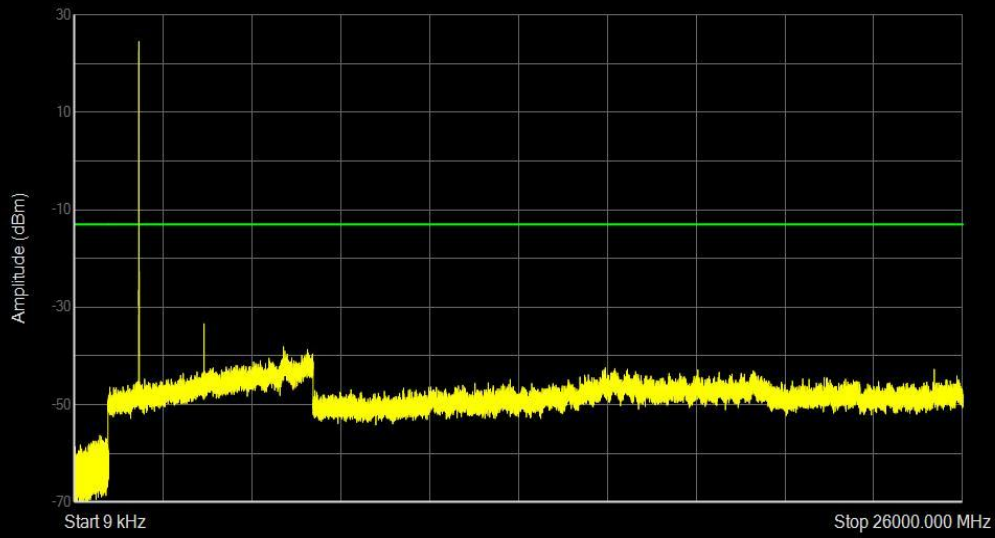


Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1239714	-60.15	-13
2	0.15	30	10	0.15199	-58.26	-13
3	30	1000	100	761.283	-56.33	-13
4	1000	26000	1000	3810.83333333333	-33.38	-13

LTE Band 4

01 Conducted output power

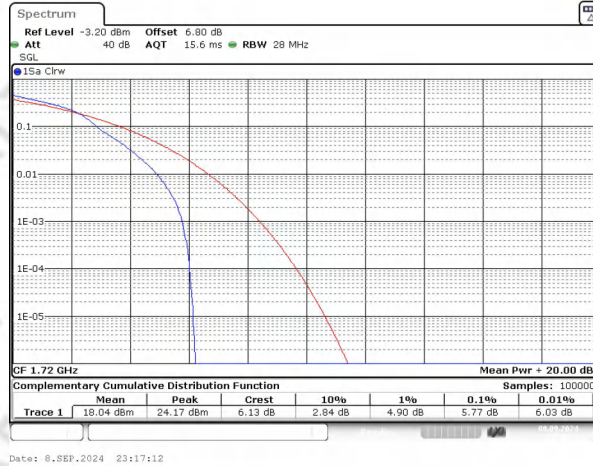
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP (dBm)	EIRP Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QAM16	20.44	0.92	19.21	21.36	30	PASS
Band4	1.4	20175	1	#0	QAM16	20.86	0.92	19.63	21.78	30	PASS
Band4	1.4	20393	1	#0	QAM16	20.15	0.92	18.92	21.07	30	PASS
Band4	3	19965	1	#0	QAM16	21.36	0.92	20.13	22.28	30	PASS
Band4	3	20175	1	#0	QAM16	20.12	0.92	18.89	21.04	30	PASS
Band4	3	20385	1	#0	QAM16	20.40	0.92	19.17	21.32	30	PASS
Band4	5	19975	1	#0	QAM16	21.20	0.92	19.97	22.12	30	PASS
Band4	5	20175	1	#0	QAM16	20.17	0.92	18.94	21.09	30	PASS
Band4	5	20375	1	#0	QAM16	20.30	0.92	19.07	21.22	30	PASS
Band4	10	20000	1	#0	QAM16	19.68	0.92	18.45	20.60	30	PASS
Band4	10	20175	1	#0	QAM16	19.33	0.92	18.10	20.25	30	PASS
Band4	10	20350	1	#0	QAM16	19.88	0.92	18.65	20.80	30	PASS
Band4	15	20025	1	#0	QAM16	19.45	0.92	18.22	20.37	30	PASS
Band4	15	20175	1	#0	QAM16	19.66	0.92	18.43	20.58	30	PASS
Band4	15	20325	1	#0	QAM16	19.62	0.92	18.39	20.54	30	PASS
Band4	20	20050	1	#0	QAM16	19.46	0.92	18.23	20.38	30	PASS
Band4	20	20175	1	#0	QAM16	19.35	0.92	18.12	20.27	30	PASS
Band4	20	20300	1	#0	QAM16	19.63	0.92	18.40	20.55	30	PASS
Band4	1.4	19957	1	#0	QPSK	21.94	0.92	20.71	22.86	30	PASS
Band4	1.4	20175	1	#0	QPSK	22.10	0.92	20.87	23.02	30	PASS
Band4	1.4	20393	1	#0	QPSK	21.92	0.92	20.69	22.84	30	PASS
Band4	3	19965	1	#0	QPSK	22.01	0.92	20.78	22.93	30	PASS
Band4	3	20175	1	#0	QPSK	21.88	0.92	20.65	22.8	30	PASS
Band4	3	20385	1	#0	QPSK	21.79	0.92	20.56	22.71	30	PASS
Band4	5	19975	1	#0	QPSK	21.91	0.92	20.68	22.83	30	PASS
Band4	5	20175	1	#0	QPSK	21.74	0.92	20.51	22.66	30	PASS
Band4	5	20375	1	#0	QPSK	21.86	0.92	20.63	22.78	30	PASS
Band4	10	20000	1	#0	QPSK	22.00	0.92	20.77	22.92	30	PASS
Band4	10	20175	1	#0	QPSK	21.79	0.92	20.56	22.71	30	PASS
Band4	10	20350	1	#0	QPSK	21.98	0.92	20.75	22.9	30	PASS
Band4	15	20025	1	#0	QPSK	22.05	0.92	20.82	22.97	30	PASS
Band4	15	20175	1	#0	QPSK	21.97	0.92	20.74	22.89	30	PASS
Band4	15	20325	1	#0	QPSK	21.89	0.92	20.66	22.81	30	PASS
Band4	20	20050	1	#0	QPSK	21.98	0.92	20.75	22.9	30	PASS
Band4	20	20175	1	#0	QPSK	22.15	0.92	20.92	23.07	30	PASS
Band4	20	20300	1	#0	QPSK	21.93	0.92	20.7	22.85	30	PASS

02 Frequency stability

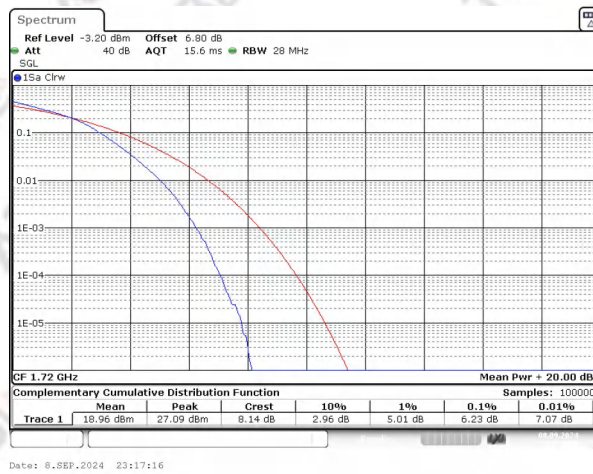
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Low Limit (MHz)	high Limit (MHz)	Verdict
Band4	1.4	19957	6	#0	QAM16	2.82	0.002	1710	1755	PASS
Band4	1.4	20175	6	#0	QAM16	1.61	0.001	1710	1755	PASS
Band4	1.4	20393	6	#0	QAM16	-1.26	-0.001	1710	1755	PASS
Band4	3	19965	15	#0	QAM16	0.53	0.000	1710	1755	PASS
Band4	3	20175	15	#0	QAM16	1.92	0.001	1710	1755	PASS
Band4	3	20385	15	#0	QAM16	1.73	0.001	1710	1755	PASS
Band4	5	19975	25	#0	QAM16	1.24	0.001	1710	1755	PASS
Band4	5	20175	25	#0	QAM16	1.69	0.001	1710	1755	PASS
Band4	5	20375	25	#0	QAM16	-2.07	-0.001	1710	1755	PASS
Band4	10	20000	50	#0	QAM16	1.32	0.001	1710	1755	PASS
Band4	10	20175	50	#0	QAM16	1.79	0.001	1710	1755	PASS
Band4	10	20350	50	#0	QAM16	-13.93	-0.008	1710	1755	PASS
Band4	15	20025	75	#0	QAM16	-5.76	-0.003	1710	1755	PASS
Band4	15	20175	75	#0	QAM16	-6.12	-0.004	1710	1755	PASS
Band4	15	20325	75	#0	QAM16	-2.29	-0.001	1710	1755	PASS
Band4	20	20050	100	#0	QAM16	-8.45	-0.005	1710	1755	PASS
Band4	20	20175	100	#0	QAM16	-9.56	-0.006	1710	1755	PASS
Band4	20	20300	100	#0	QAM16	-1.20	-0.001	1710	1755	PASS
Band4	1.4	19957	6	#0	QPSK	1.32	0.001	1710	1755	PASS
Band4	1.4	20175	6	#0	QPSK	0.22	0.000	1710	1755	PASS
Band4	1.4	20393	6	#0	QPSK	-2.98	-0.002	1710	1755	PASS
Band4	3	19965	15	#0	QPSK	0.18	0.000	1710	1755	PASS
Band4	3	20175	15	#0	QPSK	0.95	0.001	1710	1755	PASS
Band4	3	20385	15	#0	QPSK	0.17	0.000	1710	1755	PASS
Band4	5	19975	25	#0	QPSK	1.79	0.001	1710	1755	PASS
Band4	5	20175	25	#0	QPSK	0.33	0.000	1710	1755	PASS
Band4	5	20375	25	#0	QPSK	-2.71	-0.002	1710	1755	PASS
Band4	10	20000	50	#0	QPSK	-2.50	-0.001	1710	1755	PASS
Band4	10	20175	50	#0	QPSK	0.10	0.000	1710	1755	PASS
Band4	10	20350	50	#0	QPSK	1.99	0.001	1710	1755	PASS
Band4	15	20025	75	#0	QPSK	0.55	0.000	1710	1755	PASS
Band4	15	20175	75	#0	QPSK	0.53	0.000	1710	1755	PASS
Band4	15	20325	75	#0	QPSK	0.98	0.001	1710	1755	PASS
Band4	20	20050	100	#0	QPSK	2.33	0.001	1710	1755	PASS
Band4	20	20175	100	#0	QPSK	-0.04	0.000	1710	1755	PASS
Band4	20	20300	100	#0	QPSK	-2.93	-0.002	1710	1755	PASS

03 Peak-to-Average Ratio

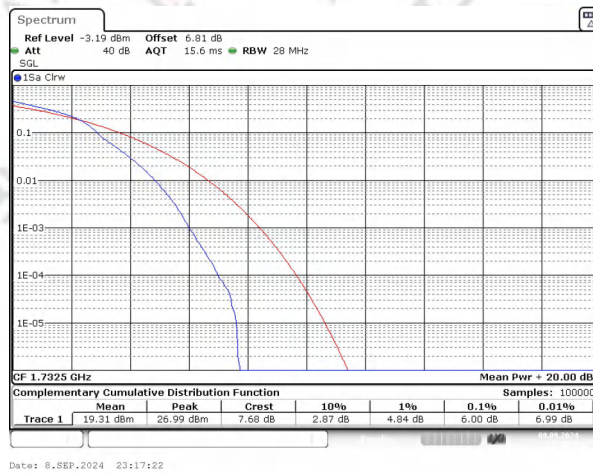
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	20	20050	1	#0	QAM16	5.77	13	PASS
Band4	20	20050	100	#0	QAM16	6.23	13	PASS
Band4	20	20175	1	#0	QAM16	6.00	13	PASS
Band4	20	20175	100	#0	QAM16	6.35	13	PASS
Band4	20	20300	1	#0	QAM16	6.90	13	PASS
Band4	20	20300	100	#0	QAM16	6.52	13	PASS
Band4	20	20050	1	#0	QPSK	4.75	13	PASS
Band4	20	20050	100	#0	QPSK	4.87	13	PASS
Band4	20	20175	1	#0	QPSK	4.64	13	PASS
Band4	20	20175	100	#0	QPSK	5.10	13	PASS
Band4	20	20300	1	#0	QPSK	4.78	13	PASS
Band4	20	20300	100	#0	QPSK	5.07	13	PASS



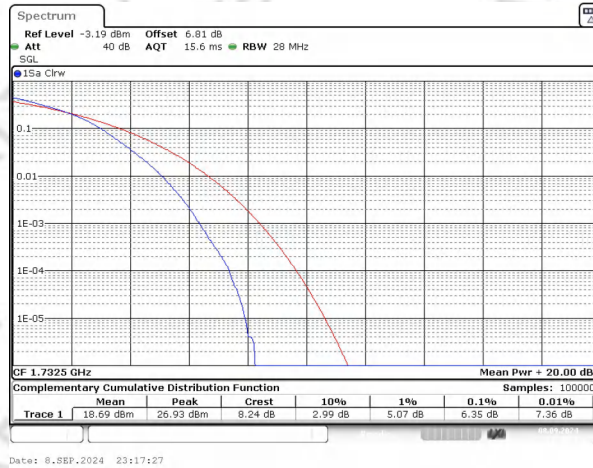
Band4 QAM16 BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



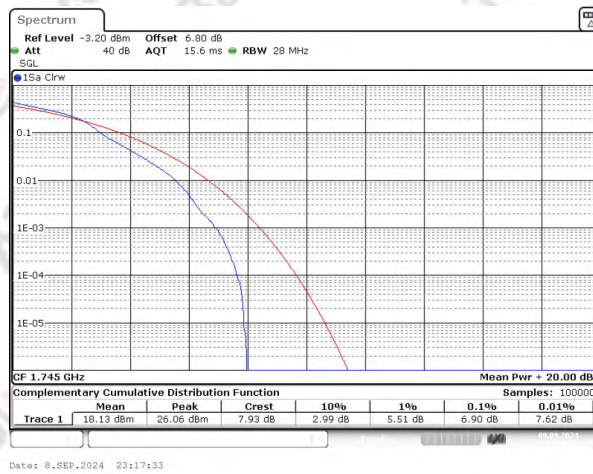
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



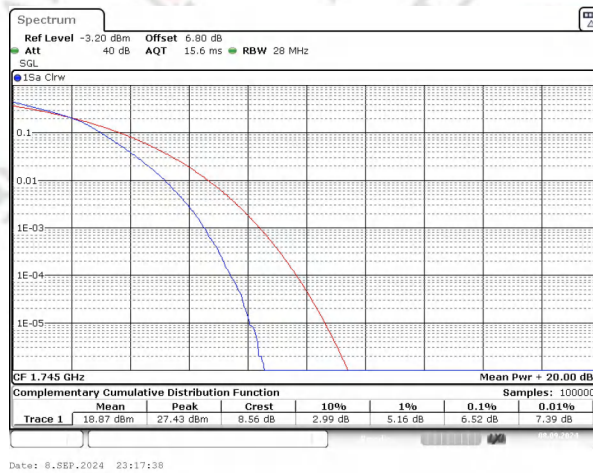
Band4 QAM16 BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



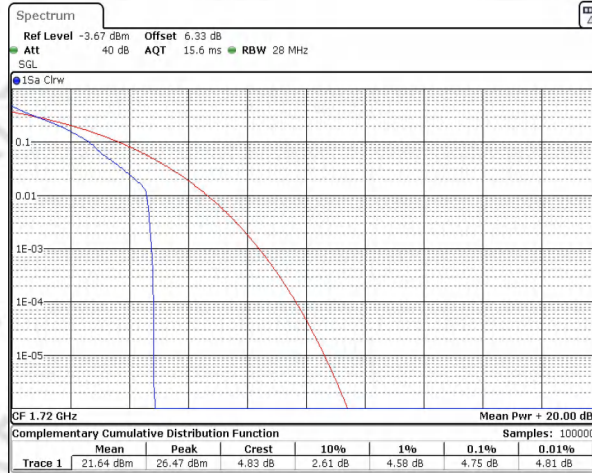
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



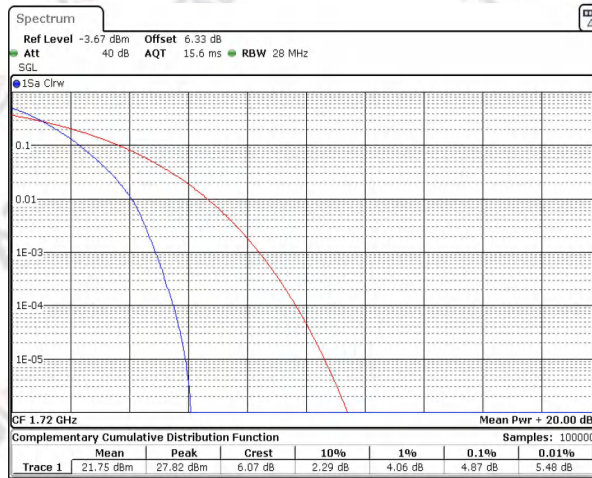
Band4 QAM16 BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT



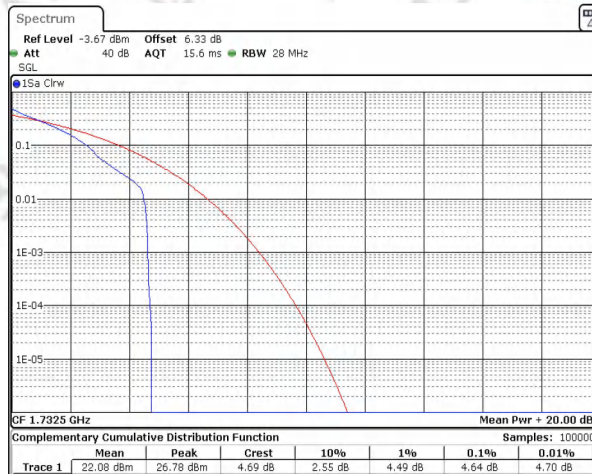
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



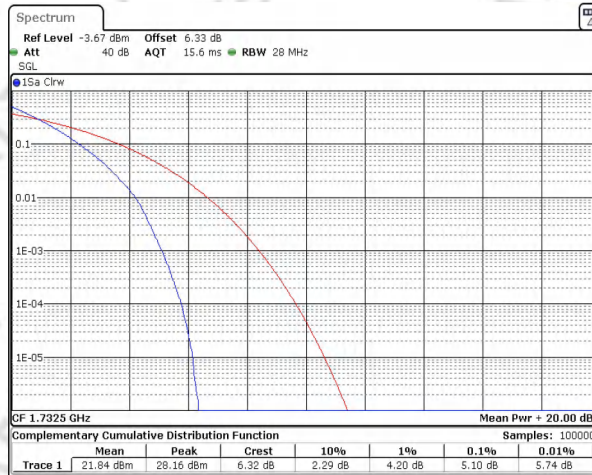
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



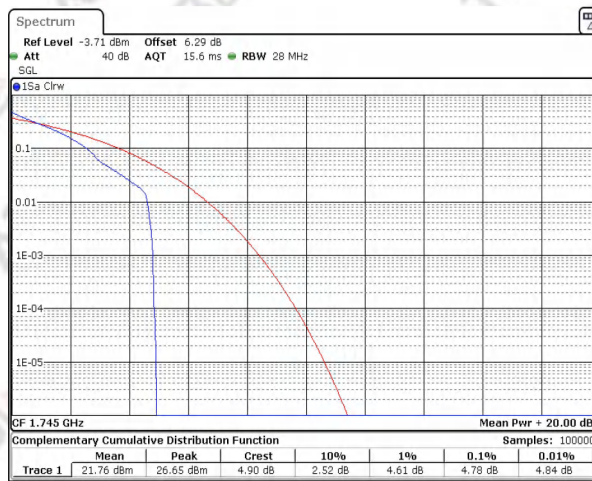
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



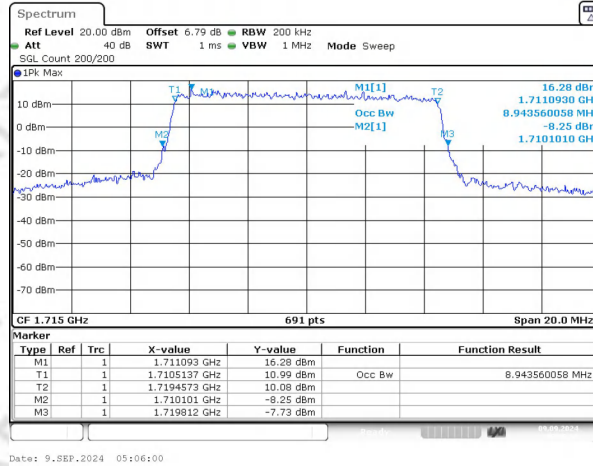
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT



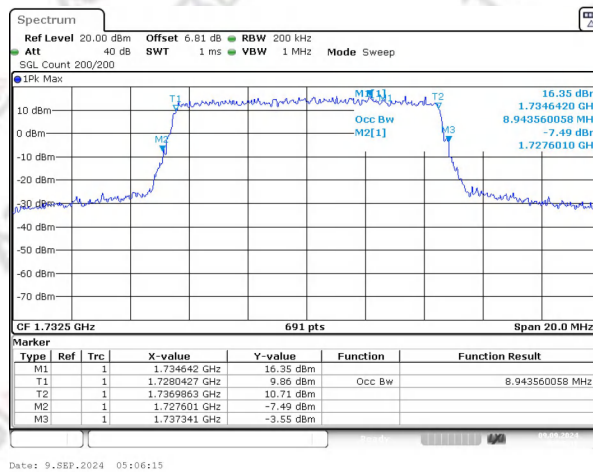
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

04 Occupied bandwidth

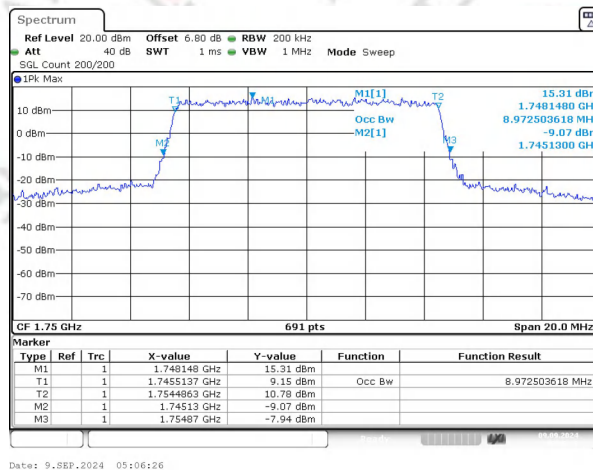
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QAM16	1.094	1.290	PASS
Band4	1.4	20175	6	#0	QAM16	1.098	1.294	PASS
Band4	1.4	20393	6	#0	QAM16	1.102	1.274	PASS
Band4	3	19965	15	#0	QAM16	2.744	3.017	PASS
Band4	3	20175	15	#0	QAM16	2.735	3.026	PASS
Band4	3	20385	15	#0	QAM16	2.726	3.017	PASS
Band4	5	19975	25	#0	QAM16	4.515	4.957	PASS
Band4	5	20175	25	#0	QAM16	4.501	4.957	PASS
Band4	5	20375	25	#0	QAM16	4.530	5.000	PASS
Band4	10	20000	50	#0	QAM16	8.944	9.710	PASS
Band4	10	20175	50	#0	QAM16	8.944	9.739	PASS
Band4	10	20350	50	#0	QAM16	8.973	9.739	PASS
Band4	15	20025	75	#0	QAM16	13.502	14.696	PASS
Band4	15	20175	75	#0	QAM16	13.415	14.609	PASS
Band4	15	20325	75	#0	QAM16	13.459	14.565	PASS
Band4	20	20050	100	#0	QAM16	18.003	19.420	PASS
Band4	20	20175	100	#0	QAM16	17.887	19.362	PASS
Band4	20	20300	100	#0	QAM16	17.945	19.420	PASS
Band4	1.4	19957	6	#0	QPSK	1.102	1.270	PASS
Band4	1.4	20175	6	#0	QPSK	1.094	1.299	PASS
Band4	1.4	20393	6	#0	QPSK	1.102	1.294	PASS
Band4	10	20000	50	#0	QPSK	9.001	9.884	PASS
Band4	10	20175	50	#0	QPSK	8.944	9.768	PASS
Band4	10	20350	50	#0	QPSK	8.944	9.681	PASS
Band4	15	20025	75	#0	QPSK	13.415	14.565	PASS
Band4	15	20175	75	#0	QPSK	13.415	14.478	PASS
Band4	15	20325	75	#0	QPSK	13.415	14.609	PASS
Band4	20	20050	100	#0	QPSK	17.829	19.188	PASS
Band4	20	20175	100	#0	QPSK	17.945	19.362	PASS
Band4	20	20300	100	#0	QPSK	17.887	19.420	PASS
Band4	3	19965	15	#0	QPSK	2.735	3.052	PASS
Band4	3	20175	15	#0	QPSK	2.744	3.026	PASS
Band4	3	20385	15	#0	QPSK	2.735	3.043	PASS
Band4	5	19975	25	#0	QPSK	4.530	5.000	PASS
Band4	5	20175	25	#0	QPSK	4.515	4.942	PASS
Band4	5	20375	25	#0	QPSK	4.501	4.928	PASS



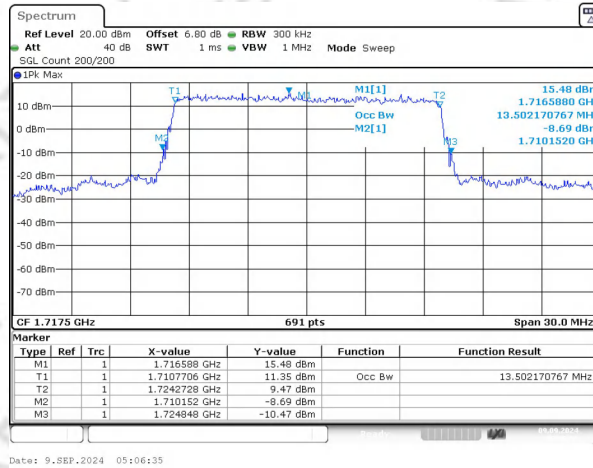
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



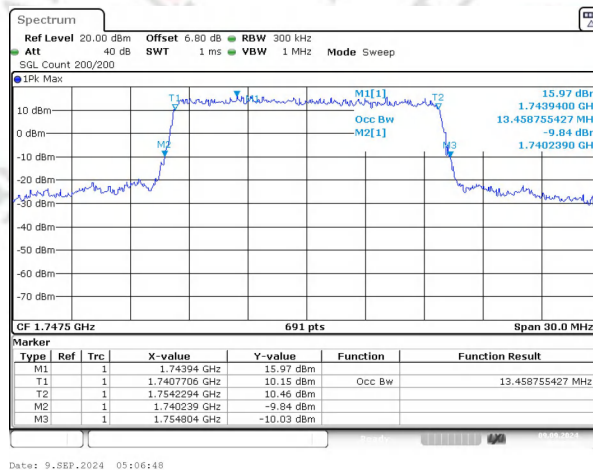
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



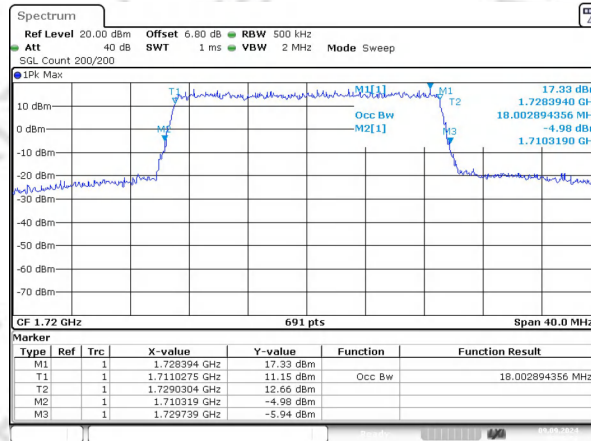
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



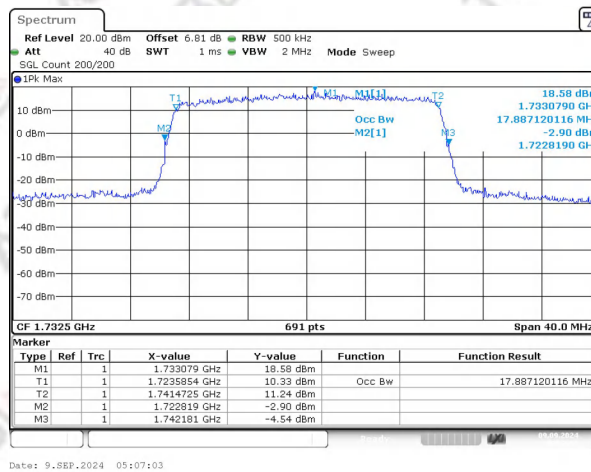
Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



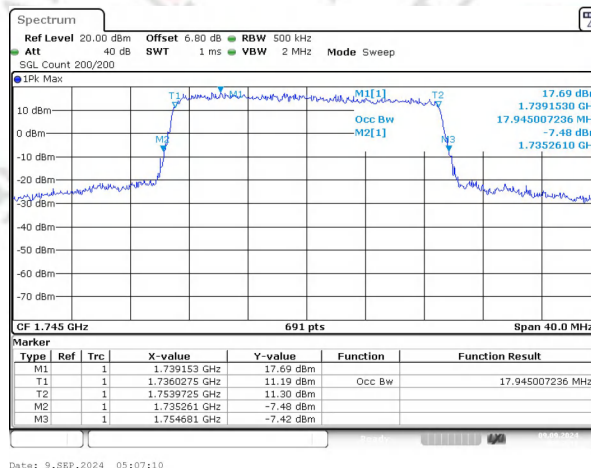
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



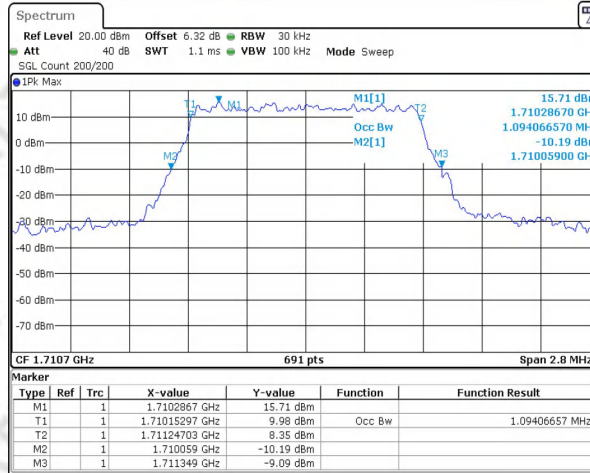
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



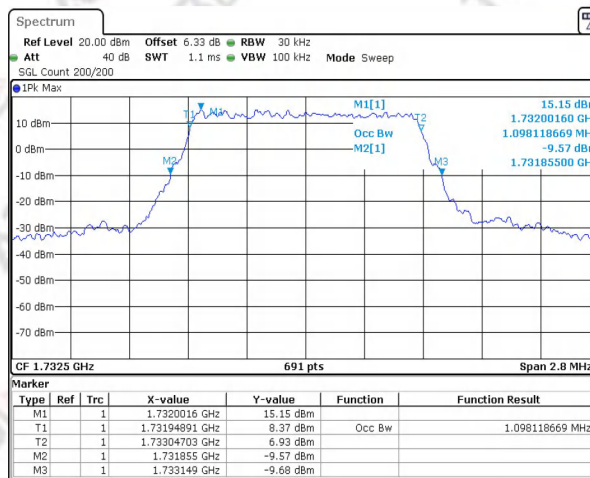
Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



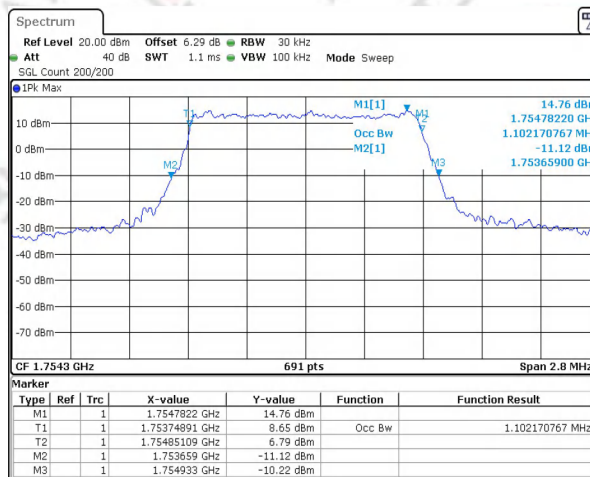
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



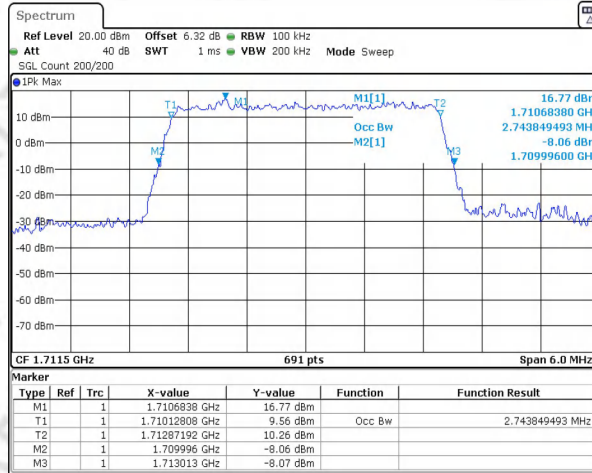
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



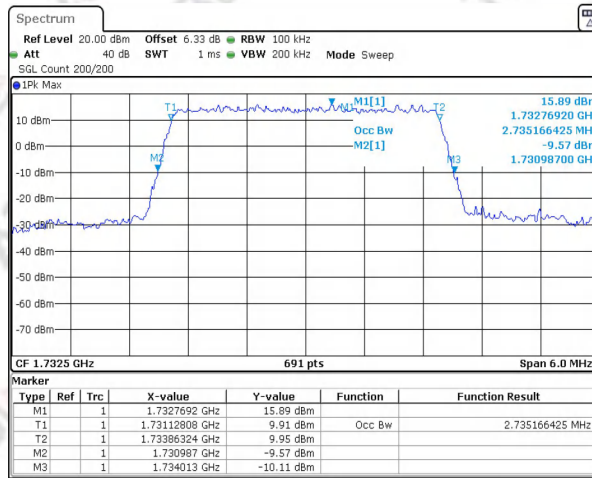
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



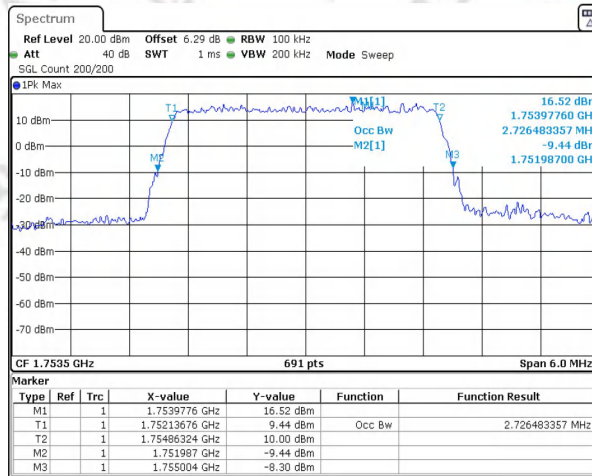
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



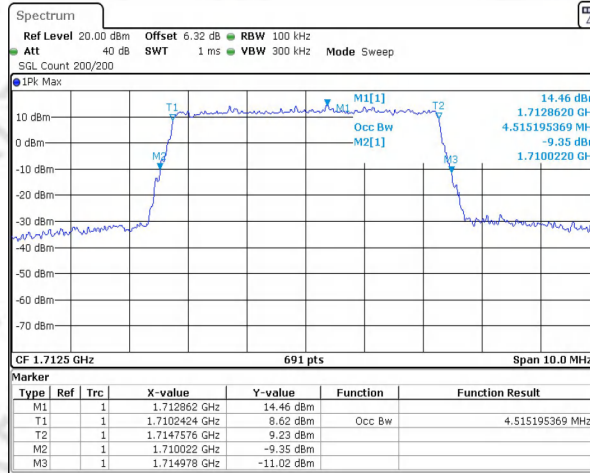
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



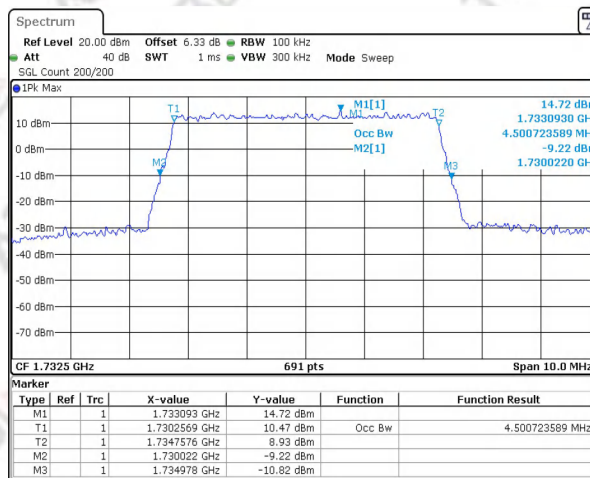
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



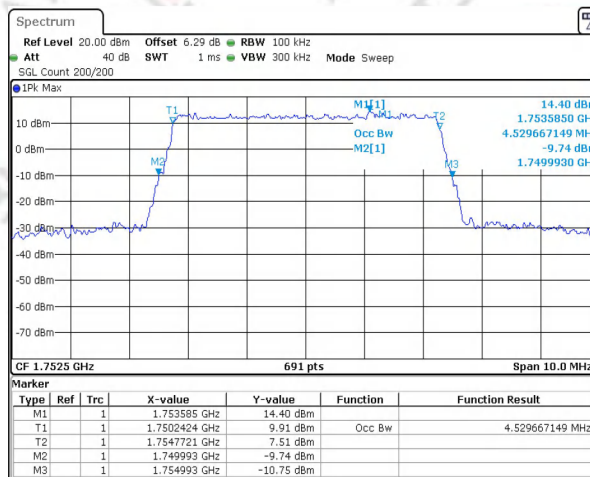
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



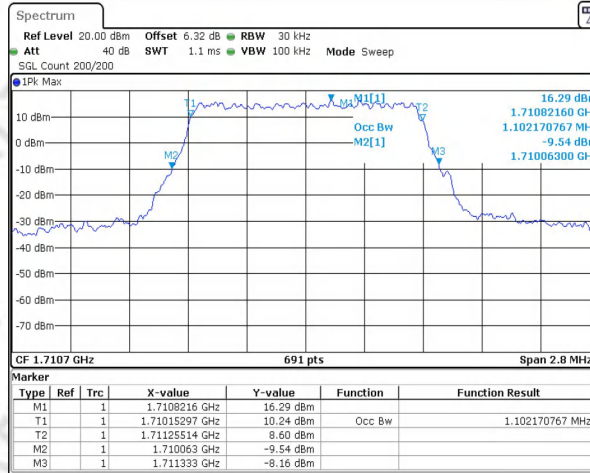
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



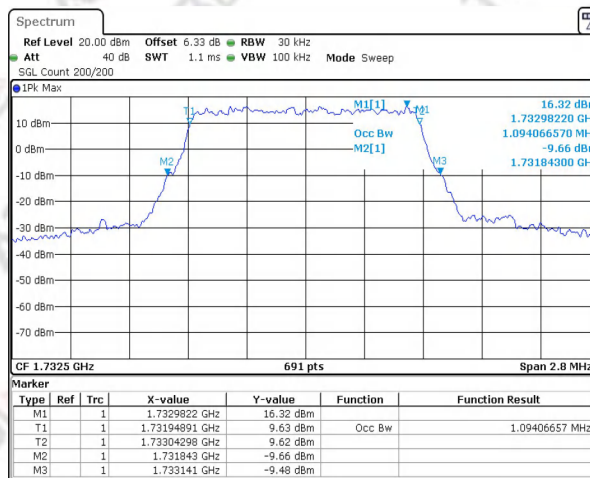
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



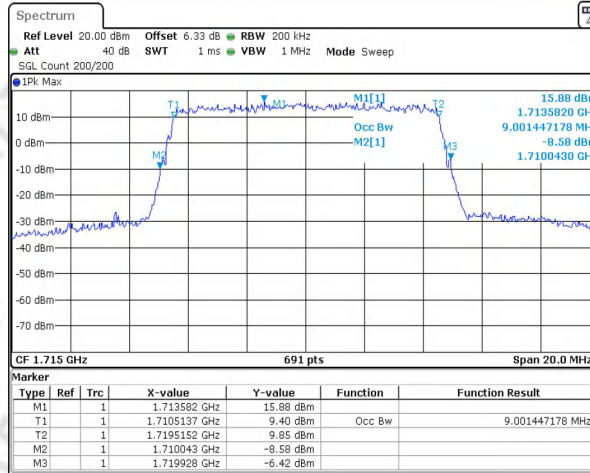
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



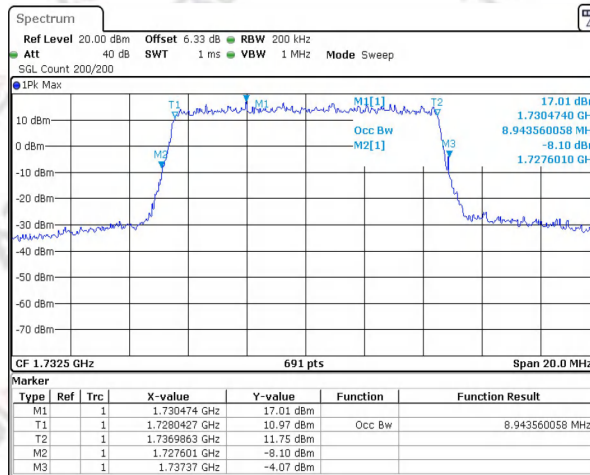
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



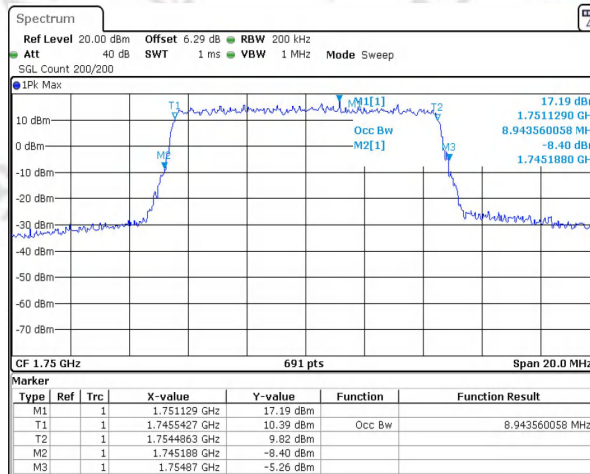
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



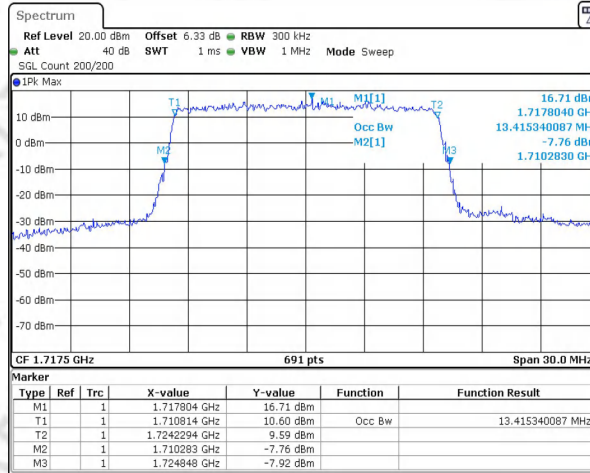
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



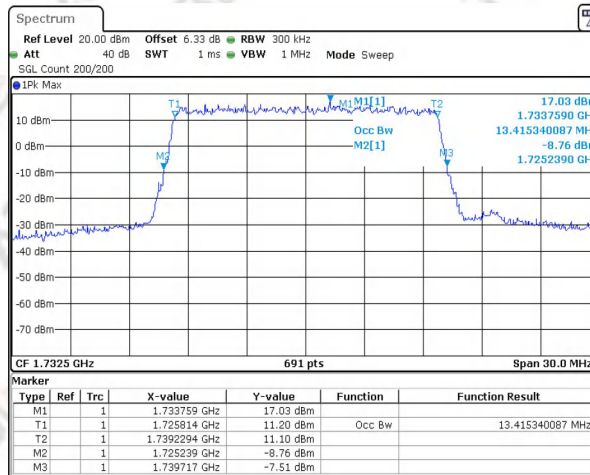
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



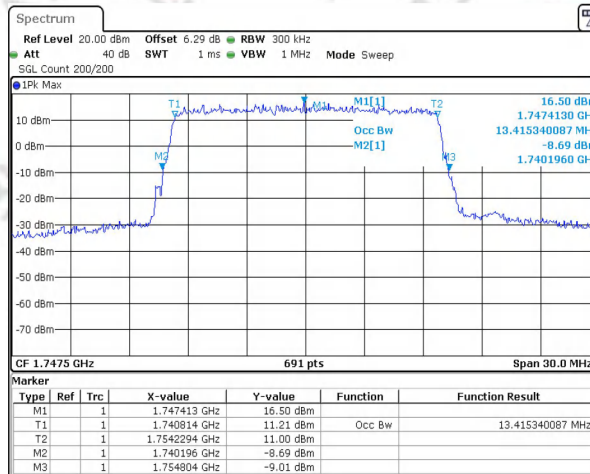
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT