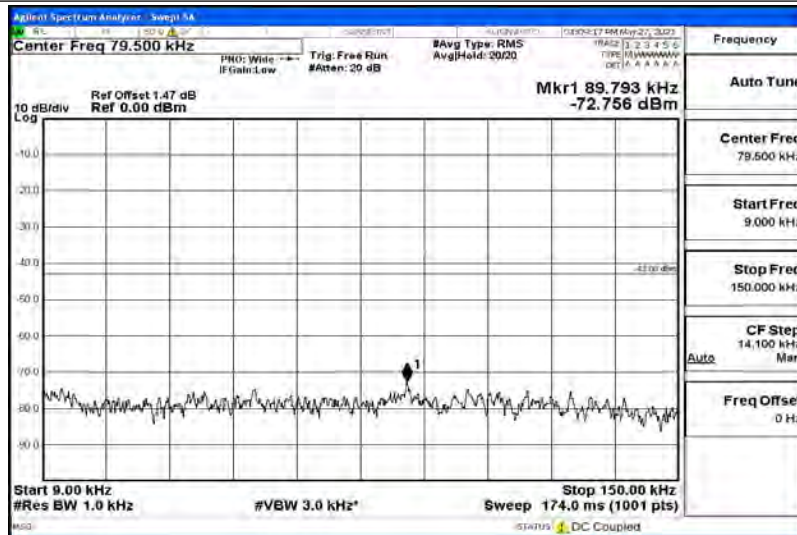
Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz



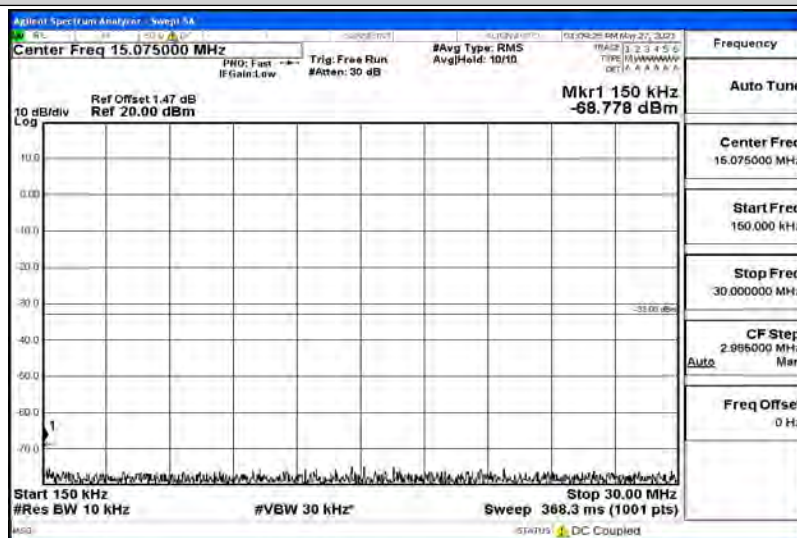
Band4-20MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz



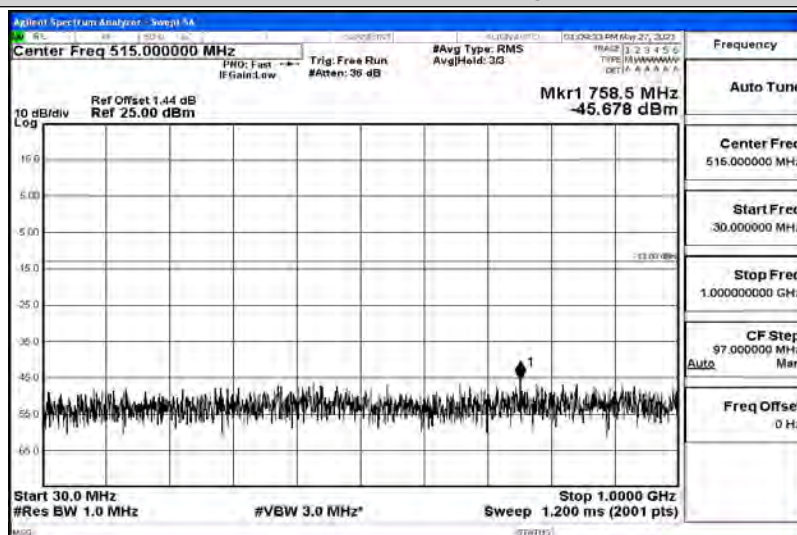
Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



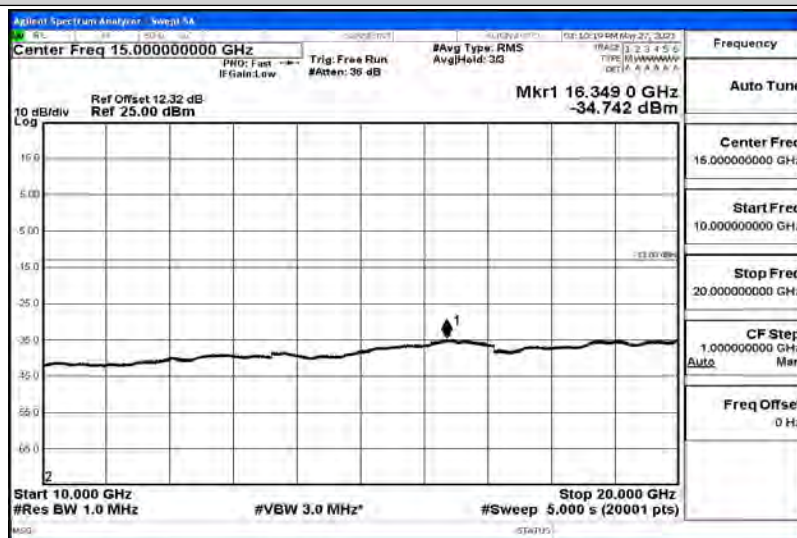
Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



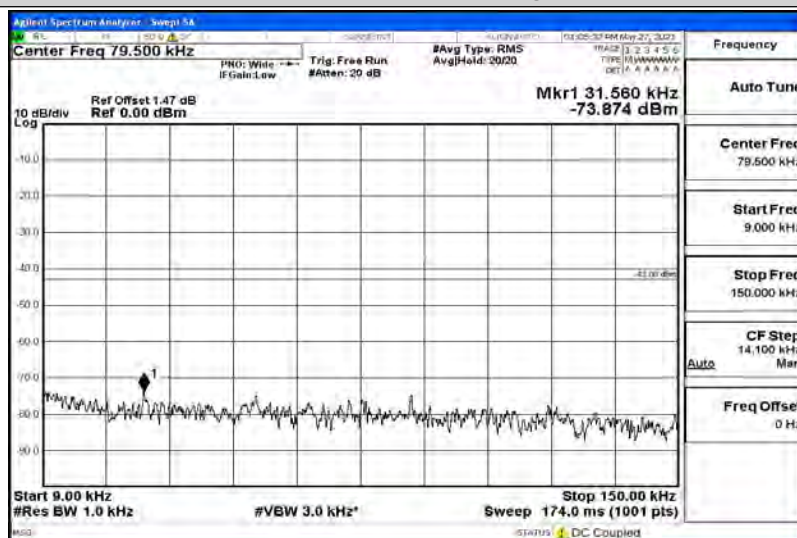
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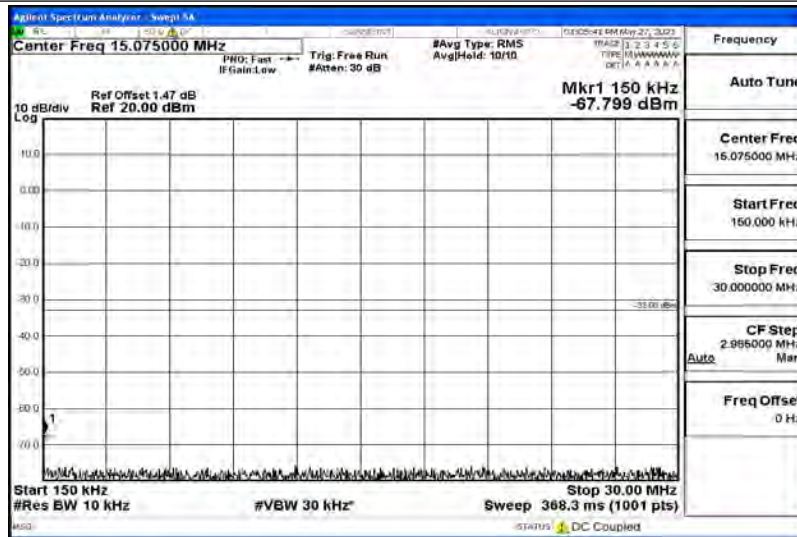
Band4-20MHz-QPSK-20300-1RB#0-Range5:10000~20000MHz



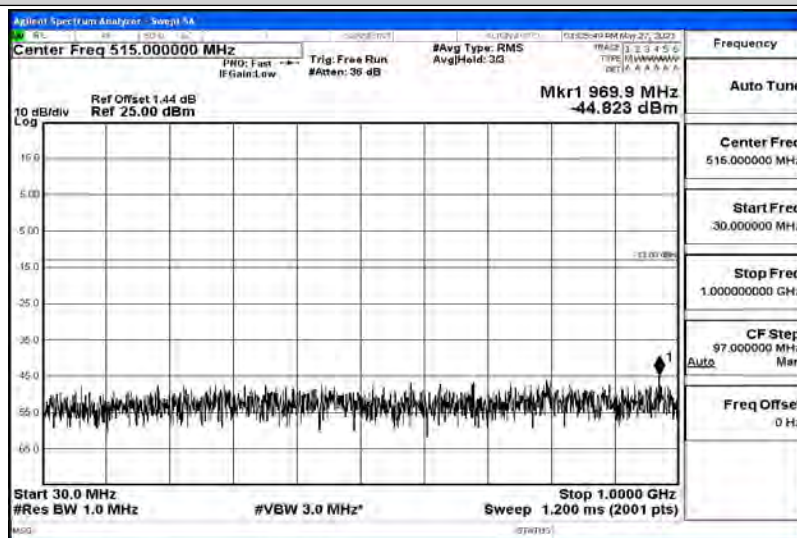
Band4-20MHz-16QAM-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20050-1RB#0-Range2:0.15~30MHz



Band4-20MHz-16QAM-20050-1RB#0-Range3:30~1000MHz



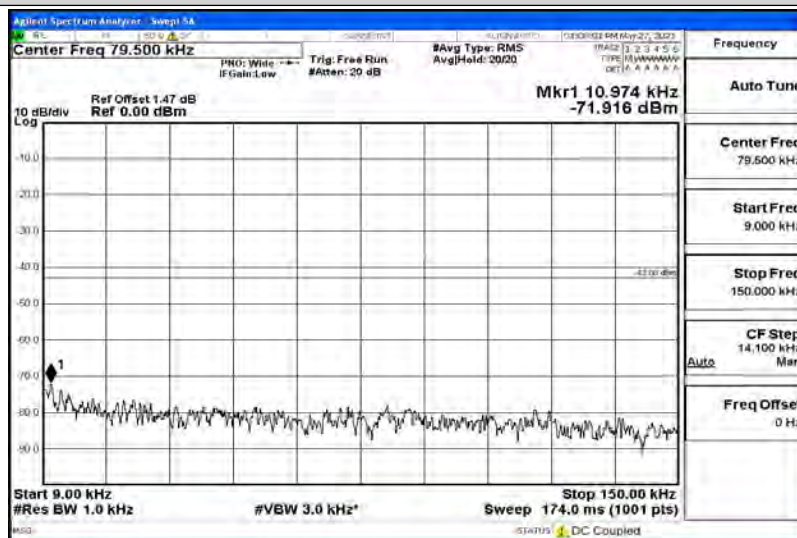
Band4-20MHz-16QAM-20050-1RB#0-Range4:1000~10000MHz



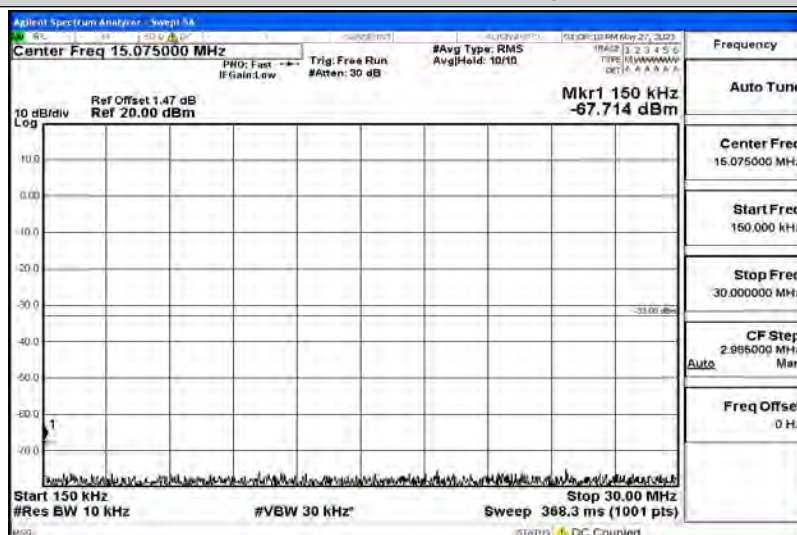
Band4-20MHz-16QAM-20050-1RB#0-Range5:10000~20000MHz



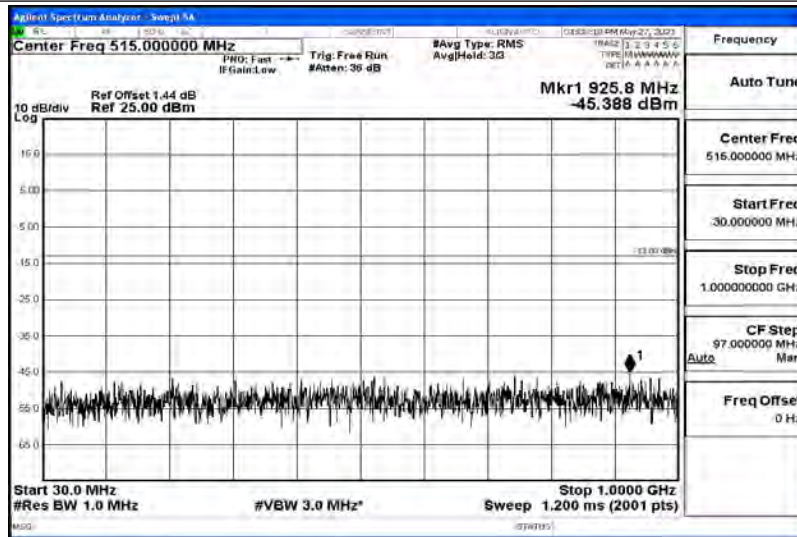
Band4-20MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



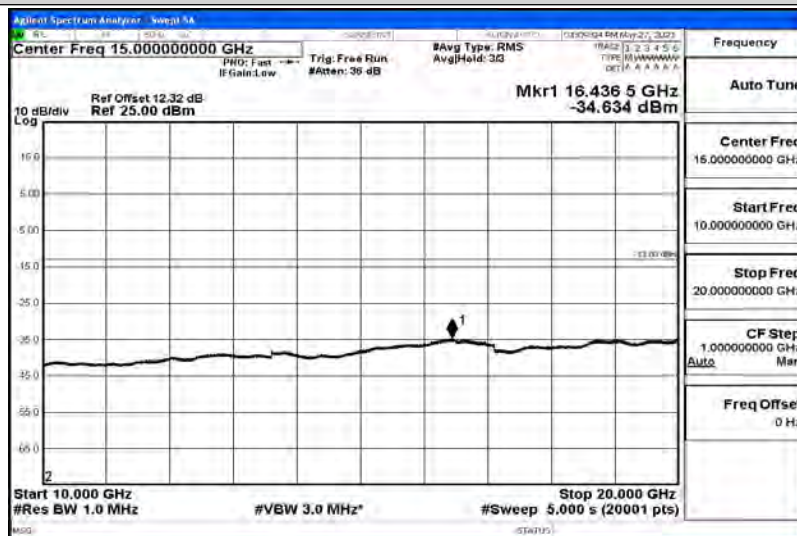
Band4-20MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



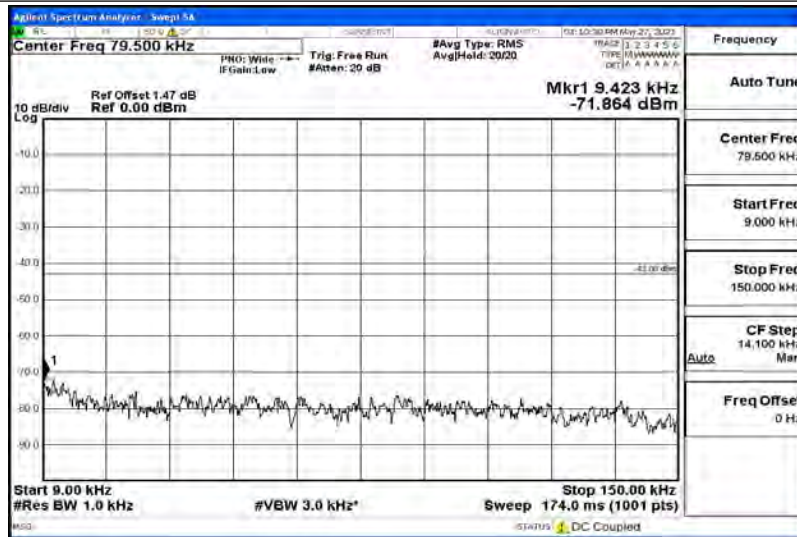
Band4-20MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



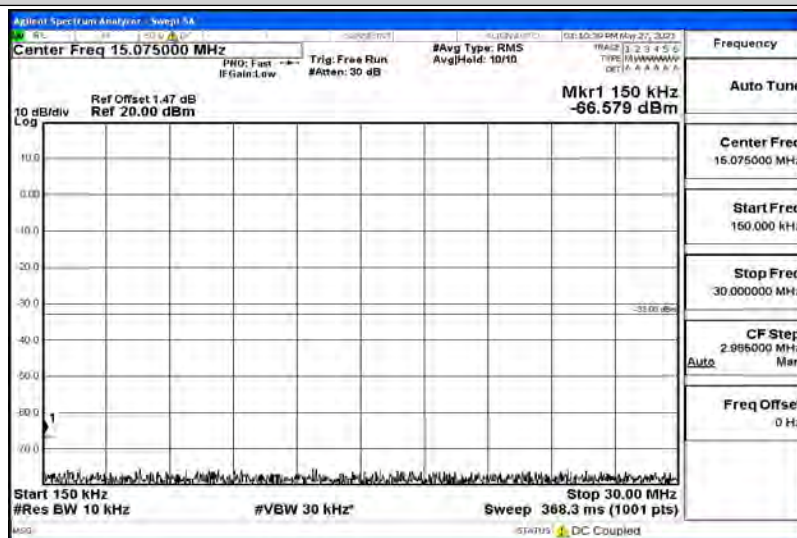
Band4-20MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz



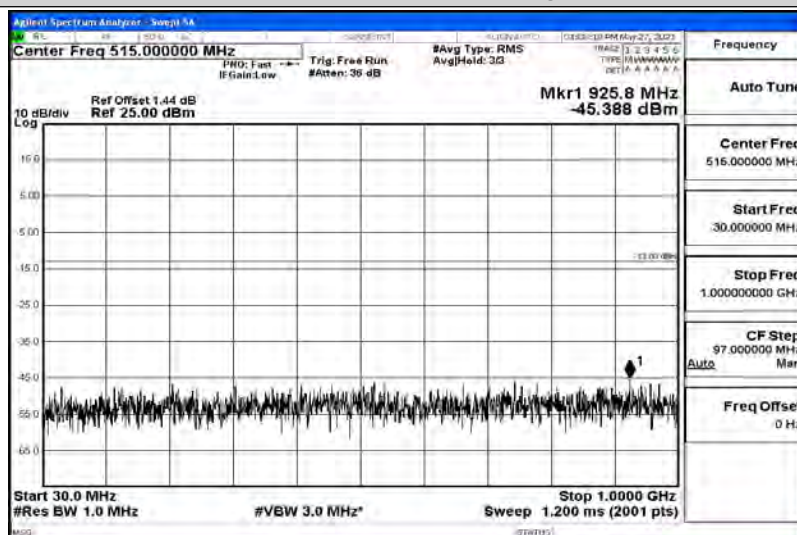
Band4-20MHz-16QAM-20300-1RB#0-Range1:0.009~0.15MHz



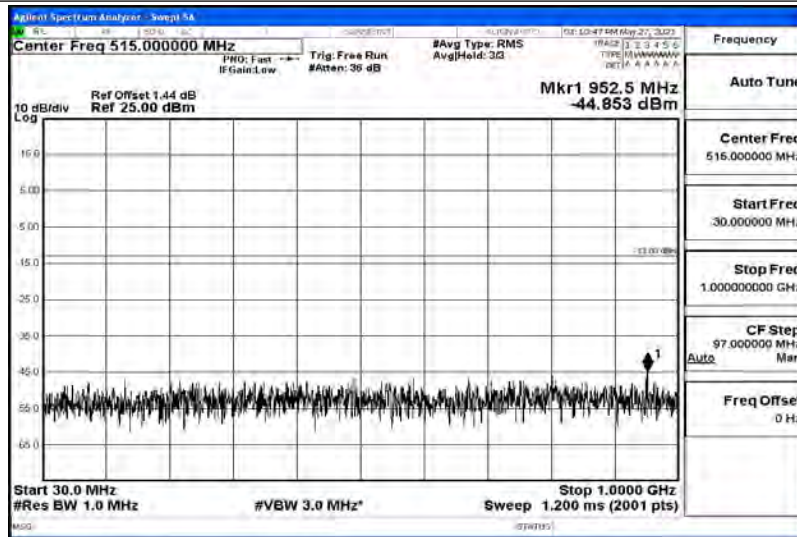
Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~10000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range5:10000~20000MHz

