

Contents

1. Effective (Isotropic) Radiated Power Output Data	2
2. Occupied Bandwidth	15
3. Out-of-Band Emissions at the Band Edge	18
4. Spurious Radiation	63
5. Frequency Stability	97

1. Effective (Isotropic) Radiated Power Output Data

Test Result

NR Band n258a (Beam ID: 47+303)

DFT-s Maximum Average EIRP [dBm]

Channel	BW [MHz]	Waveform	Modulation	RB Size	RB Offset	Ant.Pol	EIRP [dBm]	MIMO EIRP [dBm]	Limit [dBm]
Low	50M	DFT-S	BPSK	1	0	H	35.65	40.26	55
Low	50M	DFT-S	BPSK			V	38.42		
Low	50M	DFT-S	BPSK	1	31	H	36.23	40.60	55
Low	50M	DFT-S	BPSK			V	38.63		
Low	50M	DFT-S	BPSK	8	4	H	43.56	48.23	55
Low	50M	DFT-S	BPSK			V	46.42		
Low	50M	DFT-S	BPSK	8	11	H	43.48	48.31	55
Low	50M	DFT-S	BPSK			V	46.58		
Low	50M	DFT-S	BPSK	8	14	H	44.22	48.60	55
Low	50M	DFT-S	BPSK			V	46.63		
Low	50M	DFT-S	BPSK	8	20	H	44.35	49.13	55
Low	50M	DFT-S	BPSK			V	47.38		
Low	50M	DFT-S	BPSK	10	11	H	47.5	50.65	55
Low	50M	DFT-S	BPSK			V	47.78		
Low	50M	DFT-S	BPSK	16	8	H	47.69	50.58	55
Low	50M	DFT-S	BPSK			V	47.45		
Low	50M	DFT-S	BPSK	32	0	H	40.34	45.24	55
Low	50M	DFT-S	BPSK			V	43.54		
Low	50M	DFT-S	QPSK	1	0	H	37.68	40.65	55
Low	50M	DFT-S	QPSK			V	37.59		
Low	50M	DFT-S	QPSK	1	31	H	30.26	42.81	55
Low	50M	DFT-S	QPSK			V	42.56		
Low	50M	DFT-S	QPSK	8	4	H	45.36	49.35	55
Low	50M	DFT-S	QPSK			V	47.14		
Low	50M	DFT-S	QPSK	8	11	H	46.26	50.14	55
Low	50M	DFT-S	QPSK			V	47.86		
Low	50M	DFT-S	QPSK	8	14	H	47.02	50.05	55
Low	50M	DFT-S	QPSK			V	47.06		
Low	50M	DFT-S	QPSK	8	20	H	46.54	50.14	55
Low	50M	DFT-S	QPSK			V	47.65		
Low	50M	DFT-S	QPSK	10	11	H	47.39	50.79	55
Low	50M	DFT-S	QPSK			V	48.13		

Low	50M	DFT-S	QPSK	16	8	H	46.57	50.09	55
Low	50M	DFT-S	QPSK			V	47.53		
Low	50M	DFT-S	QPSK	32	0	H	40.54	45.47	55
Low	50M	DFT-S	QPSK			V	43.78		
Low	50M	DFT-S	16QAM	1	0	H	36.89	40.31	55
Low	50M	DFT-S	16QAM			V	37.68		
Low	50M	DFT-S	16QAM	1	31	H	30.25	41.67	55
Low	50M	DFT-S	16QAM			V	41.35		
Low	50M	DFT-S	16QAM	8	4	H	42.56	47.38	55
Low	50M	DFT-S	16QAM			V	45.65		
Low	50M	DFT-S	16QAM	8	11	H	45.28	48.33	55
Low	50M	DFT-S	16QAM			V	45.36		
Low	50M	DFT-S	16QAM	8	14	H	45.12	48.79	55
Low	50M	DFT-S	16QAM			V	46.35		
Low	50M	DFT-S	16QAM	8	20	H	43.25	47.55	55
Low	50M	DFT-S	16QAM			V	45.54		
Low	50M	DFT-S	16QAM	10	11	H	46.35	49.69	55
Low	50M	DFT-S	16QAM			V	46.98		
Low	50M	DFT-S	16QAM	16	8	H	43.26	47.37	55
Low	50M	DFT-S	16QAM			V	45.24		
Low	50M	DFT-S	16QAM	32	0	H	40.56	45.39	55
Low	50M	DFT-S	16QAM			V	43.66		
Low	50M	DFT-S	64QAM	1	0	H	36.24	39.79	55
Low	50M	DFT-S	64QAM			V	37.26		
Low	50M	DFT-S	64QAM	1	31	H	30.21	41.03	55
Low	50M	DFT-S	64QAM			V	40.65		
Low	50M	DFT-S	64QAM	8	4	H	40.75	44.46	55
Low	50M	DFT-S	64QAM			V	42.05		
Low	50M	DFT-S	64QAM	8	11	H	41.36	45.41	55
Low	50M	DFT-S	64QAM			V	43.24		
Low	50M	DFT-S	64QAM	8	14	H	41.24	45.19	55
Low	50M	DFT-S	64QAM			V	42.96		
Low	50M	DFT-S	64QAM	8	20	H	40.01	43.74	55
Low	50M	DFT-S	64QAM			V	41.35		
Low	50M	DFT-S	64QAM	10	11	H	42.68	46.16	55
Low	50M	DFT-S	64QAM			V	43.58		
Low	50M	DFT-S	64QAM	16	8	H	39.63	43.71	55
Low	50M	DFT-S	64QAM			V	41.56		
Low	50M	DFT-S	64QAM	32	0	H	40.24	43.24	55
Low	50M	DFT-S	64QAM			V	40.22		
Mid	50M	DFT-S	BPSK	1	0	H	32.21	40.88	55
Mid	50M	DFT-S	BPSK			V	40.25		
Mid	50M	DFT-S	BPSK	1	31	H	36.22	41.63	55

Mid	50M	DFT-S	BPSK			V	40.15		
Mid	50M	DFT-S	BPSK	8	4	H	46.36	49.31	55
Mid	50M	DFT-S	BPSK			V	46.24		
Mid	50M	DFT-S	BPSK	8	11	H	46.28	49.78	55
Mid	50M	DFT-S	BPSK			V	47.21		
Mid	50M	DFT-S	BPSK	8	14	H	46.27	49.84	55
Mid	50M	DFT-S	BPSK			V	47.32		
Mid	50M	DFT-S	BPSK	8	20	H	46.54	49.97	55
Mid	50M	DFT-S	BPSK			V	47.35		
Mid	50M	DFT-S	BPSK	10	11	H	47.44	50.76	55
Mid	50M	DFT-S	BPSK			V	48.04		
Mid	50M	DFT-S	BPSK	16	8	H	46.54	49.98	55
Mid	50M	DFT-S	BPSK			V	47.36		
Mid	50M	DFT-S	BPSK	32	0	H	40.93	45.84	55
Mid	50M	DFT-S	BPSK			V	44.14		
Mid	50M	DFT-S	QPSK	1	0	H	30.12	41.67	55
Mid	50M	DFT-S	QPSK			V	41.36		
Mid	50M	DFT-S	QPSK	1	31	H	35.14	41.42	55
Mid	50M	DFT-S	QPSK			V	40.26		
Mid	50M	DFT-S	QPSK	8	4	H	46.25	49.83	55
Mid	50M	DFT-S	QPSK			V	47.33		
Mid	50M	DFT-S	QPSK	8	11	H	46.56	50.10	55
Mid	50M	DFT-S	QPSK			V	47.57		
Mid	50M	DFT-S	QPSK	8	14	H	46.35	49.87	55
Mid	50M	DFT-S	QPSK			V	47.32		
Mid	50M	DFT-S	QPSK	8	20	H	46.43	49.91	55
Mid	50M	DFT-S	QPSK			V	47.32		
Mid	50M	DFT-S	QPSK	10	11	H	47.88	50.71	55
Mid	50M	DFT-S	QPSK			V	47.51		
Mid	50M	DFT-S	QPSK	16	8	H	46.35	50.05	55
Mid	50M	DFT-S	QPSK			V	47.63		
Mid	50M	DFT-S	QPSK	32	0	H	40.95	45.58	55
Mid	50M	DFT-S	QPSK			V	43.75		
Mid	50M	DFT-S	16QAM	1	0	H	29.65	41.18	55
Mid	50M	DFT-S	16QAM			V	40.86		
Mid	50M	DFT-S	16QAM	1	31	H	35.68	41.11	55
Mid	50M	DFT-S	16QAM			V	39.65		
Mid	50M	DFT-S	16QAM	8	4	H	44.28	47.84	55
Mid	50M	DFT-S	16QAM			V	45.32		
Mid	50M	DFT-S	16QAM	8	11	H	45.42	48.92	55
Mid	50M	DFT-S	16QAM			V	46.35		
Mid	50M	DFT-S	16QAM	8	14	H	45.26	48.79	55
Mid	50M	DFT-S	16QAM			V	46.24		

Mid	50M	DFT-S	16QAM	8	20	H	44.28	47.86	55
Mid	50M	DFT-S	16QAM			V	45.36		
Mid	50M	DFT-S	16QAM	10	11	H	46.52	49.65	55
Mid	50M	DFT-S	16QAM			V	46.75		
Mid	50M	DFT-S	16QAM	16	8	H	44.23	47.82	55
Mid	50M	DFT-S	16QAM			V	45.32		
Mid	50M	DFT-S	16QAM	32	0	H	40.97	45.62	55
Mid	50M	DFT-S	16QAM			V	43.79		
Mid	50M	DFT-S	64QAM	1	0	H	29.63	41.60	55
Mid	50M	DFT-S	64QAM			V	41.32		
Mid	50M	DFT-S	64QAM	1	31	H	35.32	40.80	55
Mid	50M	DFT-S	64QAM			V	39.35		
Mid	50M	DFT-S	64QAM	8	4	H	41.45	45.05	55
Mid	50M	DFT-S	64QAM			V	42.56		
Mid	50M	DFT-S	64QAM	8	11	H	42.46	45.88	55
Mid	50M	DFT-S	64QAM			V	43.25		
Mid	50M	DFT-S	64QAM	8	14	H	42.15	45.68	55
Mid	50M	DFT-S	64QAM			V	43.14		
Mid	50M	DFT-S	64QAM	8	20	H	41.06	44.76	55
Mid	50M	DFT-S	64QAM			V	42.35		
Mid	50M	DFT-S	64QAM	10	11	H	43.14	46.41	55
Mid	50M	DFT-S	64QAM			V	43.65		
Mid	50M	DFT-S	64QAM	16	8	H	41.35	44.78	55
Mid	50M	DFT-S	64QAM			V	42.15		
Mid	50M	DFT-S	64QAM	32	0	H	40.33	43.31	55
Mid	50M	DFT-S	64QAM			V	40.26		
High	50M	DFT-S	BPSK	1	0	H	41.63	44.50	55
High	50M	DFT-S	BPSK			V	41.35		
High	50M	DFT-S	BPSK	1	31	H	33.24	41.04	55
High	50M	DFT-S	BPSK			V	40.25		
High	50M	DFT-S	BPSK	8	4	H	44.26	49.08	55
High	50M	DFT-S	BPSK			V	47.35		
High	50M	DFT-S	BPSK	8	11	H	44.36	49.25	55
High	50M	DFT-S	BPSK			V	47.54		
High	50M	DFT-S	BPSK	8	14	H	44.25	49.27	55
High	50M	DFT-S	BPSK			V	47.63		
High	50M	DFT-S	BPSK	8	20	H	44.54	49.40	55
High	50M	DFT-S	BPSK			V	47.68		
High	50M	DFT-S	BPSK	10	11	H	47.31	50.41	55
High	50M	DFT-S	BPSK			V	47.49		
High	50M	DFT-S	BPSK	16	8	H	44.52	49.19	55
High	50M	DFT-S	BPSK			V	47.38		
High	50M	DFT-S	BPSK	32	0	H	40.95	45.48	55

High	50M	DFT-S	BPSK			V	43.6		
High	50M	DFT-S	QPSK	1	0	H	28.32	41.53	55
High	50M	DFT-S	QPSK			V	41.32		
High	50M	DFT-S	QPSK	1	31	H	34.12	40.65	55
High	50M	DFT-S	QPSK			V	39.56		
High	50M	DFT-S	QPSK	8	4	H	44.24	49.08	55
High	50M	DFT-S	QPSK			V	47.35		
High	50M	DFT-S	QPSK	8	11	H	44.35	49.24	55
High	50M	DFT-S	QPSK			V	47.54		
High	50M	DFT-S	QPSK	8	14	H	44.35	49.26	55
High	50M	DFT-S	QPSK			V	47.56		
High	50M	DFT-S	QPSK	8	20	H	44.35	49.11	55
High	50M	DFT-S	QPSK			V	47.35		
High	50M	DFT-S	QPSK	10	11	H	47.66	50.65	55
High	50M	DFT-S	QPSK			V	47.61		
High	50M	DFT-S	QPSK	16	8	H	44.35	49.11	55
High	50M	DFT-S	QPSK			V	47.35		
High	50M	DFT-S	QPSK	32	0	H	40.81	45.48	55
High	50M	DFT-S	QPSK			V	43.67		
High	50M	DFT-S	16QAM	1	0	H	26.54	41.49	55
High	50M	DFT-S	16QAM			V	41.35		
High	50M	DFT-S	16QAM	1	31	H	34.52	40.58	55
High	50M	DFT-S	16QAM			V	39.35		
High	50M	DFT-S	16QAM	8	4	H	42.14	46.95	55
High	50M	DFT-S	16QAM			V	45.21		
High	50M	DFT-S	16QAM	8	11	H	43.25	48.21	55
High	50M	DFT-S	16QAM			V	46.54		
High	50M	DFT-S	16QAM	8	14	H	43.52	48.19	55
High	50M	DFT-S	16QAM			V	46.38		
High	50M	DFT-S	16QAM	8	20	H	42.36	46.99	55
High	50M	DFT-S	16QAM			V	45.16		
High	50M	DFT-S	16QAM	10	11	H	46.39	49.34	55
High	50M	DFT-S	16QAM			V	46.27		
High	50M	DFT-S	16QAM	16	8	H	42.58	47.20	55
High	50M	DFT-S	16QAM			V	45.36		
High	50M	DFT-S	16QAM	32	0	H	40.87	45.38	55
High	50M	DFT-S	16QAM			V	43.49		
High	50M	DFT-S	64QAM	1	0	H	27.14	41.54	55
High	50M	DFT-S	64QAM			V	41.38		
High	50M	DFT-S	64QAM	1	31	H	34.25	40.74	55
High	50M	DFT-S	64QAM			V	39.63		
High	50M	DFT-S	64QAM	8	4	H	39.54	44.12	55
High	50M	DFT-S	64QAM			V	42.26		

High	50M	DFT-S	64QAM	8	11	H	40.15	45.05	55
High	50M	DFT-S	64QAM			V	43.35		
High	50M	DFT-S	64QAM	8	14	H	40.26	45.04	55
High	50M	DFT-S	64QAM			V	43.28		
High	50M	DFT-S	64QAM	8	20	H	38.63	43.82	55
High	50M	DFT-S	64QAM			V	42.26		
High	50M	DFT-S	64QAM	10	11	H	43.45	46.38	55
High	50M	DFT-S	64QAM			V	43.28		
High	50M	DFT-S	64QAM	16	8	H	39.19	43.99	55
High	50M	DFT-S	64QAM			V	42.25		
High	50M	DFT-S	64QAM	32	0	H	40.24	43.16	55
High	50M	DFT-S	64QAM			V	40.06		
Low	100M	DFT-S	BPSK	1	0	H	36.24	39.94	55
Low	100M	DFT-S	BPSK			V	37.52		
Low	100M	DFT-S	BPSK	1	65	H	36.24	40.44	55
Low	100M	DFT-S	BPSK			V	38.36		
Low	100M	DFT-S	BPSK	8	4	H	44.54	47.56	55
Low	100M	DFT-S	BPSK			V	44.56		
Low	100M	DFT-S	BPSK	8	22	H	44.24	48.92	55
Low	100M	DFT-S	BPSK			V	47.11		
Low	100M	DFT-S	BPSK	8	36	H	44.26	49.06	55
Low	100M	DFT-S	BPSK			V	47.32		
Low	100M	DFT-S	BPSK	8	54	H	44.63	49.05	55
Low	100M	DFT-S	BPSK			V	47.11		
Low	100M	DFT-S	BPSK	20	23	H	47.41	50.67	55
Low	100M	DFT-S	BPSK			V	47.9		
Low	100M	DFT-S	BPSK	32	16	H	43.63	48.33	55
Low	100M	DFT-S	BPSK			V	46.54		
Low	100M	DFT-S	BPSK	64	0	H	40.52	45.32	55
Low	100M	DFT-S	BPSK			V	43.57		
Low	100M	DFT-S	QPSK	1	0	H	30.21	40.82	55
Low	100M	DFT-S	QPSK			V	40.42		
Low	100M	DFT-S	QPSK	1	65	H	37.53	40.07	55
Low	100M	DFT-S	QPSK			V	36.54		
Low	100M	DFT-S	QPSK	8	4	H	43.55	48.11	55
Low	100M	DFT-S	QPSK			V	46.24		
Low	100M	DFT-S	QPSK	8	22	H	43.24	48.01	55
Low	100M	DFT-S	QPSK			V	46.25		
Low	100M	DFT-S	QPSK	8	36	H	44.05	48.36	55
Low	100M	DFT-S	QPSK			V	46.35		
Low	100M	DFT-S	QPSK	8	54	H	43.21	48.22	55
Low	100M	DFT-S	QPSK			V	46.57		
Low	100M	DFT-S	QPSK	20	23	H	47.15	50.52	55

Low	100M	DFT-S	QPSK			V	47.84		
Low	100M	DFT-S	QPSK	32	16	H	45.68	49.46	55
Low	100M	DFT-S	QPSK			V	47.11		
Low	100M	DFT-S	QPSK	64	0	H	40.68	45.23	55
Low	100M	DFT-S	QPSK			V	43.35		
Low	100M	DFT-S	16QAM	1	0	H	36.42	41.36	55
Low	100M	DFT-S	16QAM			V	39.68		
Low	100M	DFT-S	16QAM	1	65	H	39.65	41.24	55
Low	100M	DFT-S	16QAM			V	36.11		
Low	100M	DFT-S	16QAM	8	4	H	43.11	47.18	55
Low	100M	DFT-S	16QAM			V	45.02		
Low	100M	DFT-S	16QAM	8	22	H	44.21	48.42	55
Low	100M	DFT-S	16QAM			V	46.35		
Low	100M	DFT-S	16QAM	8	36	H	44.85	48.67	55
Low	100M	DFT-S	16QAM			V	46.35		
Low	100M	DFT-S	16QAM	8	54	H	44.05	47.74	55
Low	100M	DFT-S	16QAM			V	45.32		
Low	100M	DFT-S	16QAM	20	23	H	46.35	49.36	55
Low	100M	DFT-S	16QAM			V	46.35		
Low	100M	DFT-S	16QAM	32	16	H	44.32	47.81	55
Low	100M	DFT-S	16QAM			V	45.24		
Low	100M	DFT-S	16QAM	64	0	H	40.69	45.31	55
Low	100M	DFT-S	16QAM			V	43.47		
Low	100M	DFT-S	64QAM	1	0	H	33.86	40.58	55
Low	100M	DFT-S	64QAM			V	39.54		
Low	100M	DFT-S	64QAM	1	65	H	39.54	41.21	55
Low	100M	DFT-S	64QAM			V	36.24		
Low	100M	DFT-S	64QAM	8	4	H	40.25	44.30	55
Low	100M	DFT-S	64QAM			V	42.12		
Low	100M	DFT-S	64QAM	8	22	H	41.63	45.69	55
Low	100M	DFT-S	64QAM			V	43.52		
Low	100M	DFT-S	64QAM	8	36	H	41.85	45.84	55
Low	100M	DFT-S	64QAM			V	43.63		
Low	100M	DFT-S	64QAM	8	54	H	40.57	44.69	55
Low	100M	DFT-S	64QAM			V	42.56		
Low	100M	DFT-S	64QAM	20	23	H	43.04	46.14	55
Low	100M	DFT-S	64QAM			V	43.22		
Low	100M	DFT-S	64QAM	32	16	H	41.12	44.77	55
Low	100M	DFT-S	64QAM			V	42.32		
Low	100M	DFT-S	64QAM	64	0	H	40.55	43.39	55
Low	100M	DFT-S	64QAM			V	40.21		
Mid	100M	DFT-S	BPSK	1	0	H	41.21	41.98	55
Mid	100M	DFT-S	BPSK			V	34.11		

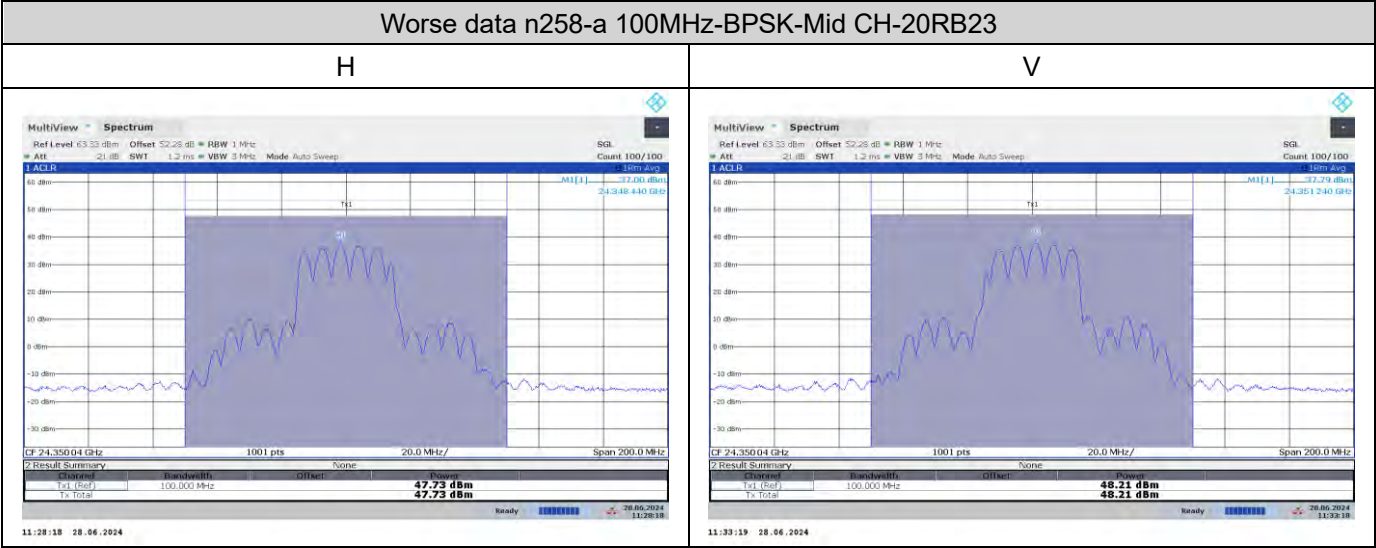
Mid	100M	DFT-S	BPSK	1	65	H	33.25	41.89	55
Mid	100M	DFT-S	BPSK			V	41.25		
Mid	100M	DFT-S	BPSK	8	4	H	47.35	50.36	55
Mid	100M	DFT-S	BPSK			V	47.35		
Mid	100M	DFT-S	BPSK	8	22	H	47.01	50.29	55
Mid	100M	DFT-S	BPSK			V	47.54		
Mid	100M	DFT-S	BPSK	8	36	H	47.21	50.24	55
Mid	100M	DFT-S	BPSK			V	47.24		
Mid	100M	DFT-S	BPSK	8	54	H	47.26	50.30	55
Mid	100M	DFT-S	BPSK			V	47.32		
Mid	100M	DFT-S	BPSK	20	23	H	47.73	50.99	55
Mid	100M	DFT-S	BPSK			V	48.21		
Mid	100M	DFT-S	BPSK	32	16	H	47.36	50.30	55
Mid	100M	DFT-S	BPSK			V	47.21		
Mid	100M	DFT-S	BPSK	64	0	H	40.69	45.30	55
Mid	100M	DFT-S	BPSK			V	43.46		
Mid	100M	DFT-S	QPSK	1	0	H	41.23	41.91	55
Mid	100M	DFT-S	QPSK			V	33.54		
Mid	100M	DFT-S	QPSK	1	65	H	29.65	41.54	55
Mid	100M	DFT-S	QPSK			V	41.25		
Mid	100M	DFT-S	QPSK	8	4	H	47.02	50.21	55
Mid	100M	DFT-S	QPSK			V	47.38		
Mid	100M	DFT-S	QPSK	8	22	H	47.25	50.16	55
Mid	100M	DFT-S	QPSK			V	47.05		
Mid	100M	DFT-S	QPSK	8	36	H	47.2	50.22	55
Mid	100M	DFT-S	QPSK			V	47.21		
Mid	100M	DFT-S	QPSK	8	54	H	47.35	50.32	55
Mid	100M	DFT-S	QPSK			V	47.26		
Mid	100M	DFT-S	QPSK	20	23	H	47.76	50.90	55
Mid	100M	DFT-S	QPSK			V	48.01		
Mid	100M	DFT-S	QPSK	32	16	H	47.32	50.25	55
Mid	100M	DFT-S	QPSK			V	47.15		
Mid	100M	DFT-S	QPSK	64	0	H	40.67	45.24	55
Mid	100M	DFT-S	QPSK			V	43.38		
Mid	100M	DFT-S	16QAM	1	0	H	40.23	40.65	55
Mid	100M	DFT-S	16QAM			V	30.25		
Mid	100M	DFT-S	16QAM	1	65	H	29.56	41.63	55
Mid	100M	DFT-S	16QAM			V	41.35		
Mid	100M	DFT-S	16QAM	8	4	H	45.32	48.28	55
Mid	100M	DFT-S	16QAM			V	45.21		
Mid	100M	DFT-S	16QAM	8	22	H	45.36	48.20	55
Mid	100M	DFT-S	16QAM			V	45.02		
Mid	100M	DFT-S	16QAM	8	36	H	46.14	49.21	55

Mid	100M	DFT-S	16QAM			V	46.25		
Mid	100M	DFT-S	16QAM	8	54	H	45.01	48.19	55
Mid	100M	DFT-S	16QAM			V	45.35		
Mid	100M	DFT-S	16QAM	20	23	H	46.35	49.31	55
Mid	100M	DFT-S	16QAM			V	46.25		
Mid	100M	DFT-S	16QAM	32	16	H	45.24	48.32	55
Mid	100M	DFT-S	16QAM			V	45.38		
Mid	100M	DFT-S	16QAM	64	0	H	40.79	45.29	55
Mid	100M	DFT-S	16QAM			V	43.39		
Mid	100M	DFT-S	64QAM	1	0	H	41.36	41.98	55
Mid	100M	DFT-S	64QAM			V	33.24		
Mid	100M	DFT-S	64QAM	1	65	H	40.21	41.51	55
Mid	100M	DFT-S	64QAM			V	35.63		
Mid	100M	DFT-S	64QAM	8	4	H	42.21	44.95	55
Mid	100M	DFT-S	64QAM			V	41.65		
Mid	100M	DFT-S	64QAM	8	22	H	43.05	46.07	55
Mid	100M	DFT-S	64QAM			V	43.06		
Mid	100M	DFT-S	64QAM	8	36	H	42.35	45.83	55
Mid	100M	DFT-S	64QAM			V	43.24		
Mid	100M	DFT-S	64QAM	8	54	H	42.32	45.20	55
Mid	100M	DFT-S	64QAM			V	42.05		
Mid	100M	DFT-S	64QAM	20	23	H	43.06	46.15	55
Mid	100M	DFT-S	64QAM			V	43.21		
Mid	100M	DFT-S	64QAM	32	16	H	42.11	45.23	55
Mid	100M	DFT-S	64QAM			V	42.32		
Mid	100M	DFT-S	64QAM	64	0	H	40.69	43.49	55
Mid	100M	DFT-S	64QAM			V	40.25		
High	100M	DFT-S	BPSK	1	0	H	36.25	41.01	55
High	100M	DFT-S	BPSK			V	39.24		
High	100M	DFT-S	BPSK	1	65	H	36.52	41.15	55
High	100M	DFT-S	BPSK			V	39.32		
High	100M	DFT-S	BPSK	8	4	H	45.36	49.39	55
High	100M	DFT-S	BPSK			V	47.21		
High	100M	DFT-S	BPSK	8	22	H	45.03	49.21	55
High	100M	DFT-S	BPSK			V	47.12		
High	100M	DFT-S	BPSK	8	36	H	45.23	49.56	55
High	100M	DFT-S	BPSK			V	47.56		
High	100M	DFT-S	BPSK	8	54	H	45.32	49.52	55
High	100M	DFT-S	BPSK			V	47.44		
High	100M	DFT-S	BPSK	20	23	H	47.15	50.42	55
High	100M	DFT-S	BPSK			V	47.65		
High	100M	DFT-S	BPSK	32	16	H	45.22	49.41	55
High	100M	DFT-S	BPSK			V	47.32		

High	100M	DFT-S	BPSK	64	0	H	40.69	45.19	55
High	100M	DFT-S	BPSK			V	43.28		
High	100M	DFT-S	QPSK	1	0	H	39.25	40.41	55
High	100M	DFT-S	QPSK			V	34.12		
High	100M	DFT-S	QPSK	1	65	H	28.11	41.27	55
High	100M	DFT-S	QPSK			V	41.05		
High	100M	DFT-S	QPSK	8	4	H	45.12	49.24	55
High	100M	DFT-S	QPSK			V	47.11		
High	100M	DFT-S	QPSK	8	22	H	45.03	49.33	55
High	100M	DFT-S	QPSK			V	47.32		
High	100M	DFT-S	QPSK	8	36	H	45.36	49.36	55
High	100M	DFT-S	QPSK			V	47.15		
High	100M	DFT-S	QPSK	8	54	H	45.11	49.36	55
High	100M	DFT-S	QPSK			V	47.32		
High	100M	DFT-S	QPSK	20	23	H	47.09	50.18	55
High	100M	DFT-S	QPSK			V	47.24		
High	100M	DFT-S	QPSK	32	16	H	42.35	45.31	55
High	100M	DFT-S	QPSK			V	42.25		
High	100M	DFT-S	QPSK	64	0	H	40.78	45.16	55
High	100M	DFT-S	QPSK			V	43.19		
High	100M	DFT-S	16QAM	1	0	H	39.32	40.47	55
High	100M	DFT-S	16QAM			V	34.12		
High	100M	DFT-S	16QAM	1	65	H	28.32	41.47	55
High	100M	DFT-S	16QAM			V	41.25		
High	100M	DFT-S	16QAM	8	4	H	43.25	47.44	55
High	100M	DFT-S	16QAM			V	45.35		
High	100M	DFT-S	16QAM	8	22	H	44.25	48.39	55
High	100M	DFT-S	16QAM			V	46.28		
High	100M	DFT-S	16QAM	8	36	H	44.05	48.24	55
High	100M	DFT-S	16QAM			V	46.15		
High	100M	DFT-S	16QAM	8	54	H	43.05	47.21	55
High	100M	DFT-S	16QAM			V	45.11		
High	100M	DFT-S	16QAM	20	23	H	46.32	49.31	55
High	100M	DFT-S	16QAM			V	46.28		
High	100M	DFT-S	16QAM	32	16	H	43.11	47.33	55
High	100M	DFT-S	16QAM			V	45.26		
High	100M	DFT-S	16QAM	64	0	H	40.79	45.16	55
High	100M	DFT-S	16QAM			V	43.18		
High	100M	DFT-S	64QAM	1	0	H	39.24	40.22	55
High	100M	DFT-S	64QAM			V	33.25		
High	100M	DFT-S	64QAM	1	65	H	28.11	41.52	55
High	100M	DFT-S	64QAM			V	41.32		
High	100M	DFT-S	64QAM	8	4	H	40.22	44.28	55

High	100M	DFT-S	64QAM			V	42.12		
High	100M	DFT-S	64QAM	8	22	H	41.05	45.17	55
High	100M	DFT-S	64QAM			V	43.05		
High	100M	DFT-S	64QAM	8	36	H	41.24	45.35	55
High	100M	DFT-S	64QAM			V	43.21		
High	100M	DFT-S	64QAM	8	54	H	40.06	43.22	55
High	100M	DFT-S	64QAM			V	40.36		
High	100M	DFT-S	64QAM	20	23	H	43.21	46.17	55
High	100M	DFT-S	64QAM			V	43.11		
High	100M	DFT-S	64QAM	32	16	H	40.01	44.22	55
High	100M	DFT-S	64QAM			V	42.15		
High	100M	DFT-S	64QAM	64	0	H	40.46	43.35	55
High	100M	DFT-S	64QAM			V	40.22		
Mid	200M	DFT-S	BPSK	1	0	H	36.24	40.62	55
Mid	200M	DFT-S	BPSK			V	38.65		
Mid	200M	DFT-S	BPSK	1	131	H	36.35	40.59	55
Mid	200M	DFT-S	BPSK			V	38.54		
Mid	200M	DFT-S	BPSK	8	4	H	43.25	47.30	55
Mid	200M	DFT-S	BPSK			V	45.12		
Mid	200M	DFT-S	BPSK	8	44	H	45.13	48.90	55
Mid	200M	DFT-S	BPSK			V	46.53		
Mid	200M	DFT-S	BPSK	8	80	H	46.14	49.68	55
Mid	200M	DFT-S	BPSK			V	47.15		
Mid	200M	DFT-S	BPSK	8	120	H	44.13	47.78	55
Mid	200M	DFT-S	BPSK			V	45.32		
Mid	200M	DFT-S	BPSK	40	44	H	47.27	50.57	55
Mid	200M	DFT-S	BPSK			V	47.83		
Mid	200M	DFT-S	BPSK	64	32	H	44.16	47.81	55
Mid	200M	DFT-S	BPSK			V	45.35		
Mid	200M	DFT-S	BPSK	128	0	H	40.74	45.24	55
Mid	200M	DFT-S	BPSK			V	43.33		
Mid	200M	DFT-S	QPSK	1	0	H	37.26	40.26	55
Mid	200M	DFT-S	QPSK			V	37.24		
Mid	200M	DFT-S	QPSK	1	131	H	40.35	40.87	55
Mid	200M	DFT-S	QPSK			V	31.36		
Mid	200M	DFT-S	QPSK	8	4	H	43.25	47.42	55
Mid	200M	DFT-S	QPSK			V	45.32		
Mid	200M	DFT-S	QPSK	8	44	H	46.24	49.84	55
Mid	200M	DFT-S	QPSK			V	47.35		
Mid	200M	DFT-S	QPSK	8	80	H	45.35	49.42	55
Mid	200M	DFT-S	QPSK			V	47.26		
Mid	200M	DFT-S	QPSK	8	120	H	44.23	47.27	55
Mid	200M	DFT-S	QPSK			V	44.28		

Mid	200M	DFT-S	QPSK	40	44	H	47.58	50.39	55
Mid	200M	DFT-S	QPSK			V	47.18		
Mid	200M	DFT-S	QPSK	64	32	H	44.36	47.84	55
Mid	200M	DFT-S	QPSK			V	45.26		
Mid	200M	DFT-S	QPSK	128	0	H	40.79	45.30	55
Mid	200M	DFT-S	QPSK			V	43.4		
Mid	200M	DFT-S	16QAM	1	0	H	37.63	40.39	55
Mid	200M	DFT-S	16QAM			V	37.12		
Mid	200M	DFT-S	16QAM	1	131	H	41.06	41.44	55
Mid	200M	DFT-S	16QAM			V	30.63		
Mid	200M	DFT-S	16QAM	8	4	H	42.36	46.01	55
Mid	200M	DFT-S	16QAM			V	43.56		
Mid	200M	DFT-S	16QAM	8	44	H	44.25	47.79	55
Mid	200M	DFT-S	16QAM			V	45.25		
Mid	200M	DFT-S	16QAM	8	80	H	45.12	48.74	55
Mid	200M	DFT-S	16QAM			V	46.26		
Mid	200M	DFT-S	16QAM	8	120	H	43.25	46.79	55
Mid	200M	DFT-S	16QAM			V	44.25		
Mid	200M	DFT-S	16QAM	40	44	H	46.11	49.19	55
Mid	200M	DFT-S	16QAM			V	46.25		
Mid	200M	DFT-S	16QAM	64	32	H	43.05	46.63	55
Mid	200M	DFT-S	16QAM			V	44.12		
Mid	200M	DFT-S	16QAM	128	0	H	40.69	45.19	55
Mid	200M	DFT-S	16QAM			V	43.29		
Mid	200M	DFT-S	64QAM	1	0	H	37.21	38.36	55
Mid	200M	DFT-S	64QAM			V	32.02		
Mid	200M	DFT-S	64QAM	1	131	H	40.21	40.73	55
Mid	200M	DFT-S	64QAM			V	31.26		
Mid	200M	DFT-S	64QAM	8	4	H	40.35	43.95	55
Mid	200M	DFT-S	64QAM			V	41.45		
Mid	200M	DFT-S	64QAM	8	44	H	41.58	45.51	55
Mid	200M	DFT-S	64QAM			V	43.25		
Mid	200M	DFT-S	64QAM	8	80	H	42.05	45.57	55
Mid	200M	DFT-S	64QAM			V	43.02		
Mid	200M	DFT-S	64QAM	8	120	H	41.23	44.78	55
Mid	200M	DFT-S	64QAM			V	42.25		
Mid	200M	DFT-S	64QAM	40	44	H	43.63	46.62	55
Mid	200M	DFT-S	64QAM			V	43.58		
Mid	200M	DFT-S	64QAM	64	32	H	41.21	44.83	55
Mid	200M	DFT-S	64QAM			V	42.36		
Mid	200M	DFT-S	64QAM	128	0	H	40.54	43.46	55
Mid	200M	DFT-S	64QAM			V	40.35		



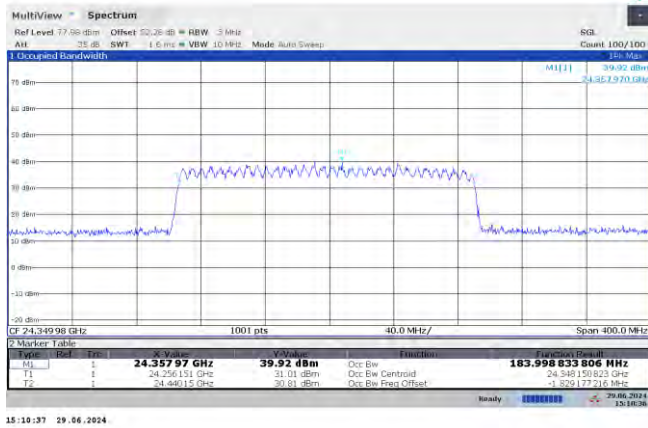
2. Occupied Bandwidth

Test Result

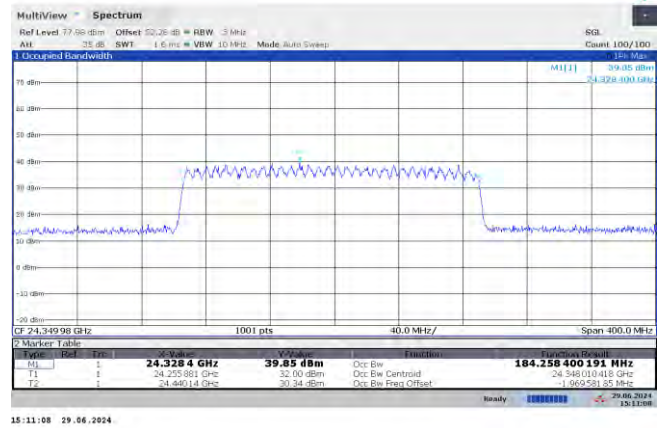
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)
n258a	200MHz	BPSK	Mid	128RB#0	183.998
n258a	200MHz	QPSK	Mid	128RB#0	184.258
n258a	200MHz	16QAM	Mid	128RB#0	185.300
n258a	200MHz	64QAM	Mid	128RB#0	185.803
n258a	100MHz	BPSK	Mid	64RB#0	90.161
n258a	100MHz	QPSK	Mid	64RB#0	90.995
n258a	100MHz	16QAM	Mid	64RB#0	90.442
n258a	100MHz	64QAM	Mid	64RB#0	90.770
n258a	50MHz	BPSK	Mid	32RB#0	46.272
n258a	50MHz	QPSK	Mid	32RB#0	46.619
n258a	50MHz	16QAM	Mid	32RB#0	46.411
n258a	50MHz	64QAM	Mid	32RB#0	46.370

Test Graphs

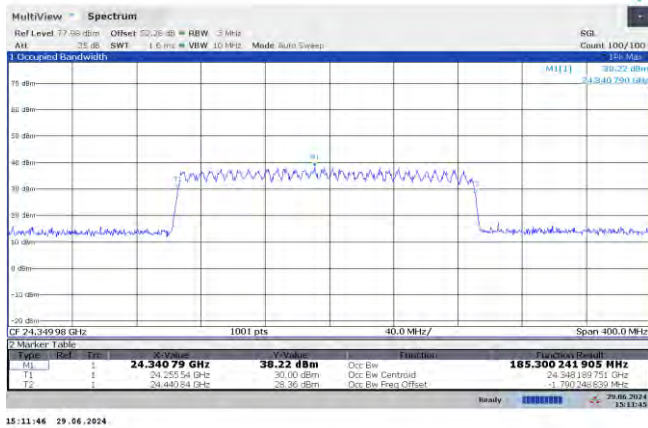
n258-a 200MHz-BPSK-Mid CH-128RB0



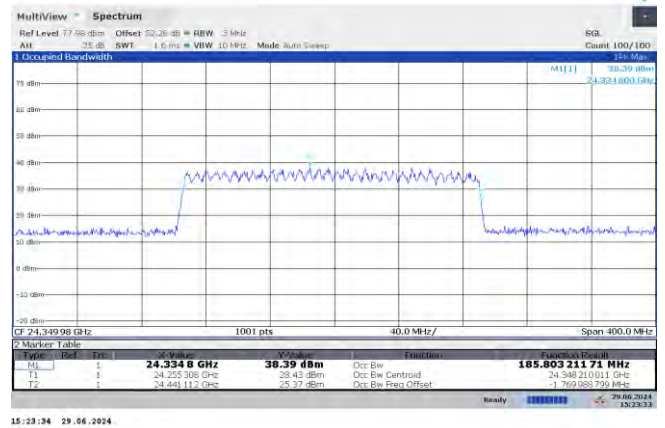
n258-a 200MHz-QPSK-Mid CH-128RB0



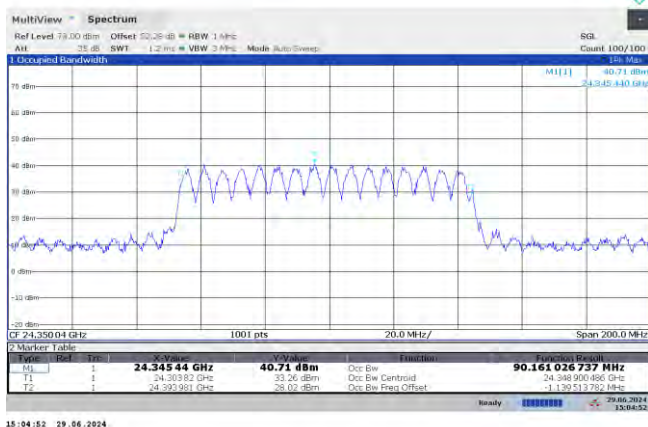
n258-a 200MHz-16QAM-Mid CH-128RB0



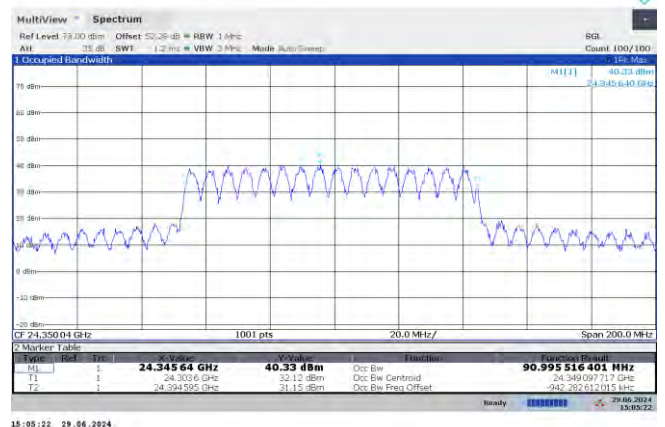
n258-a 200MHz-64QAM-Mid CH-128RB0



n258-a 100MHz-BPSK-Mid CH-64RB0

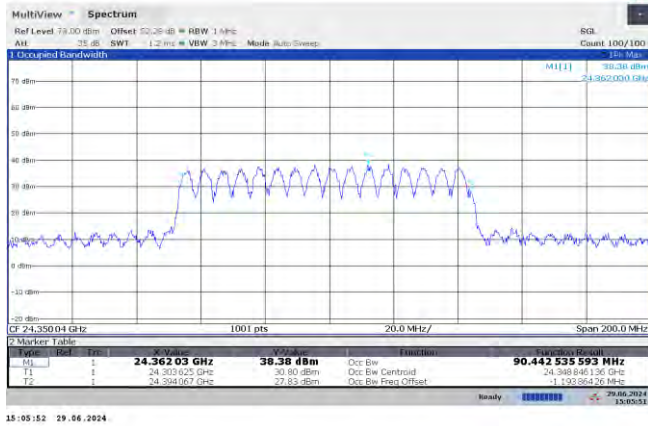


n258-a 100MHz-QPSK-Mid CH-64RB0

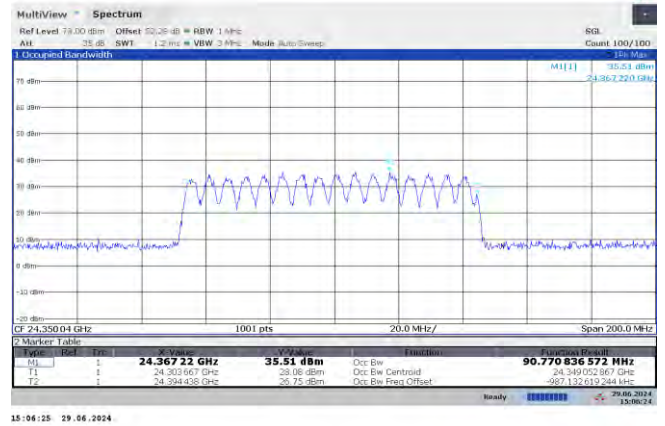


n258-a 100MHz-16QAM-Mid CH-64RB0

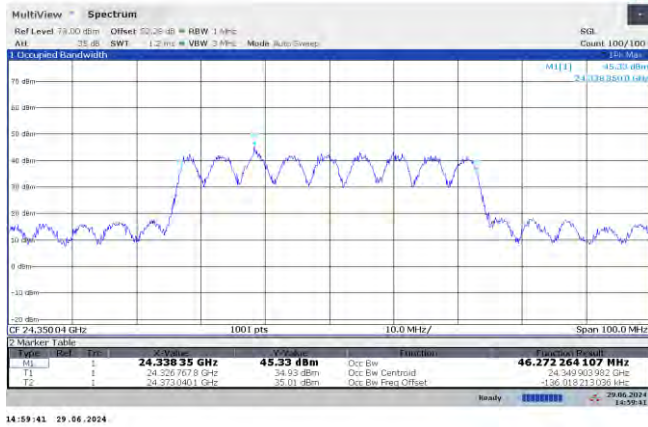
n258-a 100MHz-64QAM-Mid CH-64RB0



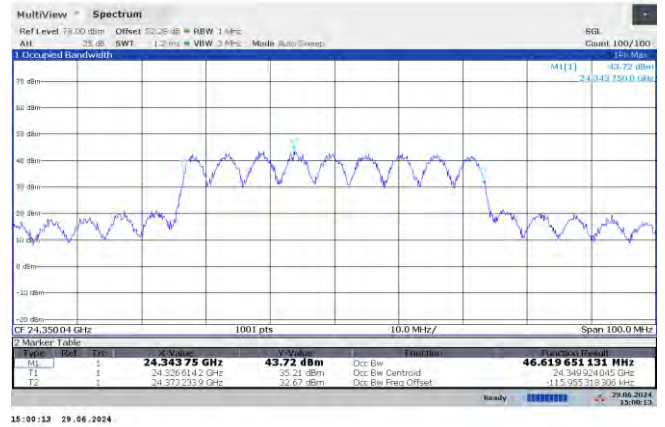
n258-a 50MHz-BPSK-Mid CH-32RB0



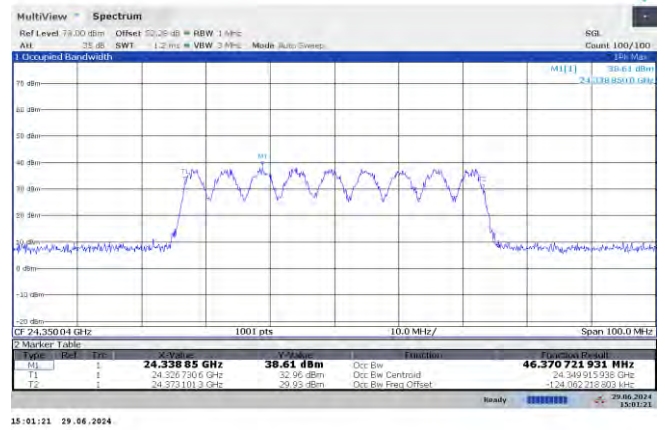
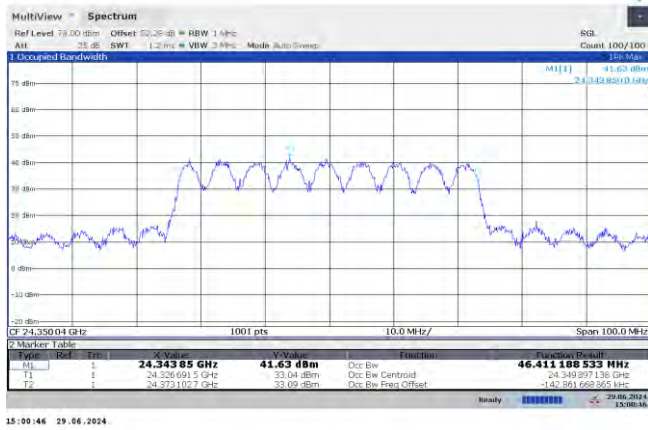
n258-a 50MHz-QPSK-Mid CH-32RB0



n258-a 50MHz-16QAM-Mid CH-32RB0



n258-a 50MHz-64QAM-Mid CH-32RB0



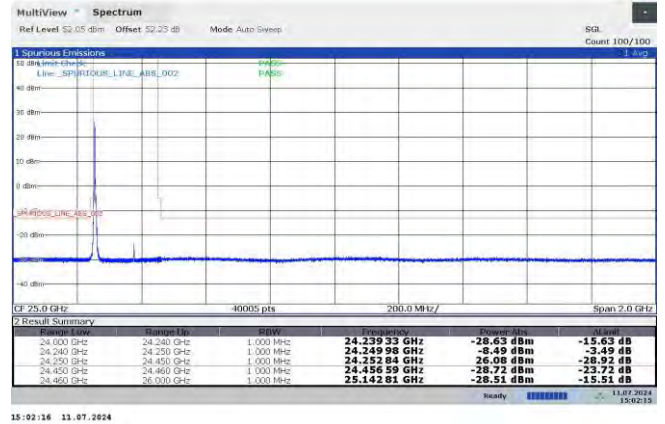
3. Out-of-Band Emissions at the Band Edge

Test Graphs

n258-a 50MHz-BPSK-Low -H-1RB0



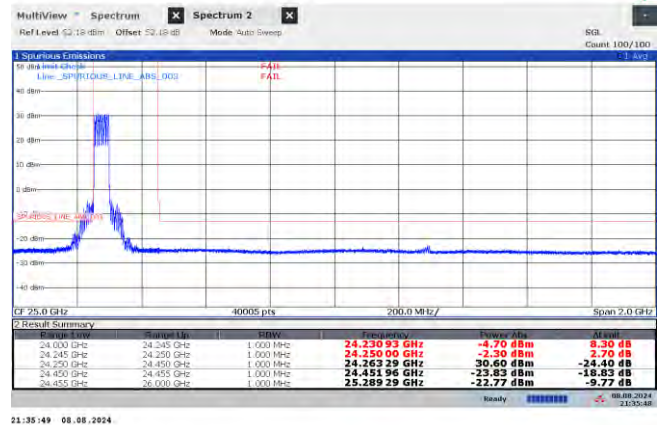
n258-a 50MHz-BPSK-Low -V-1RB0



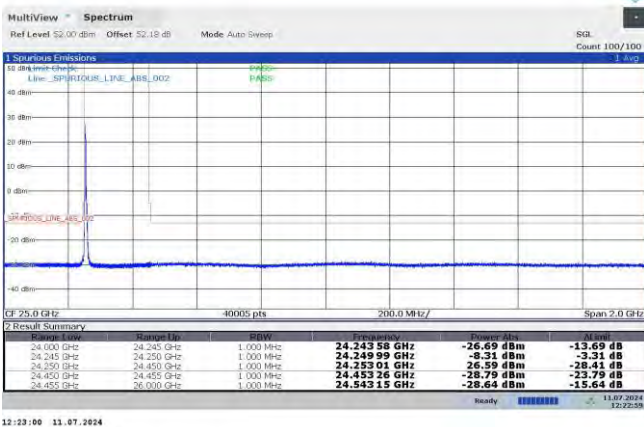
n258-a 50MHz-BPSK-Low -H-32RB0



n258-a 50MHz-BPSK-Low -V-32RB0



n258-a 50MHz-QPSK-Low -H-1RB0



n258-a 50MHz-QPSK-Low -V-1RB0



n258-a 50MHz-QPSK-Low -H-32RB0



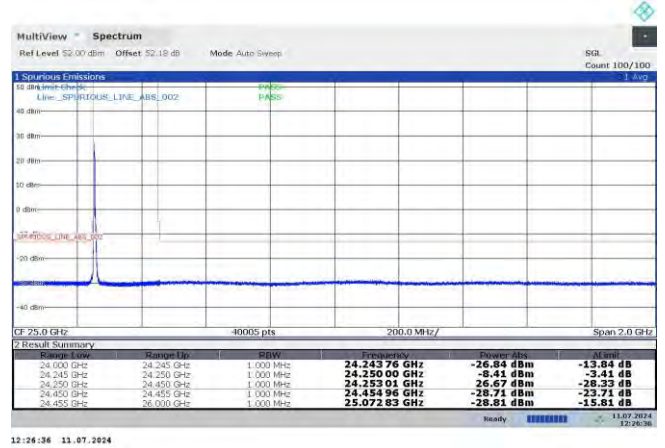
n258-a 50MHz-QPSK-Low -V-32RB0



n258-a 50MHz-16QAM-Low -H-1RB0



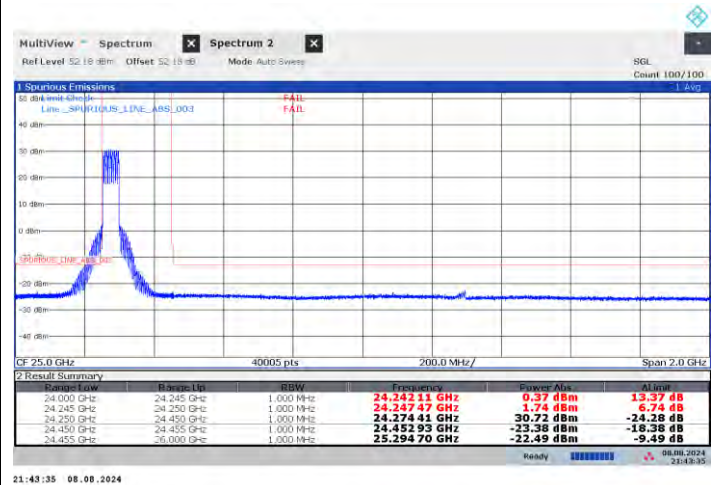
n258-a 50MHz-16QAM -Low -V-1RB0



n258-a 50MHz-16QAM -Low -H-32RB0



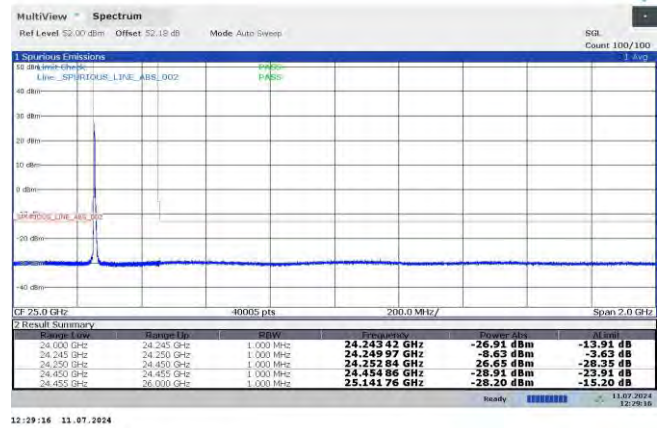
n258-a 50MHz-16QAM -Low -V-32RB0



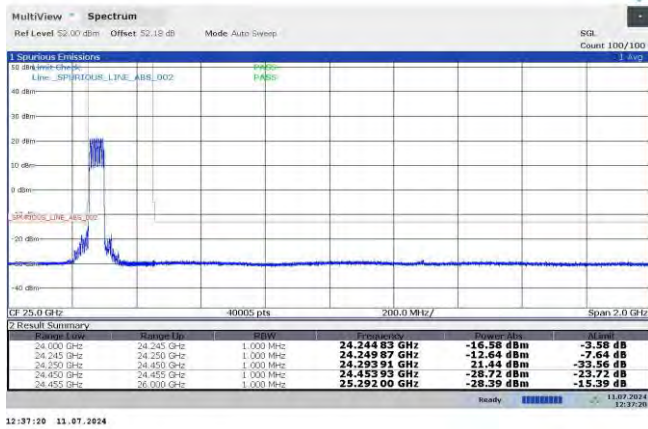
n258-a 50MHz-64QAM-Low -H-1RB0



n258-a 50MHz-64QAM -Low -V-1RB0



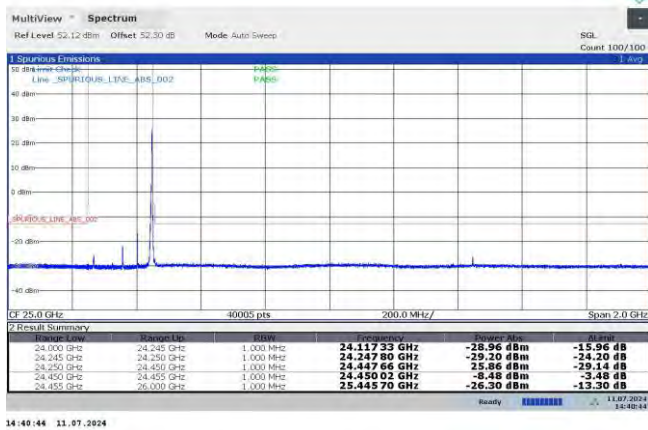
n258-a 50MHz-64QAM -Low -H-32RB0



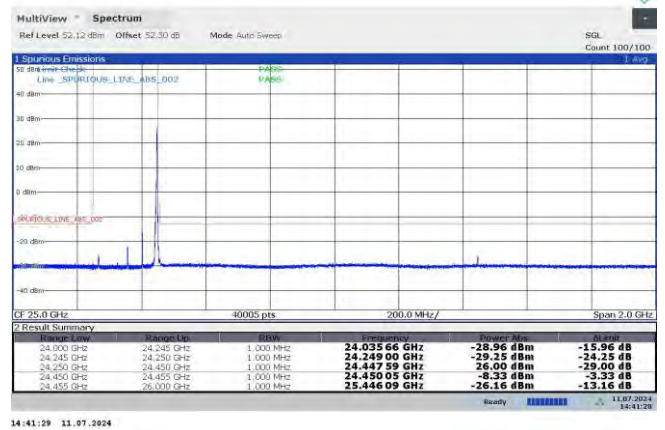
n258-a 50MHz-64QAM -Low -V-32RB0



n258-a 50MHz-BPSK-High -H-1RB31



n258-a 50MHz-BPSK- High -V-1RB31



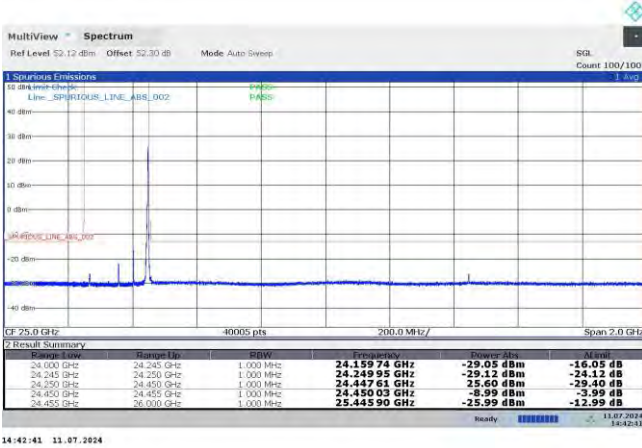
n258-a 50MHz-BPSK- High -H-32RB0



n258-a 50MHz-BPSK- High -V-32RB0



n258-a 50MHz-QPSK- High -H-1RB31



n258-a 50MHz-QPSK- High -V-1RB31



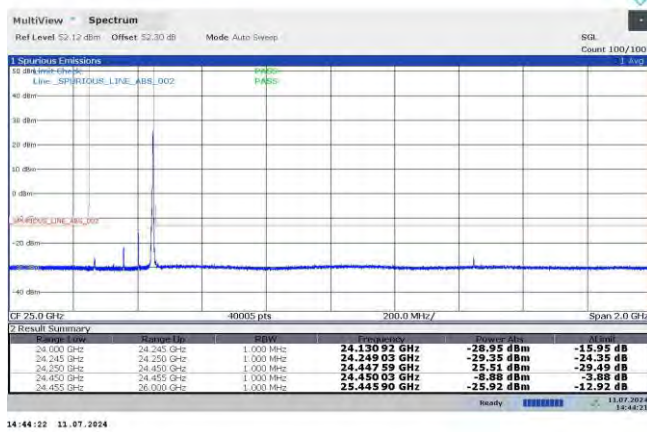
n258-a 50MHz-QPSK- High -H-32RB0



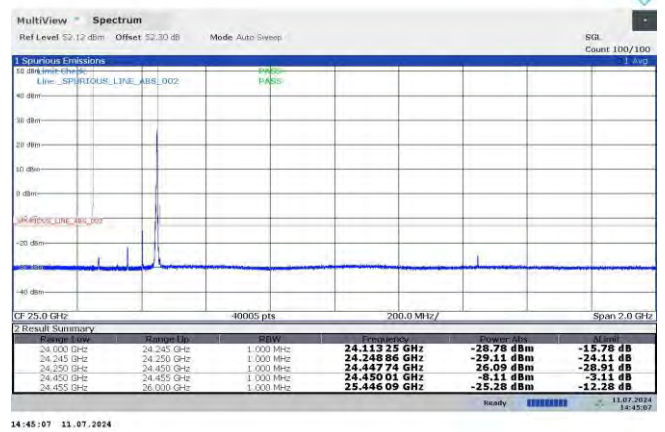
n258-a 50MHz-QPSK- High -V-32RB0



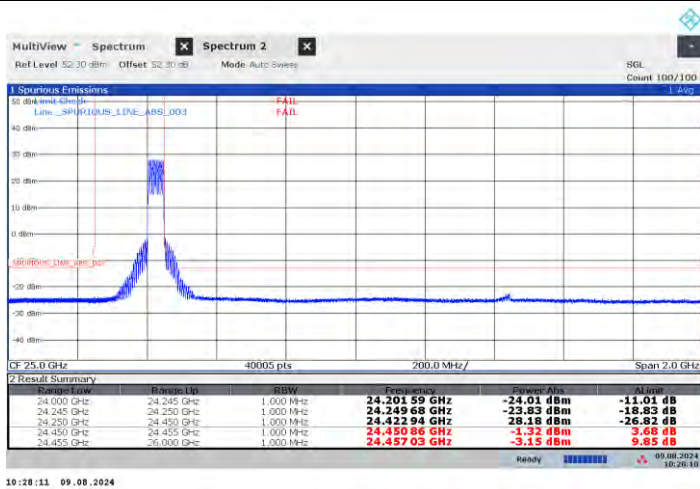
n258-a 50MHz-16QAM- High -H-1RB31



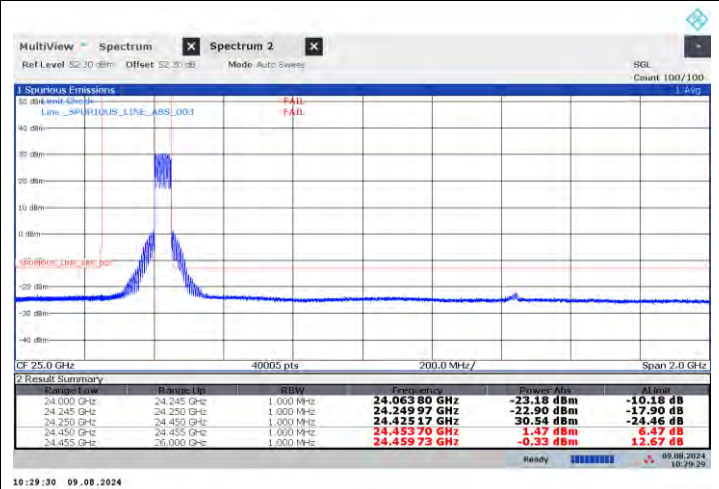
n258-a 50MHz-16QAM - High -V-1RB31



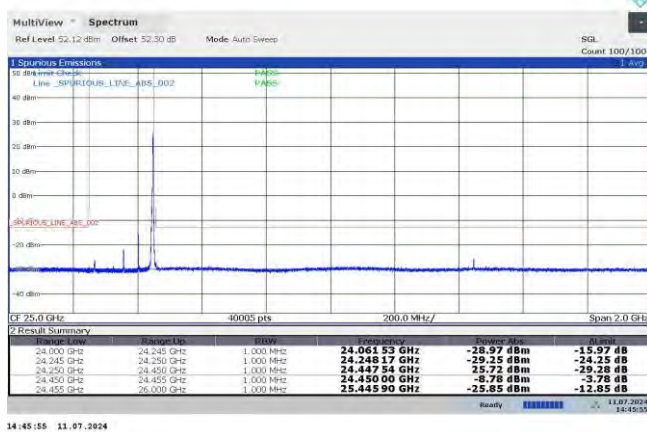
n258-a 50MHz-16QAM - High -H-32RB0



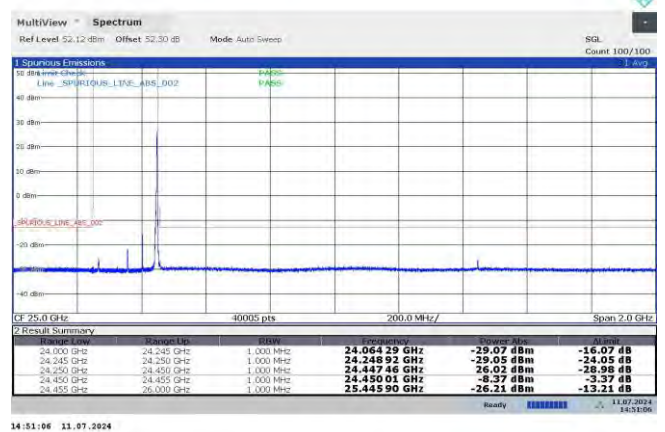
n258-a 50MHz-16QAM - High -V-32RB0



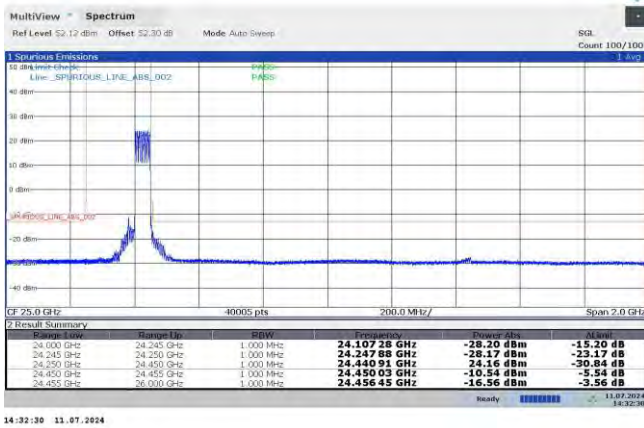
n258-a 50MHz-64QAM- High -H-1RB31



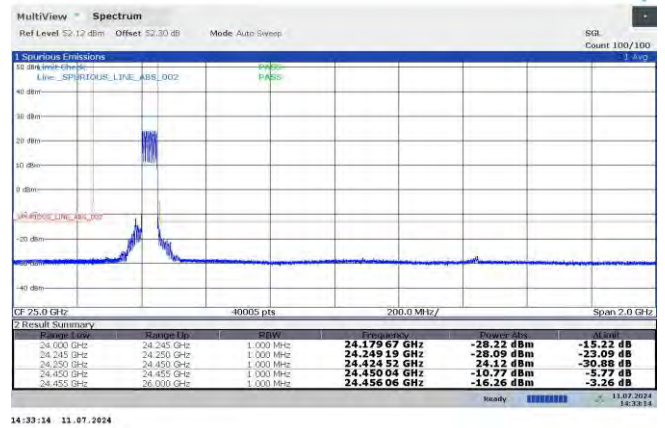
n258-a 50MHz-64QAM - High -V-1RB31



n258-a 50MHz-64QAM - High -H-32RB0



n258-a 50MHz-64QAM - High -V-32RB0



n258-a 100MHz-BPSK-Low -H-1RB0



n258-a 100MHz-BPSK-Low -V-1RB0



n258-a 100MHz-BPSK-Low -H-64RB0



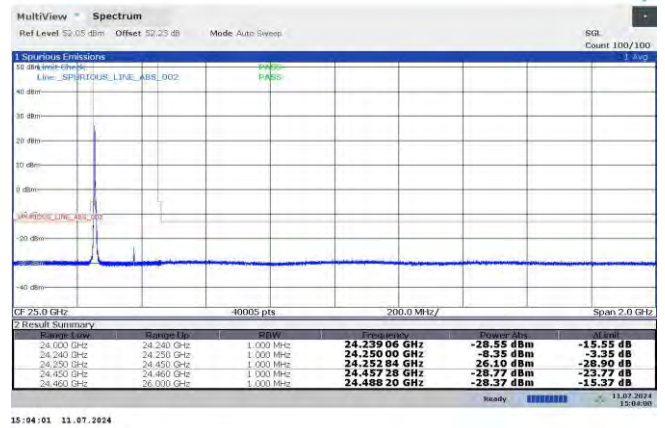
n258-a 100MHz-BPSK-Low -V-64RB0



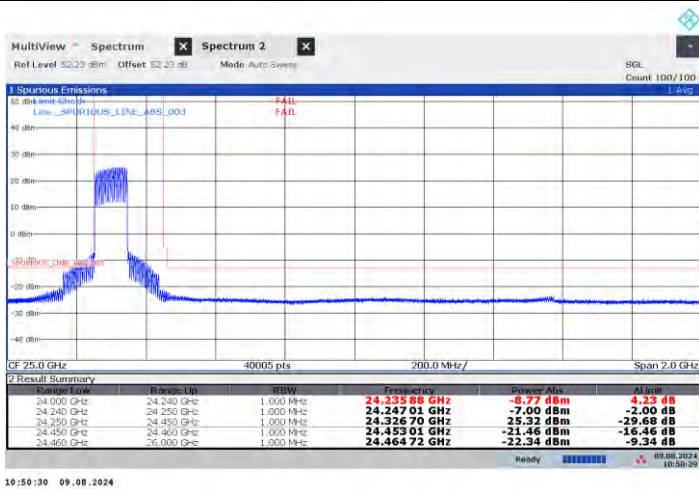
n258-a 100MHz-QPSK-Low -H-1RB0



n258-a 100MHz-QPSK-Low -V-1RB0



n258-a 100MHz-QPSK-Low -H-64RB0



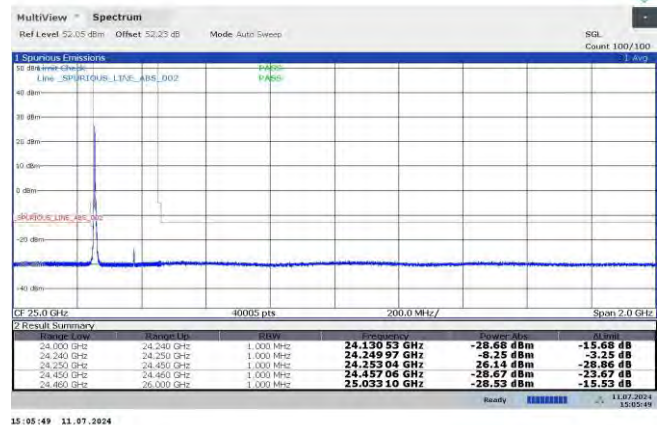
n258-a 100MHz-QPSK-Low -V-64RB0



n258-a 100MHz-16QAM-Low -H-1RB0



n258-a 100MHz-16QAM -Low -V-1RB0



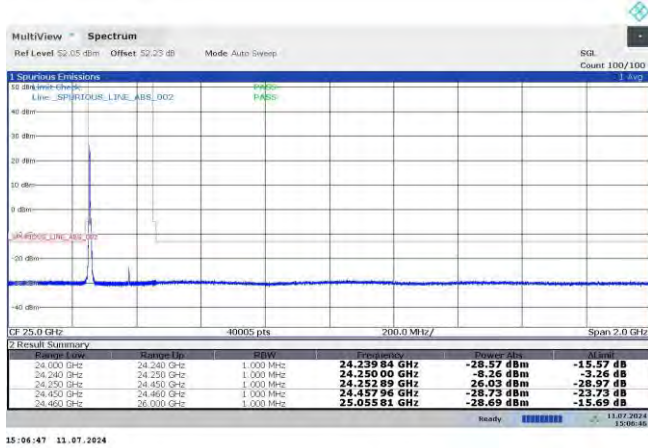
n258-a 100MHz-16QAM -Low -H-64RB0



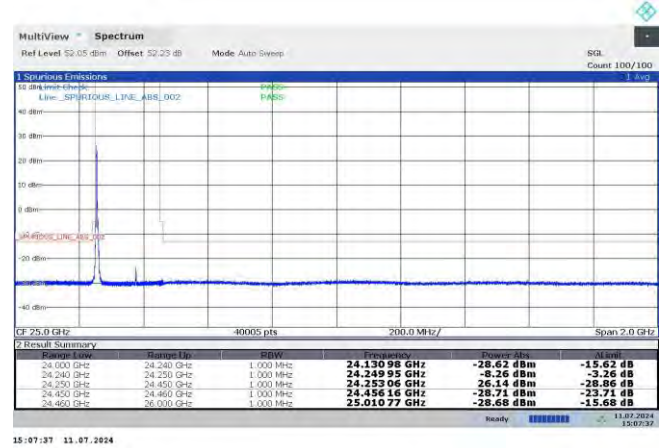
n258-a 100MHz-16QAM -Low -V-64RB0



n258-a 100MHz-64QAM-Low -H-1RB0



n258-a 100MHz-64QAM -Low -V-1RB0



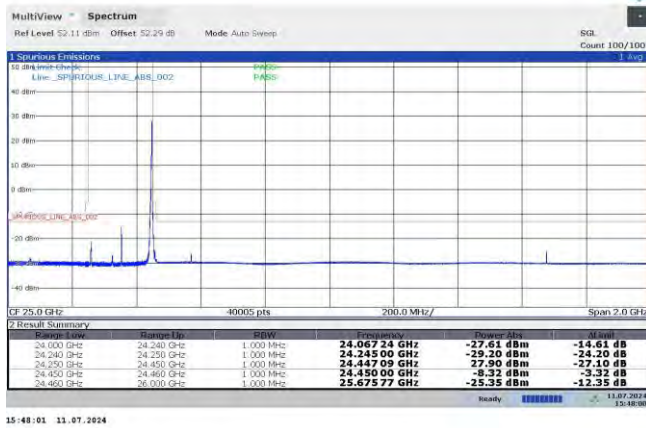
n258-a 100MHz-64QAM -Low -H-64RB0



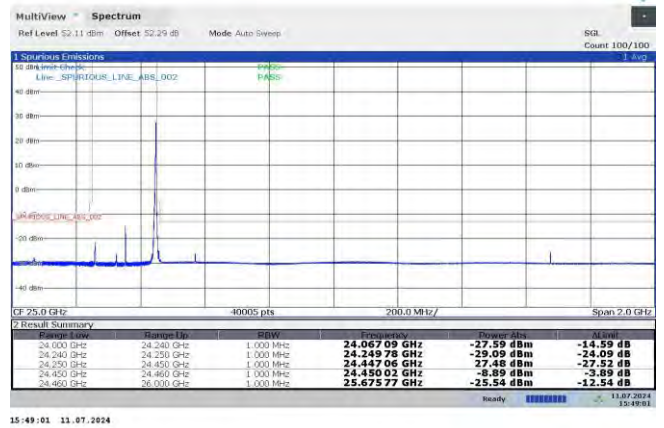
n258-a 100MHz-64QAM -Low -V-64RB0



n258-a 100MHz-BPSK-High -H-1RB65



n258-a 100MHz-BPSK- High -V-1RB65



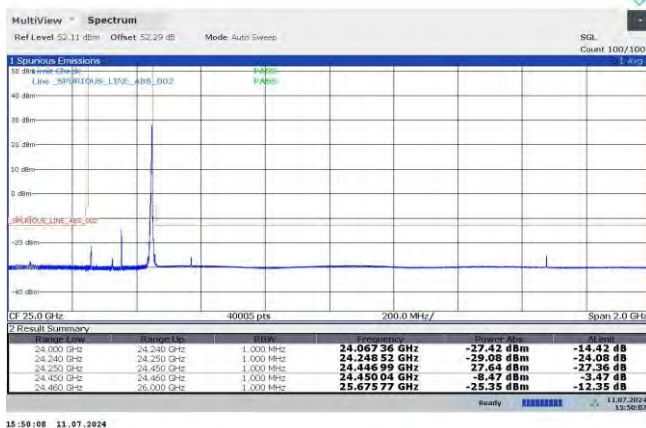
n258-a 100MHz-BPSK- High -H-64RB0



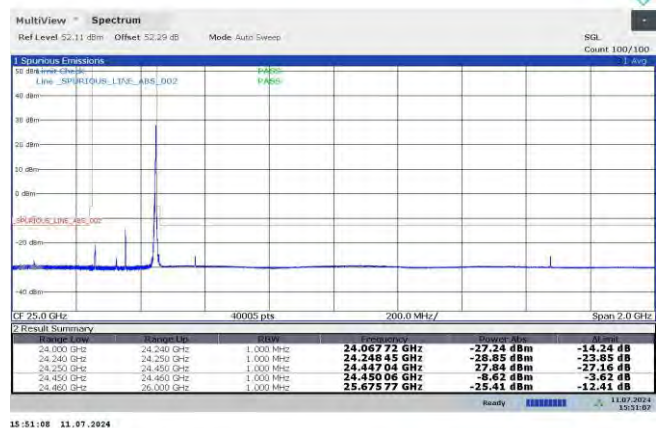
n258-a 100MHz-BPSK- High -V-64RB0



n258-a 100MHz-QPSK- High -H-1RB65



n258-a 100MHz-QPSK- High -V-1RB65



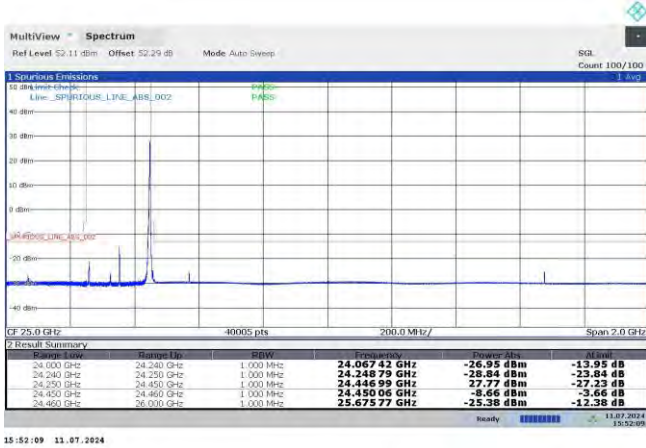
n258-a 100MHz-QPSK- High -H-64RB0



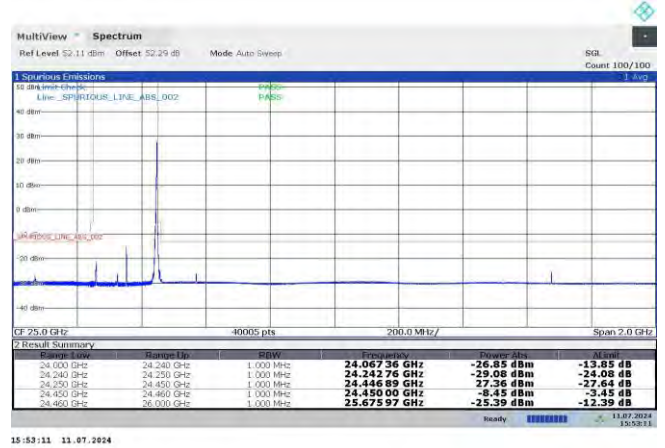
n258-a 100MHz-QPSK- High -V-64RB0



n258-a 100MHz-16QAM- High -H-1RB65



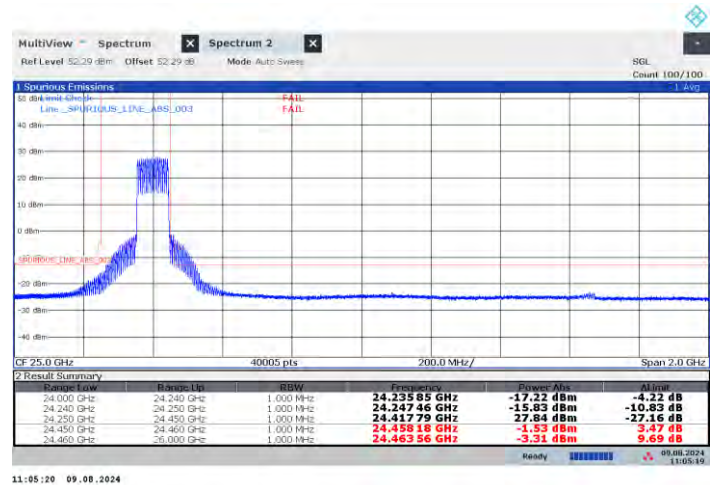
n258-a 100MHz-16QAM - High -V-1RB65



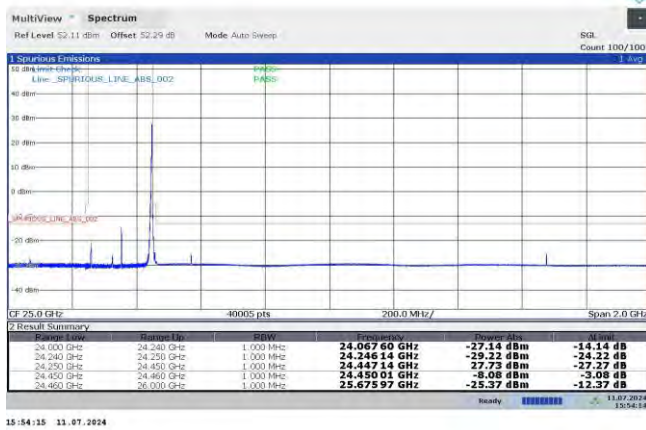
n258-a 100MHz-16QAM - High -H-64RB0



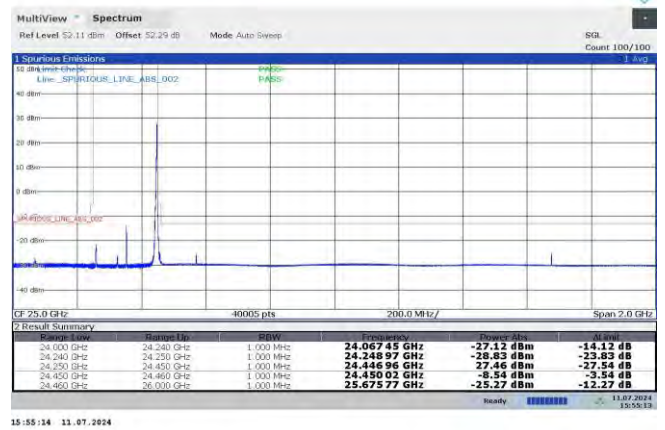
n258-a 100MHz-16QAM - High -V-64RB0



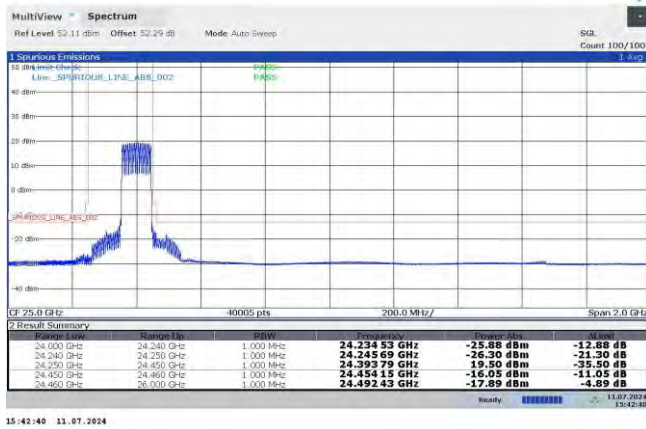
n258-a 100MHz-64QAM- High -H-1RB65



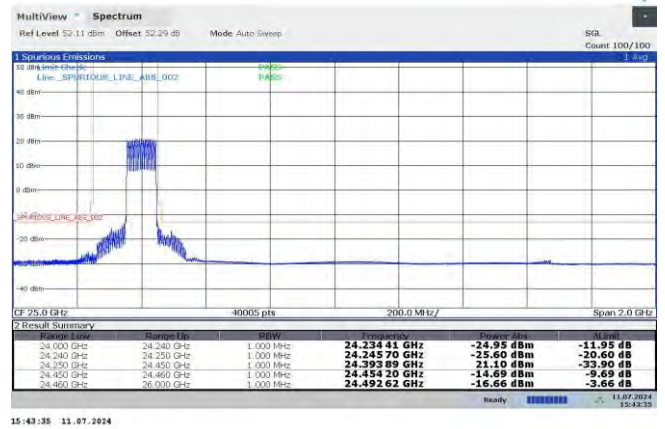
n258-a 100MHz-64QAM - High -V-1RB65



n258-a 100MHz-64QAM - High -H-64RB0



n258-a 100MHz-64QAM - High -V-64RB0



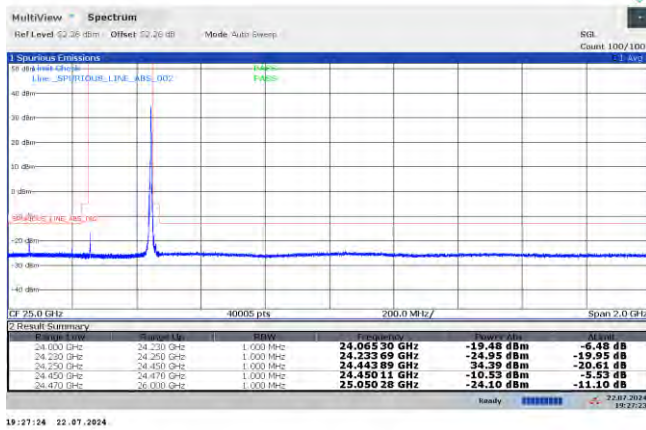
n258-a 200MHz-BPSK - Mid -H-1RB0



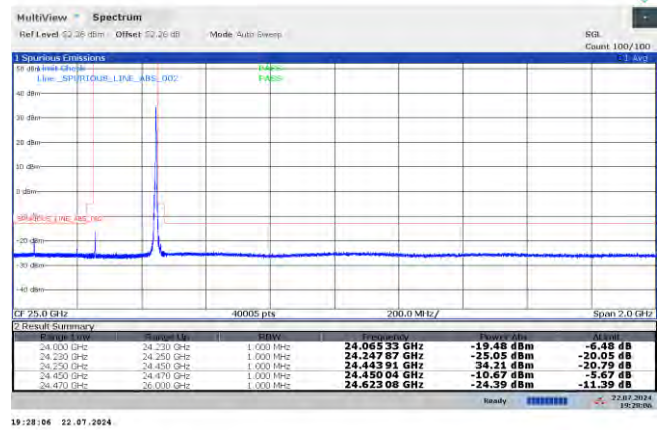
n258-a 200MHz-BPSK - Mid -V 1RB0



n258-a 200MHz- BPSK - Mid -H-1RB131



n258-a 200MHz- BPSK - Mid -V 1RB131



n258-a 200MHz- BPSK - Mid -H-128RB0



n258-a 200MHz- BPSK - Mid -V 128RB0



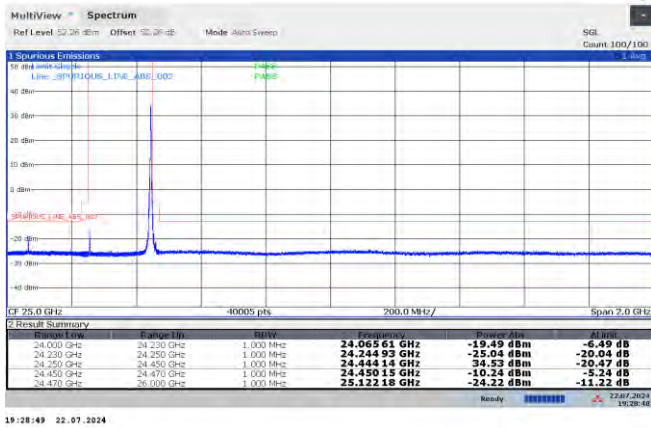
n258-a 200MHz-QPSK - Mid -H-1RB0



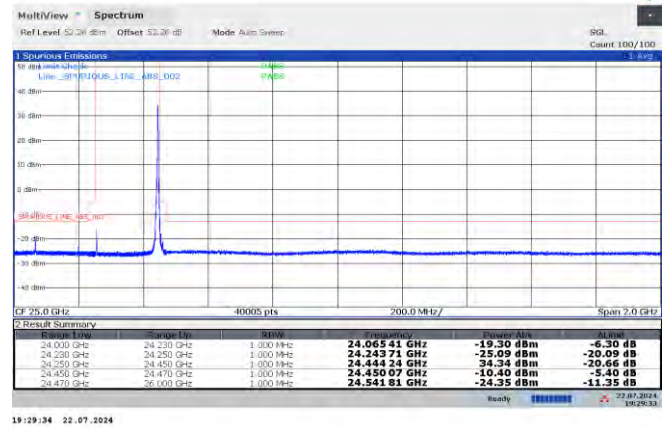
n258-a 200MHz-QPSK - Mid -V 1RB0



n258-a 200MHz- QPSK - Mid -H-1RB131



n258-a 200MHz- QPSK - Mid -V 1RB131



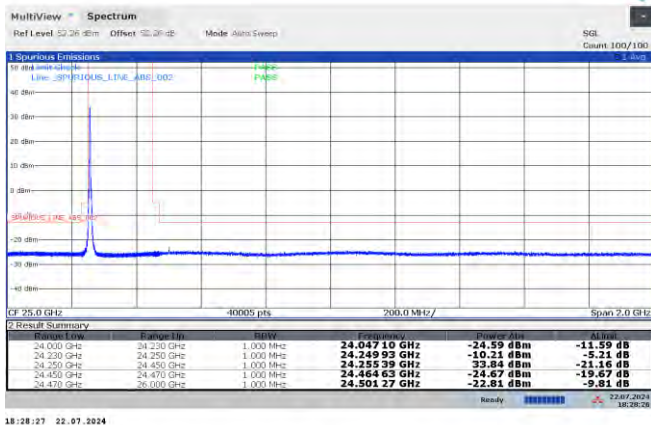
n258-a 200MHz- QPSK - Mid -H-128RB0



n258-a 200MHz- QPSK - Mid -V 128RB0



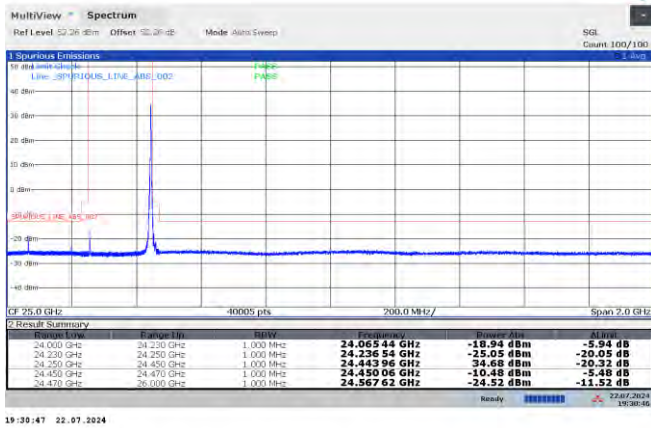
n258-a 200MHz-16QAM - Mid -H-1RB0



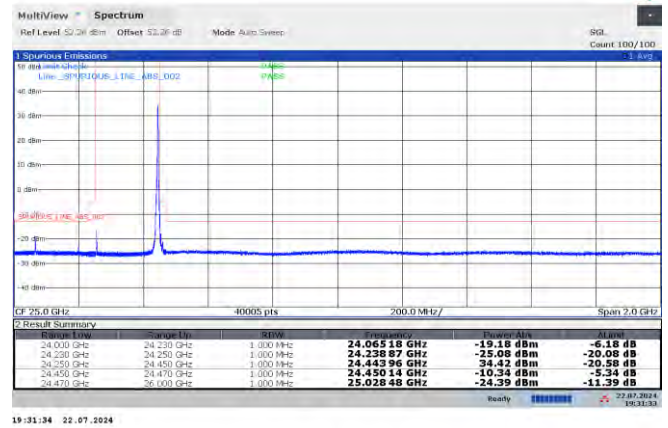
n258-a 200MHz-16QAM - Mid -V 1RB0



n258-a 200MHz- 16QAM - Mid -H-1RB131



n258-a 200MHz-16QAM - Mid -V 1RB131



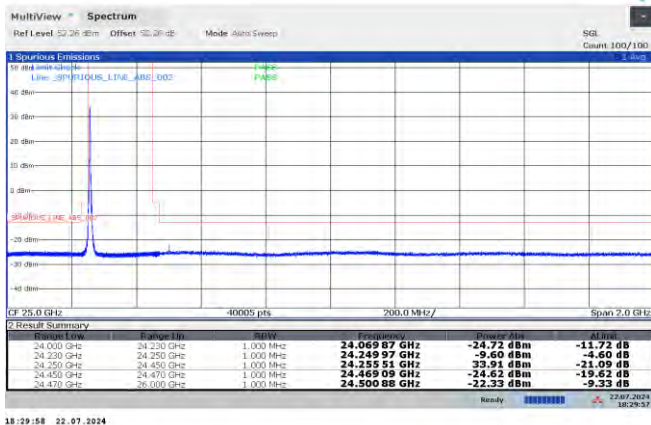
n258-a 200MHz- 16QAM - Mid -H-128RB0



n258-a 200MHz- 16QAM - Mid -V 128RB0



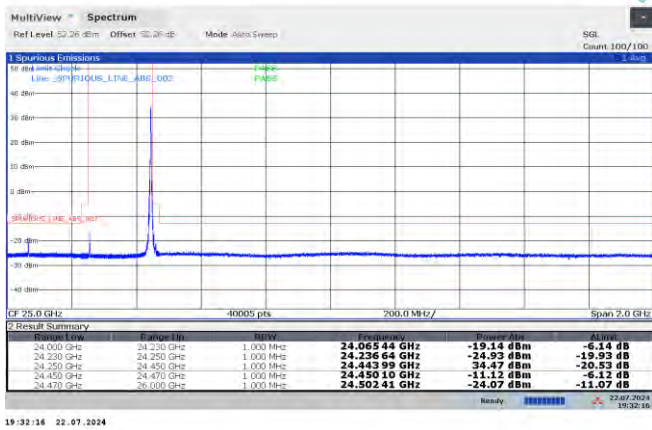
n258-a 200MHz-64QAM - Mid -H-1RB0



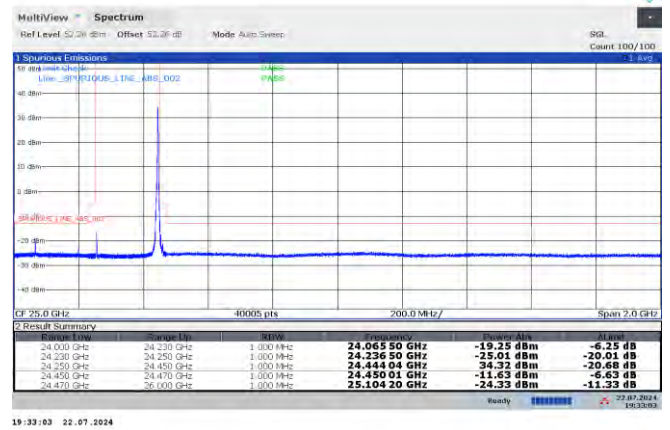
n258-a 200MHz-64QAM - Mid -V 1RB0



n258-a 200MHz- 64QAM - Mid -H-1RB131



n258-a 200MHz-64QAM - Mid -V 1RB131



n258-a 200MHz- 64QAM - Mid -H-128RB0



n258-a 200MHz- 64QAM - Mid -V 128RB0



TRP Measurement

50MHz-BPSK-Low -32RB0											
angle(°)	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-19.445
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-28.425	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-27.736	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.003	0.002	
-5	-11.699	15.011	-14.843	14.385	-15.643	14.385	-16.019	15.011	0.100	0.052	

50MHz-QPSK-Low -32RB0											
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-18.417
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-29.884	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-29.528	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-29.235	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-29.942	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-29.685	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-26.225	-1.714	-27.596	-1.148	-30.000	-1.148	-30.000	-1.714	0.004	0.002	
-15	-28.909	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-25.536	-1.025	-27.452	-1.004	-30.000	-1.004	-30.000	-1.025	0.005	0.002	
-5	-9.499	15.011	-12.063	14.385	-18.723	14.385	-17.949	15.011	0.174	0.029	
0	-2.500	22.010	-4.630	21.818	-11.290	21.818	-10.950	22.010	0.907	0.155	

	50MHz-16QAM-Low -32RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z				Y-Axis (EUT)	Z	dBm
	V		H		V		H				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-16.038
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-28.214	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.003	0.002	
-85	-27.014	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.003	0.002	
-80	-26.658	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.003	0.002	
-75	-26.365	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.003	0.002	
-70	-28.467	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-27.072	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.003	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-26.815	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.003	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-29.128	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-29.737	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-27.468	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.003	0.002	
-20	-23.355	-1.714	-25.416	-1.148	-30.000	-1.148	-30.000	-1.714	0.007	0.002	
-15	-26.039	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.003	0.002	
-10	-22.666	-1.025	-25.272	-1.004	-30.000	-1.004	-30.000	-1.025	0.008	0.002	
-5	-6.629	15.011	-9.883	14.385	-14.843	14.385	-15.539	15.011	0.320	0.061	
0	0.370	22.010	-2.450	21.818	-7.410	21.818	-8.540	22.010	1.658	0.322	

	100MHz-BPSK-Low -64RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-22.350
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-30.000	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-30.000	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-14.409	15.011	-20.273	14.385	-20.693	14.385	-23.569	15.011	0.046	0.013	
0	-7.410	22.010	-12.840	21.818	-13.260	21.818	-16.570	22.010	0.234	0.069	

	100MHz-QPSK-Low -64RB0										
		EIRP									TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-20.509
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-28.665	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-27.976	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.003	0.002	
-5	-11.939	15.011	-16.203	14.385	-18.833	14.385	-20.059	15.011	0.088	0.023	
0	-4.940	22.010	-8.770	21.818	-11.400	21.818	-13.060	22.010	0.453	0.122	

	100MHz-16QAM-Low -64RB0										
		EIRP									TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-17.533
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-29.794	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-29.438	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-29.145	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-29.852	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-29.595	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-29.737	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-26.135	-1.714	-25.416	-1.148	-30.000	-1.148	-30.000	-1.714	0.005	0.002	
-15	-28.819	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-25.446	-1.025	-25.272	-1.004	-30.000	-1.004	-30.000	-1.025	0.006	0.002	
-5	-9.409	15.011	-9.883	14.385	-16.493	14.385	-17.559	15.011	0.217	0.040	
0	-2.410	22.010	-2.450	21.818	-9.060	21.818	-10.560	22.010	1.143	0.212	

	200MHz-BPSK-MID -128RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-23.216
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-30.000	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-30.000	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-17.209	15.011	-19.033	14.385	-24.283	14.385	-22.939	15.011	0.032	0.009	
0	-10.210	22.010	-11.600	21.818	-16.850	21.818	-15.940	22.010	0.164	0.046	

	200MHz-QPSK-MID -128RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-21.797
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-30.000	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-29.876	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-13.839	15.011	-17.633	14.385	-22.313	14.385	-21.179	15.011	0.059	0.013	
0	-6.840	22.010	-10.200	21.818	-14.880	21.818	-14.180	22.010	0.303	0.071	

	200MHz-16QAM-MID -128RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-20.455
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-28.645	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-27.956	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.003	0.002	
-5	-11.919	15.011	-15.803	14.385	-19.073	14.385	-20.079	15.011	0.091	0.022	
0	-4.920	22.010	-8.370	21.818	-11.640	21.818	-13.080	22.010	0.468	0.118	

	50MHz-BPSK-High-32RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-21.780
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-30.000	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-30.000	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-14.769	15.011	-16.643	14.385	-21.373	14.385	-20.029	15.011	0.055	0.017	
0	-7.770	22.010	-9.210	21.818	-13.940	21.818	-13.030	22.010	0.287	0.090	

	50MHz-QPSK-High-32RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-18.046
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-29.614	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-29.258	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-28.965	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-29.672	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-29.415	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-25.955	-1.714	-28.426	-1.148	-30.000	-1.148	-30.000	-1.714	0.004	0.002	
-15	-28.639	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-25.266	-1.025	-28.282	-1.004	-30.000	-1.004	-30.000	-1.025	0.004	0.002	
-5	-9.229	15.011	-12.893	14.385	-16.733	14.385	-15.879	15.011	0.171	0.047	
0	-2.230	22.010	-5.460	21.818	-9.300	21.818	-8.880	22.010	0.883	0.247	

	50MHz-16QAM-High -32RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-16.193
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-28.914	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-27.714	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.003	0.002	
-80	-27.358	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.003	0.002	
-75	-27.065	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.003	0.002	
-70	-29.167	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-27.772	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.003	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-27.515	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.003	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-29.828	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-28.168	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.003	0.002	
-20	-24.055	-1.714	-26.116	-1.148	-29.646	-1.148	-29.785	-1.714	0.006	0.002	
-15	-26.739	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.003	0.002	
-10	-23.366	-1.025	-25.972	-1.004	-29.502	-1.004	-29.096	-1.025	0.007	0.002	
-5	-7.329	15.011	-10.583	14.385	-14.113	14.385	-13.059	15.011	0.272	0.088	
0	-0.330	22.010	-3.150	21.818	-6.680	21.818	-6.060	22.010	1.411	0.463	

	100MHz-BPSK-High-64RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-23.986
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-30.000	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-30.000	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-18.359	15.011	-22.553	14.385	-24.643	14.385	-24.439	15.011	0.020	0.007	
0	-11.360	22.010	-15.120	21.818	-17.210	21.818	-17.440	22.010	0.104	0.037	

	100MHz-QPSK-High-64RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-21.094
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-29.965	-1.714	-30.000	-1.148	-30.000	-1.148	-30.000	-1.714	0.002	0.002	
-15	-30.000	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-29.276	-1.025	-30.000	-1.004	-30.000	-1.004	-30.000	-1.025	0.002	0.002	
-5	-13.239	15.011	-16.193	14.385	-19.313	14.385	-20.749	15.011	0.071	0.020	
0	-6.240	22.010	-8.760	21.818	-11.880	21.818	-13.750	22.010	0.371	0.107	

	100MHz-16QAM-High-64RB0										
	EIRP										TRP
	Y-Axis (EUT)				Z-Axis (EUT)				Y-Axis (EUT)	Z-Axis (EUT)	dBm
	V-Pol.		H-Pol.		V-Pol.		H-Pol.				
angle(°)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	dBm	antenna Gain (dBi)	mw	mw	-18.890
-180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002	
-175	-30.000	-21.140	-30.000	-21.754	-30.000	-21.754	-30.000	-21.140	0.002	0.002	
-170	-30.000	-24.638	-30.000	-22.157	-30.000	-22.157	-30.000	-24.638	0.002	0.002	
-165	-30.000	-23.089	-30.000	-22.463	-30.000	-22.463	-30.000	-23.089	0.002	0.002	
-160	-30.000	-24.855	-30.000	-22.421	-30.000	-22.421	-30.000	-24.855	0.002	0.002	
-155	-30.000	-27.689	-30.000	-21.232	-30.000	-21.232	-30.000	-27.689	0.002	0.002	
-150	-30.000	-41.898	-30.000	-21.690	-30.000	-21.690	-30.000	-41.898	0.002	0.002	
-145	-30.000	-32.101	-30.000	-18.910	-30.000	-18.910	-30.000	-32.101	0.002	0.002	
-140	-30.000	-32.776	-30.000	-18.307	-30.000	-18.307	-30.000	-32.776	0.002	0.002	
-135	-30.000	-24.242	-30.000	-23.701	-30.000	-23.701	-30.000	-24.242	0.002	0.002	
-130	-30.000	-27.195	-30.000	-19.394	-30.000	-19.394	-30.000	-27.195	0.002	0.002	
-125	-30.000	-20.246	-30.000	-19.215	-30.000	-19.215	-30.000	-20.246	0.002	0.002	
-120	-30.000	-35.726	-30.000	-17.521	-30.000	-17.521	-30.000	-35.726	0.002	0.002	
-115	-30.000	-20.574	-30.000	-24.992	-30.000	-24.992	-30.000	-20.574	0.002	0.002	
-110	-30.000	-18.043	-30.000	-26.089	-30.000	-26.089	-30.000	-18.043	0.002	0.002	
-105	-30.000	-14.854	-30.000	-22.068	-30.000	-22.068	-30.000	-14.854	0.002	0.002	
-100	-30.000	-13.146	-30.000	-18.181	-30.000	-18.181	-30.000	-13.146	0.002	0.002	
-95	-30.000	-8.645	-30.000	-16.362	-30.000	-16.362	-30.000	-8.645	0.002	0.002	
-90	-30.000	-6.574	-30.000	-14.499	-30.000	-14.499	-30.000	-6.574	0.002	0.002	
-85	-30.000	-5.374	-30.000	-11.867	-30.000	-11.867	-30.000	-5.374	0.002	0.002	
-80	-30.000	-5.018	-30.000	-10.192	-30.000	-10.192	-30.000	-5.018	0.002	0.002	
-75	-30.000	-4.724	-30.000	-8.071	-30.000	-8.071	-30.000	-4.724	0.002	0.002	
-70	-30.000	-6.827	-30.000	-8.783	-30.000	-8.783	-30.000	-6.827	0.002	0.002	
-65	-30.000	-5.432	-30.000	-8.996	-30.000	-8.996	-30.000	-5.432	0.002	0.002	
-60	-30.000	-10.484	-30.000	-9.791	-30.000	-9.791	-30.000	-10.484	0.002	0.002	
-55	-30.000	-5.174	-30.000	-10.874	-30.000	-10.874	-30.000	-5.174	0.002	0.002	
-50	-30.000	-11.299	-30.000	-8.372	-30.000	-8.372	-30.000	-11.299	0.002	0.002	
-45	-30.000	-7.488	-30.000	-19.596	-30.000	-19.596	-30.000	-7.488	0.002	0.002	
-40	-30.000	-8.999	-30.000	-6.994	-30.000	-6.994	-30.000	-8.999	0.002	0.002	
-35	-30.000	-13.994	-30.000	-13.062	-30.000	-13.062	-30.000	-13.994	0.002	0.002	
-30	-30.000	-8.364	-30.000	-5.469	-30.000	-5.469	-30.000	-8.364	0.002	0.002	
-25	-30.000	-5.828	-30.000	-9.683	-30.000	-9.683	-30.000	-5.828	0.002	0.002	
-20	-27.035	-1.714	-28.636	-1.148	-30.000	-1.148	-30.000	-1.714	0.003	0.002	
-15	-29.719	-4.399	-30.000	-10.770	-30.000	-10.770	-30.000	-4.399	0.002	0.002	
-10	-26.346	-1.025	-28.492	-1.004	-30.000	-1.004	-30.000	-1.025	0.004	0.002	
-5	-10.309	15.011	-13.103	14.385	-18.283	14.385	-16.549	15.011	0.142	0.037	
0	-3.310	22.010	-5.670	21.818	-10.850	21.818	-9.550	22.010	0.738	0.193	

5	-12.528	12.792	-16.440	11.048	-21.620	11.048	-18.768	12.792	0.079	0.020
10	-22.602	2.718	-26.927	0.561	-30.000	0.561	-28.842	2.718	0.008	0.002
15	-30.000	-9.029	-30.000	-20.555	-30.000	-20.555	-30.000	-9.029	0.002	0.002
20	-30.000	-9.918	-30.000	-11.649	-30.000	-11.649	-30.000	-9.918	0.002	0.002
25	-30.000	-14.738	-30.000	-17.560	-30.000	-17.560	-30.000	-14.738	0.002	0.002
30	-30.000	-15.285	-30.000	-21.795	-30.000	-21.795	-30.000	-15.285	0.002	0.002
35	-30.000	-5.928	-30.000	-10.756	-30.000	-10.756	-30.000	-5.928	0.002	0.002
40	-30.000	-9.304	-30.000	-12.823	-30.000	-12.823	-30.000	-9.304	0.002	0.002
45	-30.000	-11.368	-30.000	-15.194	-30.000	-15.194	-30.000	-11.368	0.002	0.002
50	-30.000	-18.720	-30.000	-21.990	-30.000	-21.990	-30.000	-18.720	0.002	0.002
55	-30.000	-14.175	-30.000	-18.829	-30.000	-18.829	-30.000	-14.175	0.002	0.002
60	-30.000	-14.621	-30.000	-28.614	-30.000	-28.614	-30.000	-14.621	0.002	0.002
65	-30.000	-21.346	-30.000	-23.675	-30.000	-23.675	-30.000	-21.346	0.002	0.002
70	-30.000	-24.294	-30.000	-26.572	-30.000	-26.572	-30.000	-24.294	0.002	0.002
75	-30.000	-24.683	-30.000	-27.311	-30.000	-27.311	-30.000	-24.683	0.002	0.002
80	-30.000	-17.657	-30.000	-25.340	-30.000	-25.340	-30.000	-17.657	0.002	0.002
85	-30.000	-21.472	-30.000	-26.661	-30.000	-26.661	-30.000	-21.472	0.002	0.002
90	-30.000	-16.769	-30.000	-19.167	-30.000	-19.167	-30.000	-16.769	0.002	0.002
95	-30.000	-32.870	-30.000	-19.728	-30.000	-19.728	-30.000	-32.870	0.002	0.002
100	-30.000	-33.877	-30.000	-20.422	-30.000	-20.422	-30.000	-33.877	0.002	0.002
105	-30.000	-18.806	-30.000	-16.483	-30.000	-16.483	-30.000	-18.806	0.002	0.002
110	-30.000	-21.767	-30.000	-29.486	-30.000	-29.486	-30.000	-21.767	0.002	0.002
115	-30.000	-21.689	-30.000	-16.147	-30.000	-16.147	-30.000	-21.689	0.002	0.002
120	-30.000	-23.496	-30.000	-31.260	-30.000	-31.260	-30.000	-23.496	0.002	0.002
125	-30.000	-25.562	-30.000	-18.019	-30.000	-18.019	-30.000	-25.562	0.002	0.002
130	-30.000	-20.891	-30.000	-19.266	-30.000	-19.266	-30.000	-20.891	0.002	0.002
135	-30.000	-22.959	-30.000	-18.761	-30.000	-18.761	-30.000	-22.959	0.002	0.002
140	-30.000	-16.425	-30.000	-17.279	-30.000	-17.279	-30.000	-16.425	0.002	0.002
145	-30.000	-21.662	-30.000	-15.832	-30.000	-15.832	-30.000	-21.662	0.002	0.002
150	-30.000	-16.652	-30.000	-15.945	-30.000	-15.945	-30.000	-16.652	0.002	0.002
155	-30.000	-20.276	-30.000	-19.497	-30.000	-19.497	-30.000	-20.276	0.002	0.002
160	-30.000	-19.007	-30.000	-21.101	-30.000	-21.101	-30.000	-19.007	0.002	0.002
165	-30.000	-19.710	-30.000	-16.027	-30.000	-16.027	-30.000	-19.710	0.002	0.002
170	-30.000	-23.063	-30.000	-15.006	-30.000	-15.006	-30.000	-23.063	0.002	0.002
175	-30.000	-22.394	-30.000	-16.459	-30.000	-16.459	-30.000	-22.394	0.002	0.002
180	-30.000	-21.902	-30.000	-20.013	-30.000	-20.013	-30.000	-21.902	0.002	0.002
TRP Factor=1dB										

Note:

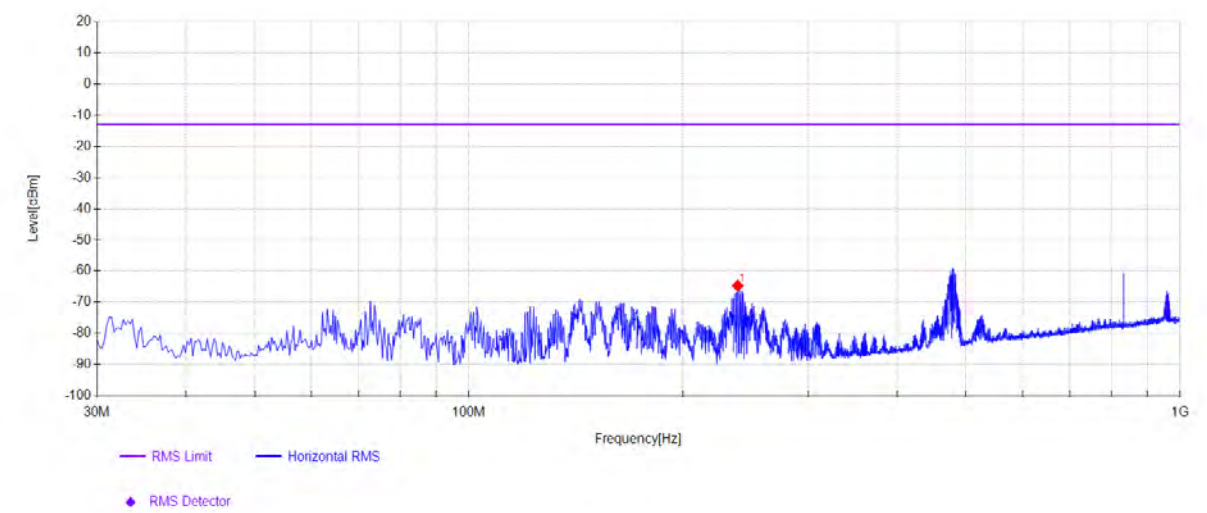
- 1) According to the EIRP test results, validate the TRP test on the EIRP Worse Margin result.
- 2) The laboratory tested the EIRP of the maximum gain value angle and calculated the EIRP value for each angle based on the antenna gain value provided by the manufacturer.
- 3) The laboratory test showed a baseline noise of -30dBm, and the calculated result value was compared to the baseline noise, using a larger result value.

4. Spurious Radiation

30M-1G

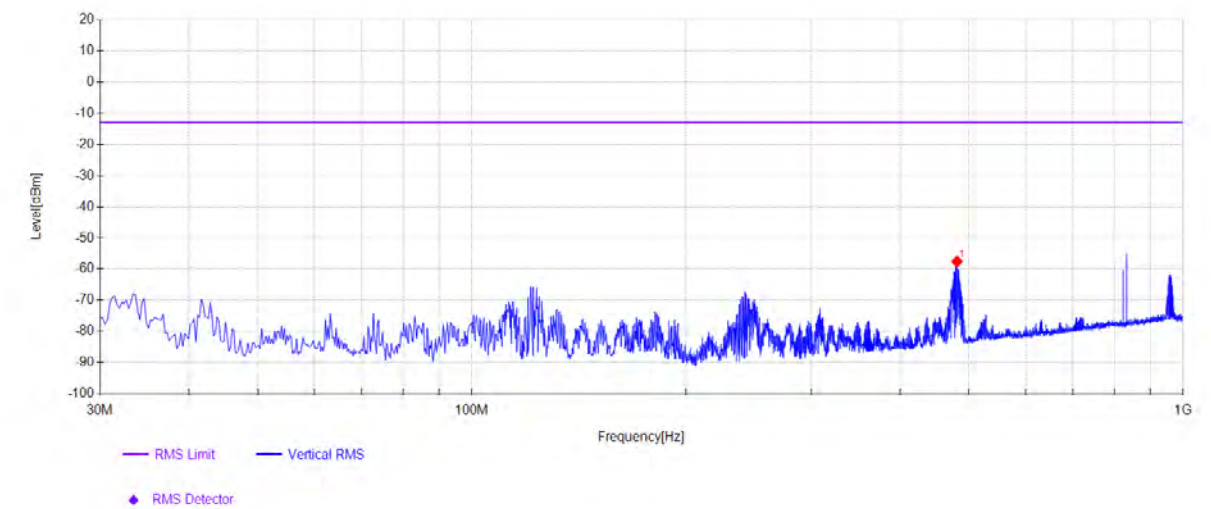
1.1. Test Band = 5G NR FR2 n258a BW 100M_ TM1

1.1.1. Test Channel = Mid

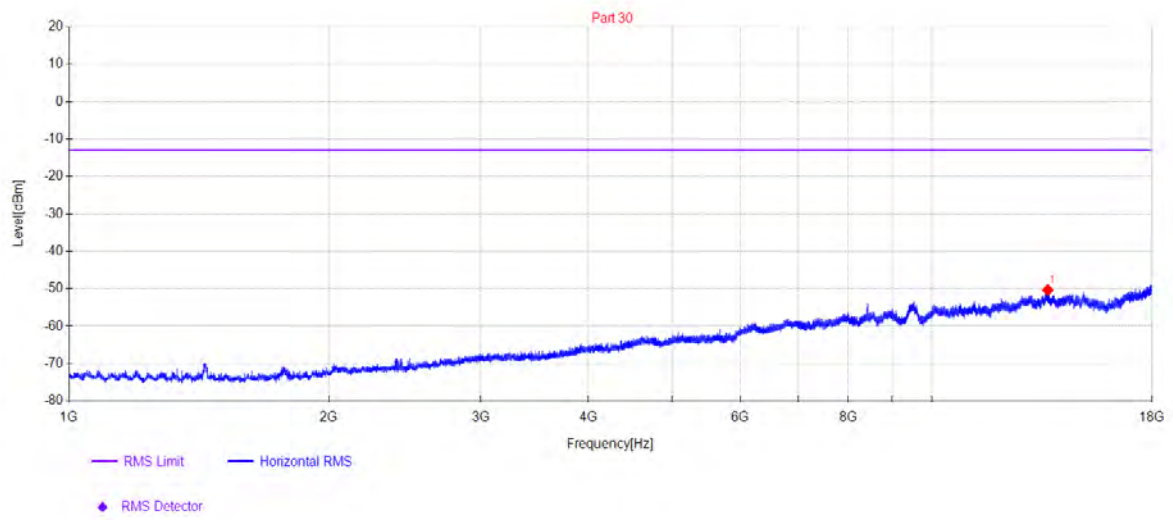


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	238.7925	52.31	-32.91	11.20	-64.66	-13.00	51.66	Horizontal

1.2. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.2.1. Test Channel = Mid

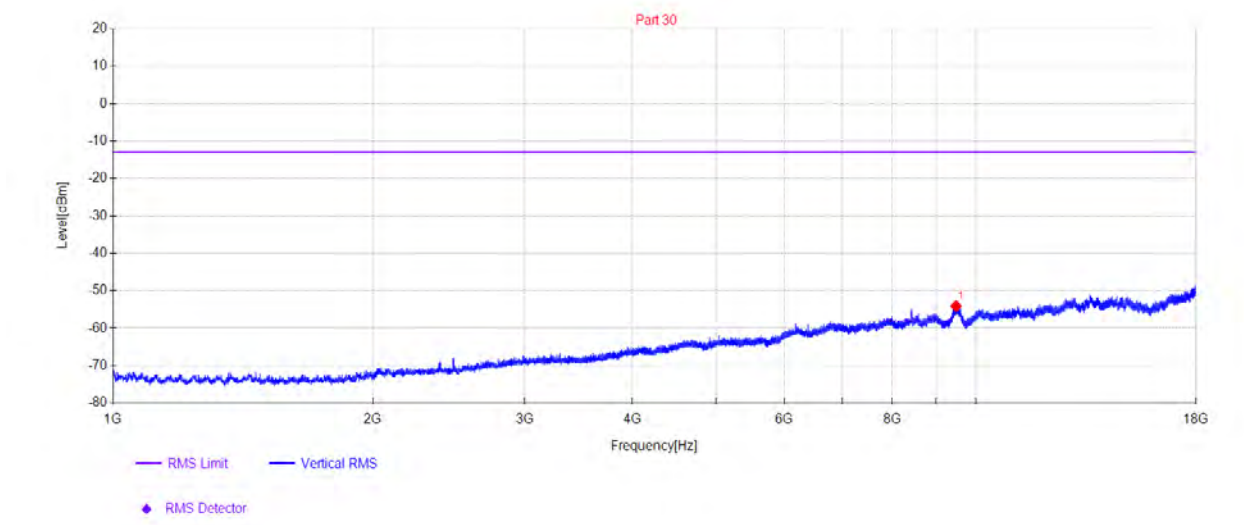


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	481.05	53.23	-31.86	16.31	-57.59	-13.00	44.59	Vertical

1G-18G**1.3. Test Band = 5G NR FR2 n258a BW 100M_ TM1****1.3.1. Test Channel = Mid****Data List**

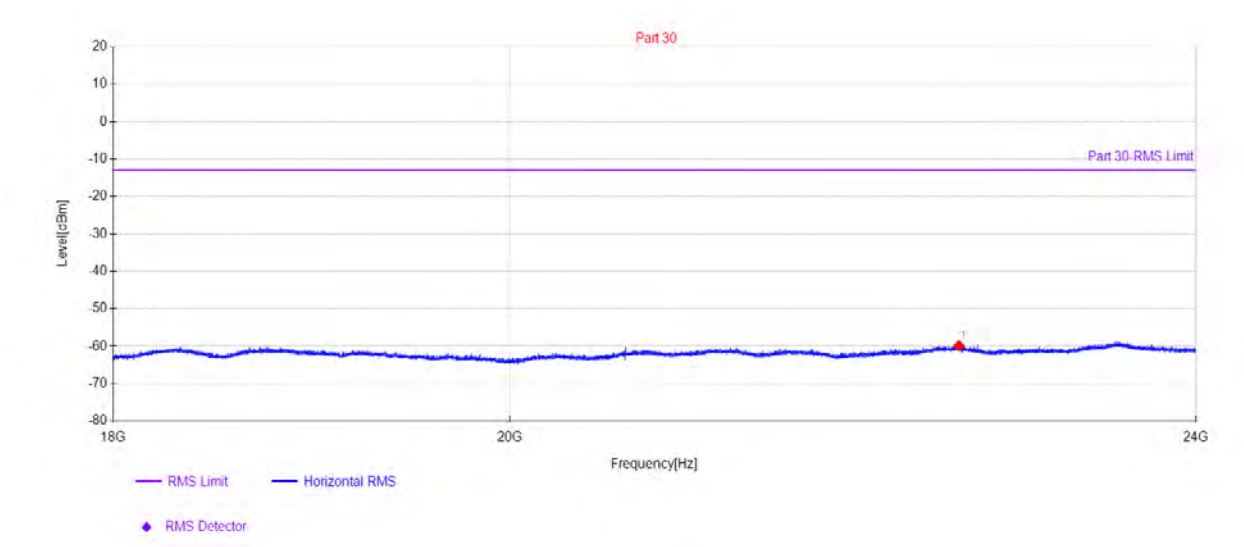
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	13627.0333	33.87	-28.99	40.04	-50.34	-13.00	37.34	Horizontal

1.4. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.4.1. Test Channel = Mid



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9486.4	36.85	-33.50	37.75	-54.16	-13.00	41.16	Vertical

18-42G
1.5. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.5.1. Test Channel = Low

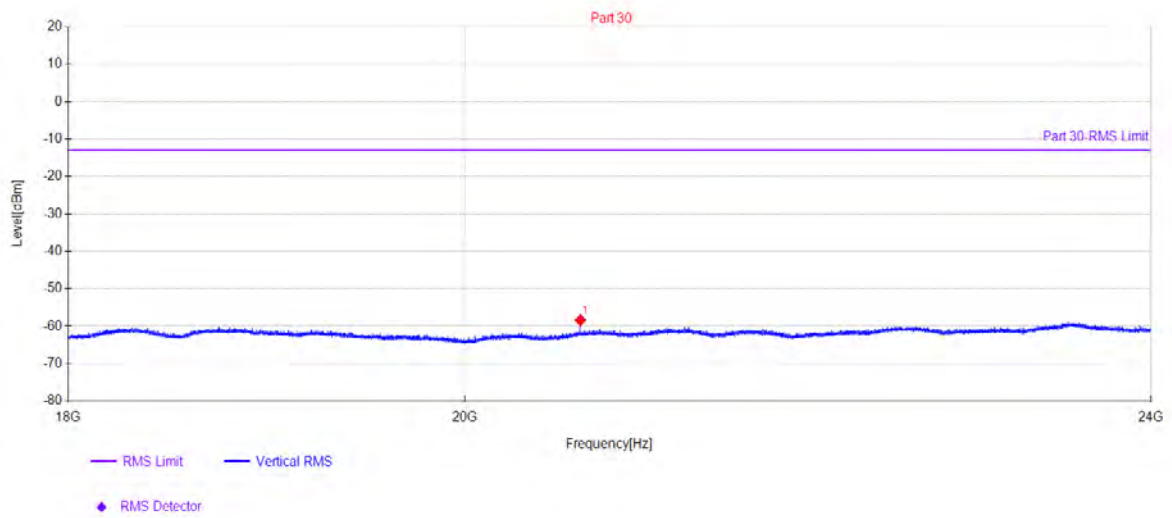


Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	22535	37.43	-40.11	38.03	-59.91	-13.00	46.91	Horizontal

1.6. Test Band = 5G NR FR2 n258a BW 100M_ TM1

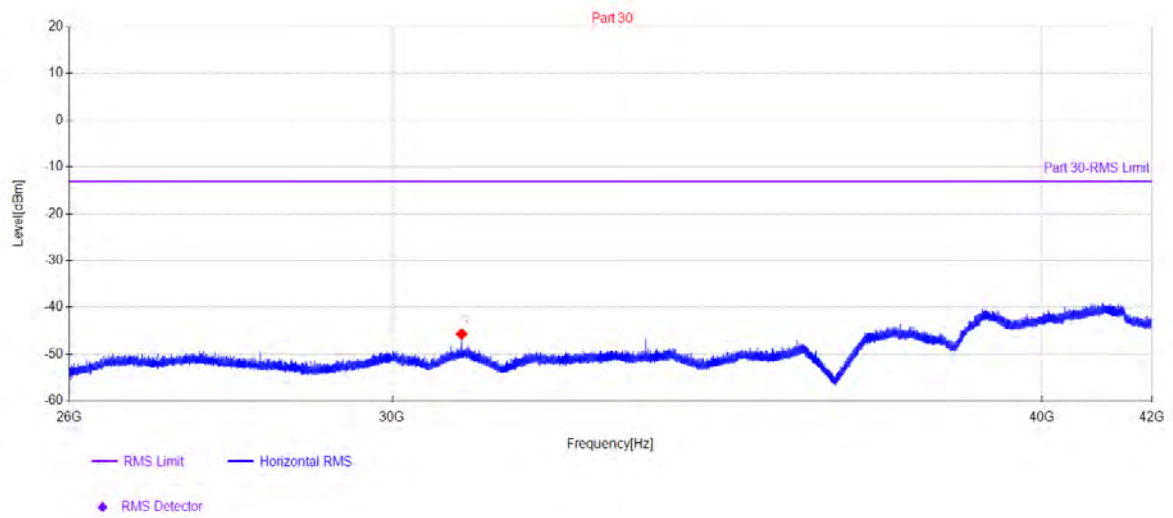
1.6.1. Test Channel = Low



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	20624.5	41.13	-41.89	37.60	-58.42	-13.00	45.42	Vertical

1.7. Test Band = 5G NR FR2 n258a BW 100M_ TM1

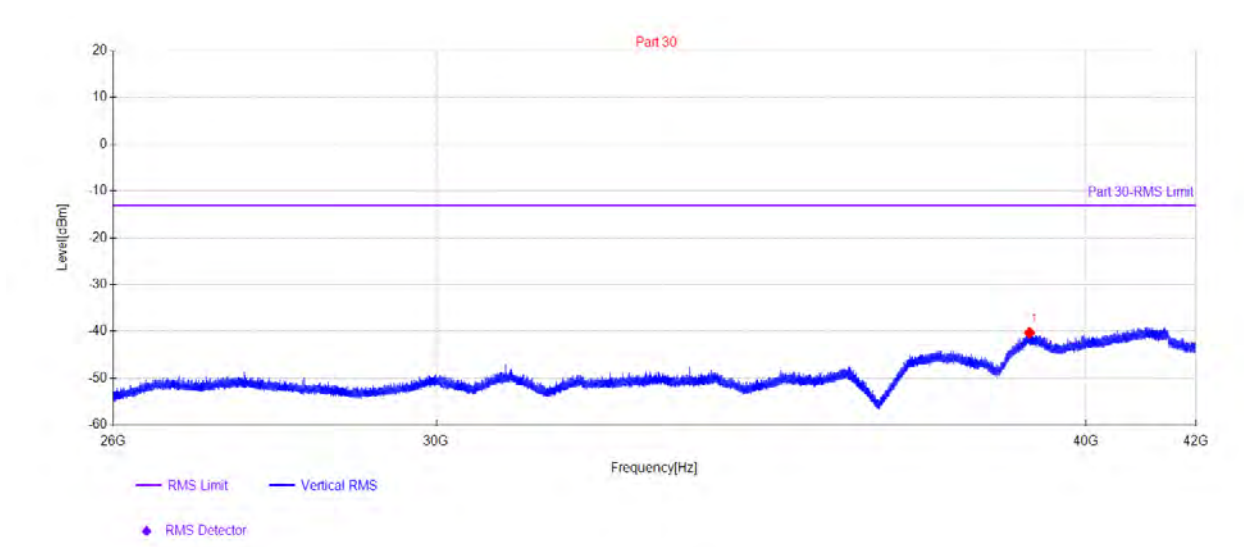
1.7.1. Test Channel = Low



Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30936.4	50.27	-40.42	39.67	-45.74	-13.00	32.74	Horizontal

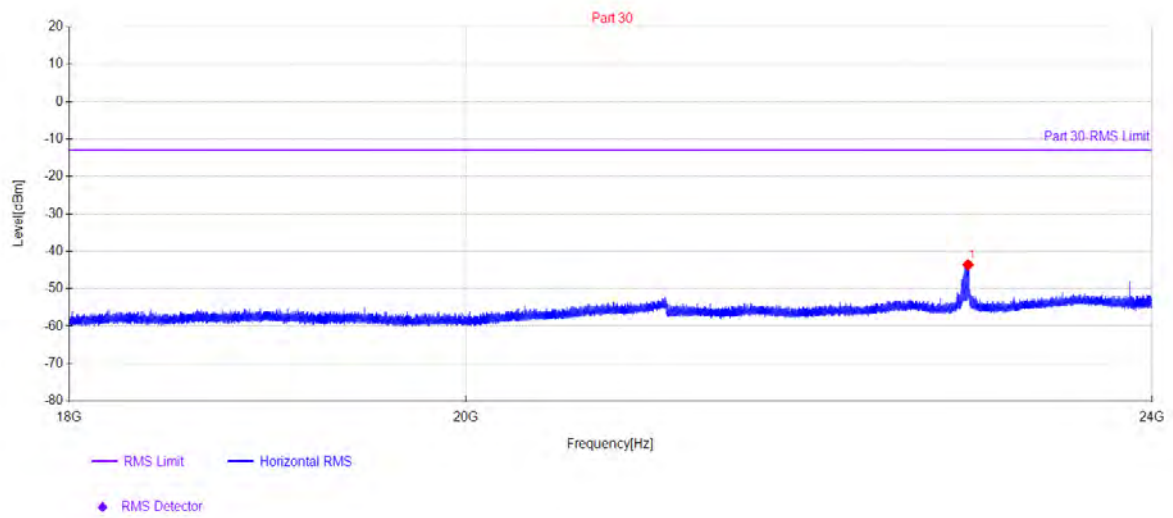
1.8. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.8.1. Test Channel = Low



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39014.8	49.74	-38.00	43.19	-40.33	-13.00	27.33	Vertical

1.9. Test Band = 5G NR FR2 n258a BW 100M_ TM1

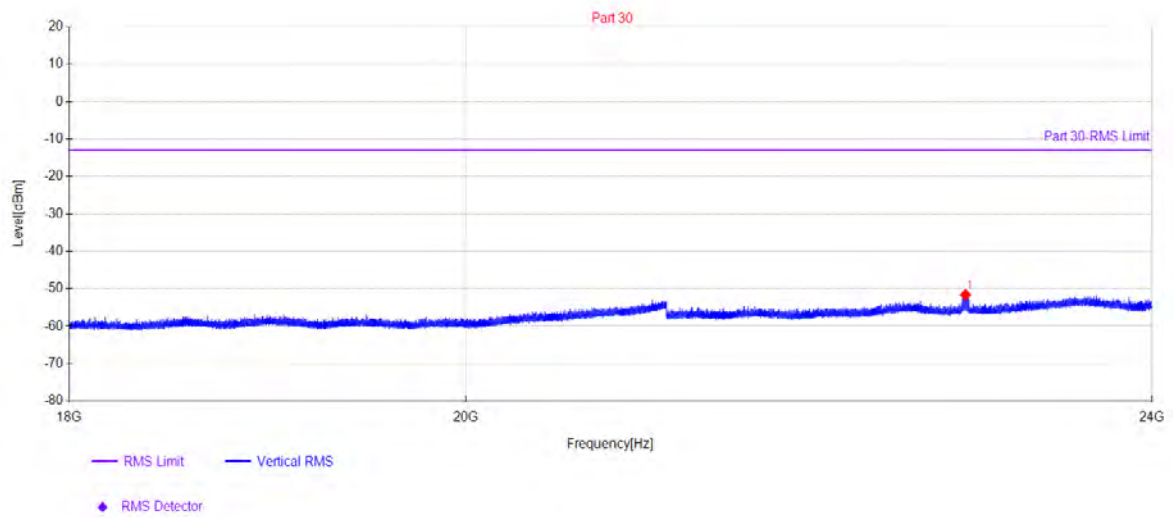
1.9.1. Test Channel = Mid



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	22855.2	54.10	-40.77	38.28	-43.65	-13.00	30.65	Horizontal

1.10. Test Band = 5G NR FR2 n258a BW 100M_ TM1

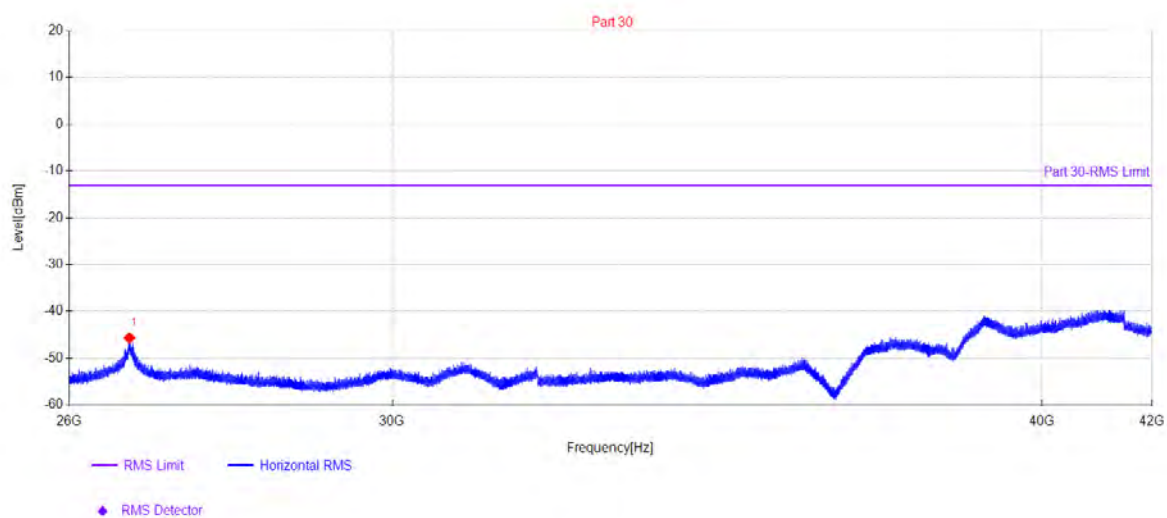
1.10.1. Test Channel = Mid



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	22839.9	46.05	-40.74	38.27	-51.68	-13.00	38.68	Vertical

1.11. Test Band = 5G NR FR2 n258a BW 100M_ TM1

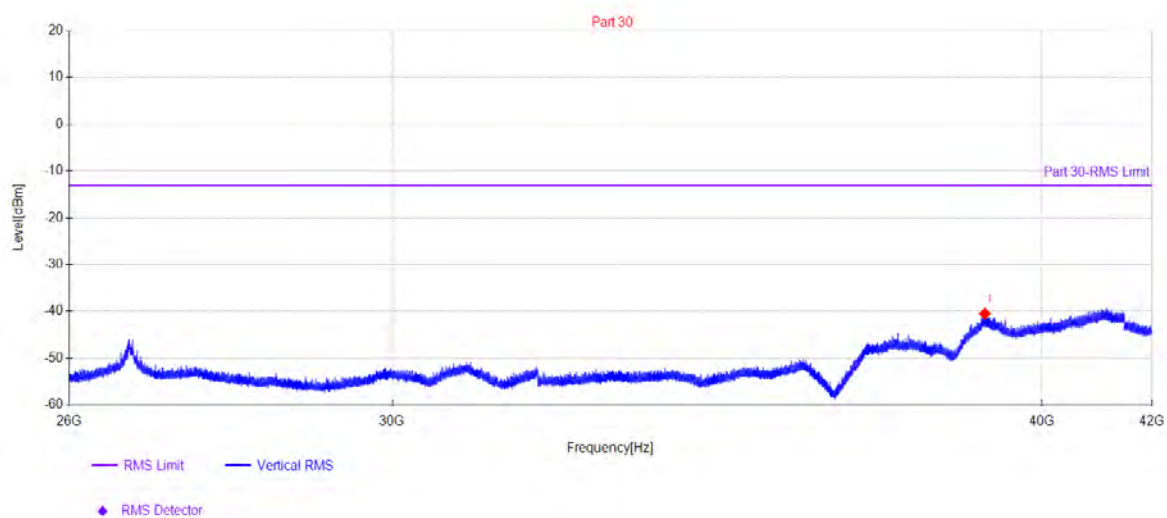
1.11.1. Test Channel = Mid



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	26704.8	48.93	-38.71	39.33	-45.71	-13.00	32.71	Horizontal

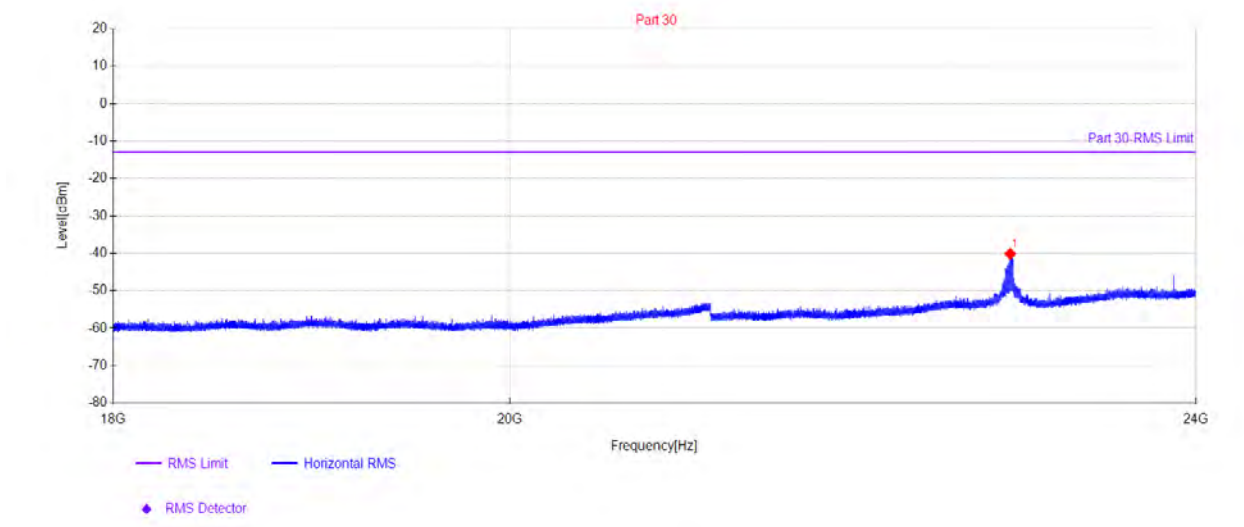
1.12. Test Band = 5G NR FR2 n258a BW 100M_ TM1

1.12.1. Test Channel = Mid



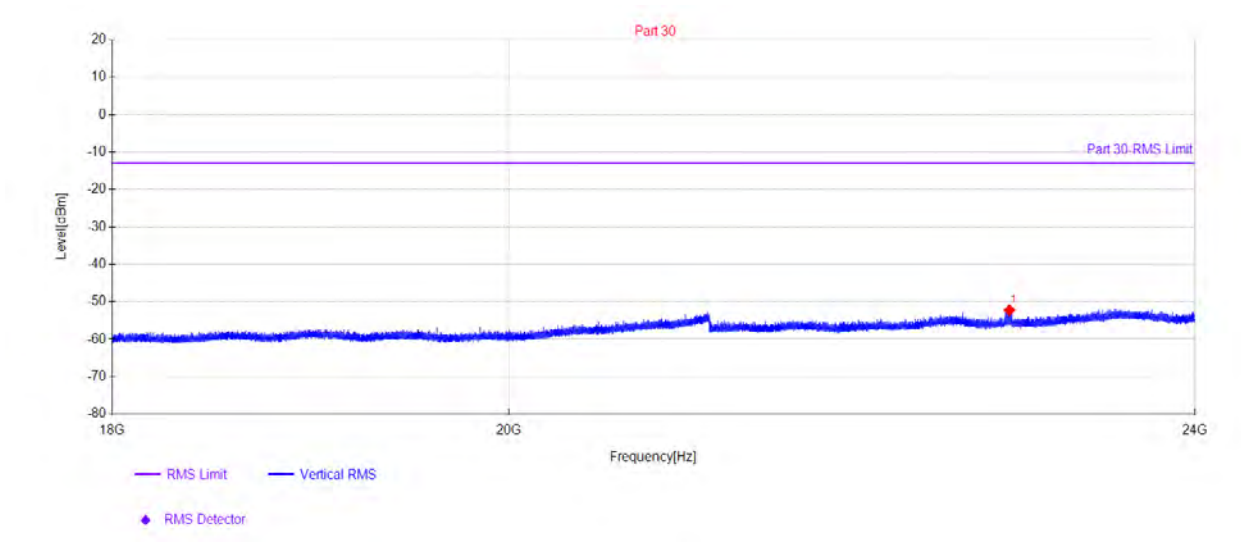
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39000.8	49.47	-37.93	43.20	-40.52	-13.00	27.52	Vertical

1.13. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.13.1. Test Channel = High



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	22843.95	57.59	-40.75	38.28	-40.14	-13.00	27.14	Horizontal

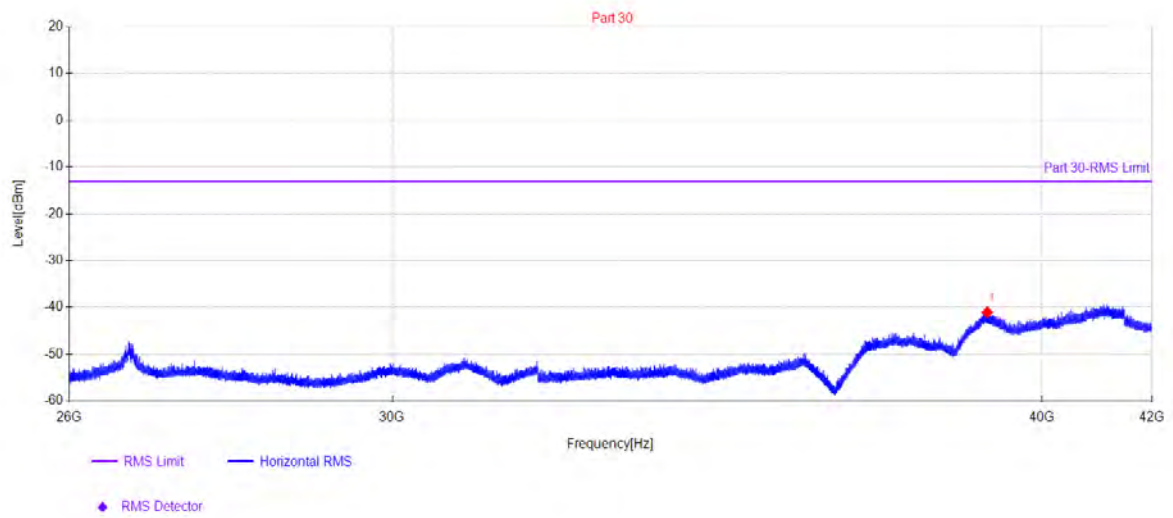
1.14. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.14.1. Test Channel = High



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	22845	45.45	-40.75	38.28	-52.28	-13.00	39.28	Vertical

1.15. Test Band = 5G NR FR2 n258a BW 100M_ TM1

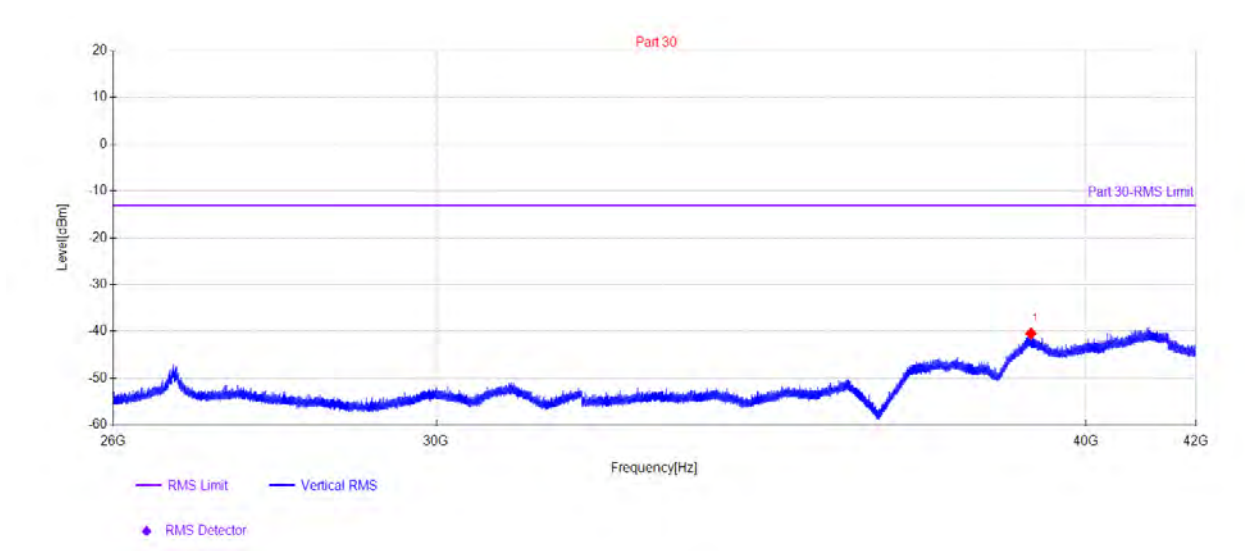
1.15.1. Test Channel = High



Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39043.2	49.14	-38.12	43.17	-41.08	-13.00	28.08	Horizontal

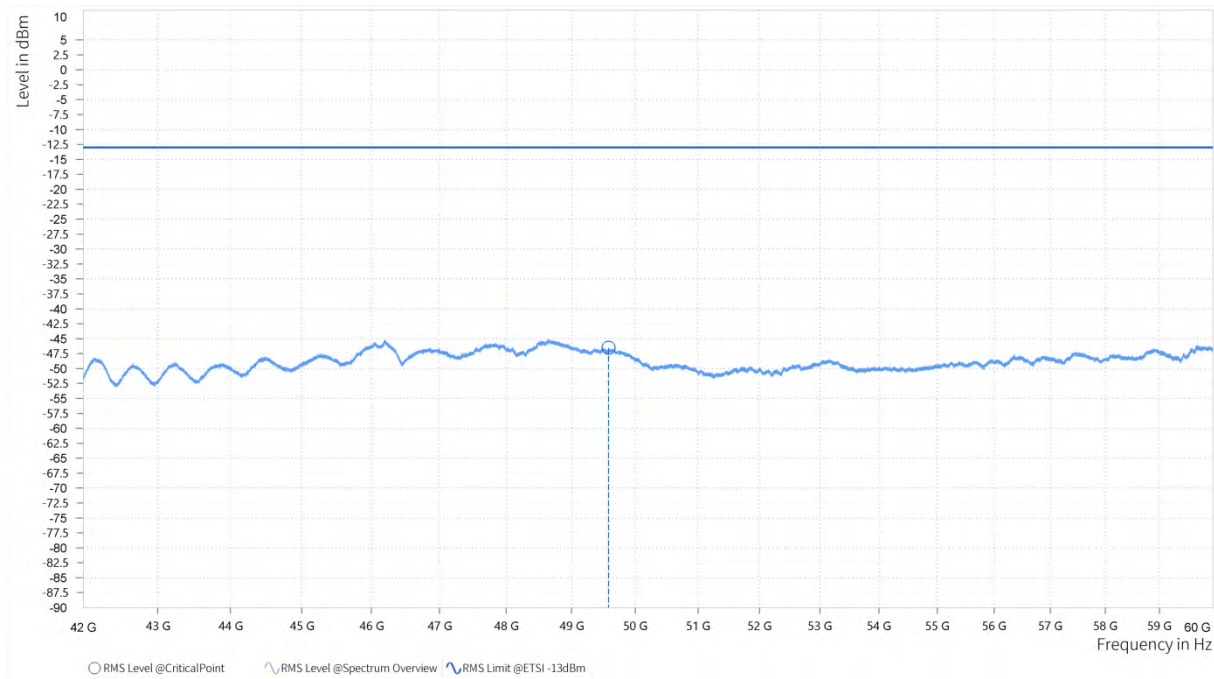
1.16. Test Band = 5G NR FR2 n258a BW 100M_ TM1
1.16.1. Test Channel = High



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39038	49.72	-38.10	43.17	-40.47	-13.00	27.47	Vertical

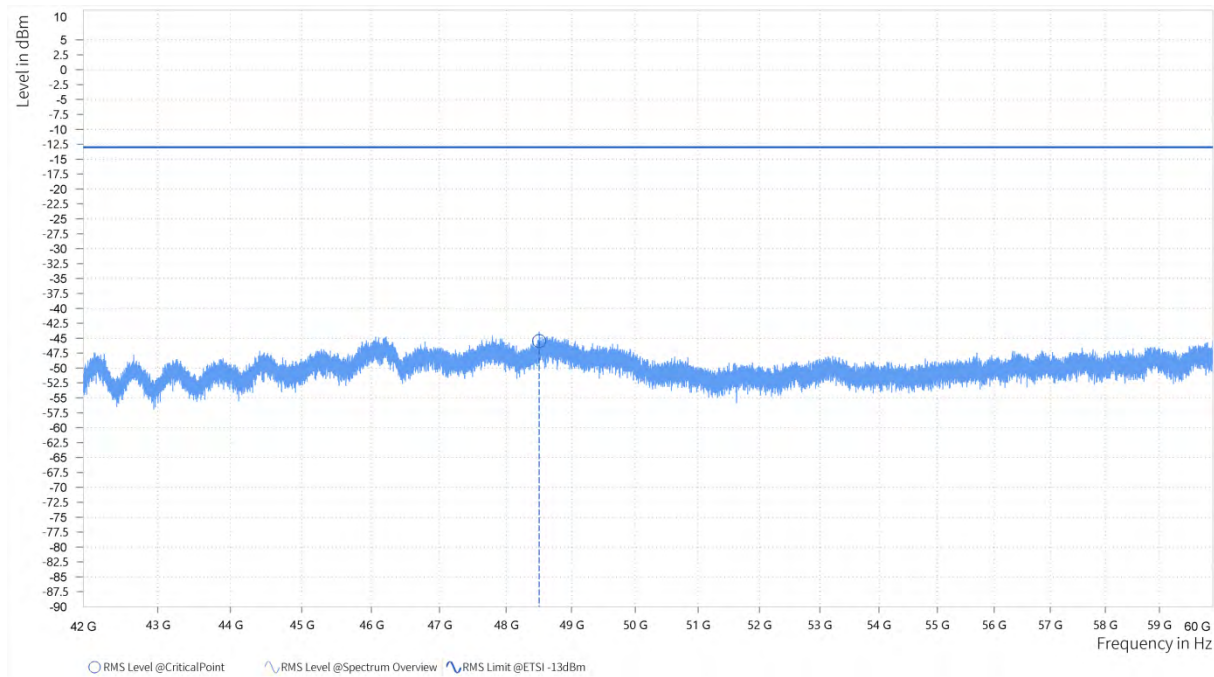
42G~140G

FR2 n258a-Low 42-60G BW 100M



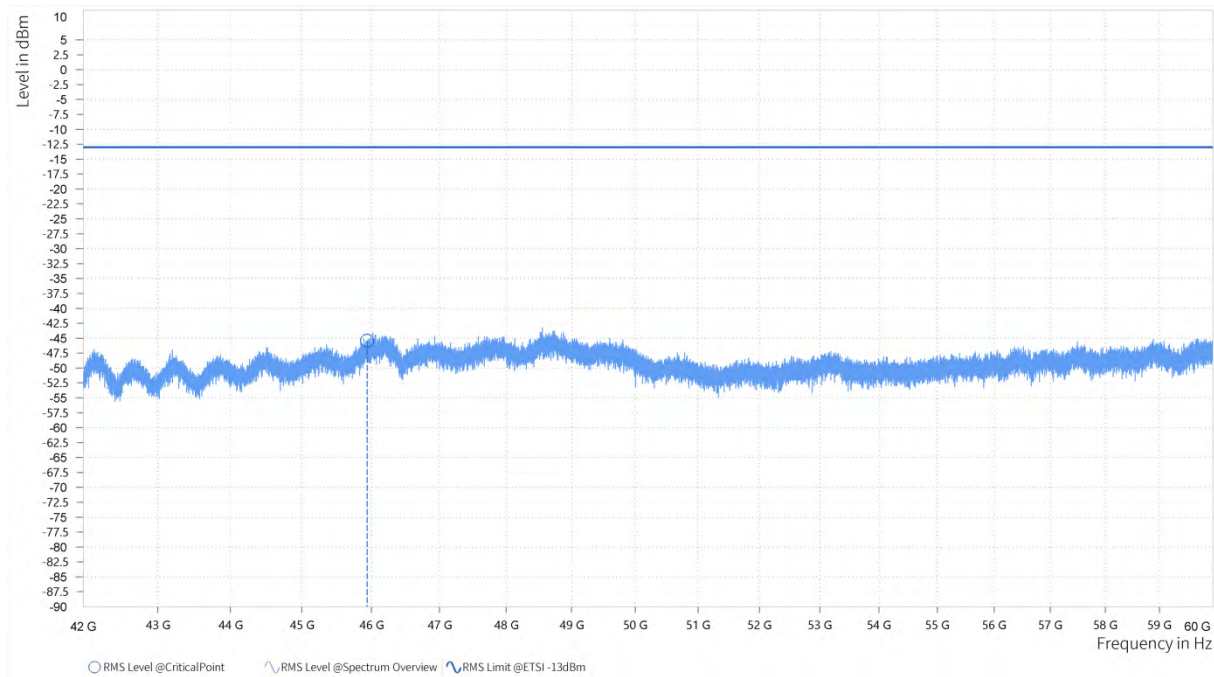
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	49,578.500	-46.55	-13.00	33.55	H

FR2 n258a-Low 42-60G BW 100M



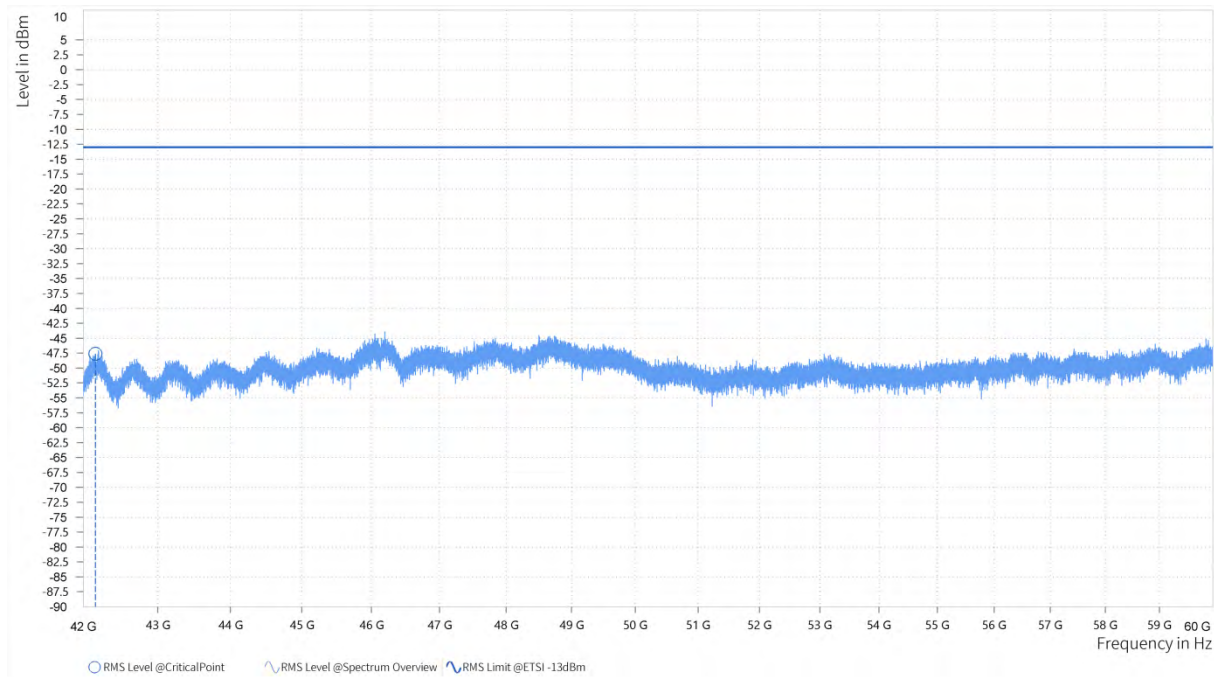
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	48,502.500	-45.46	-13.00	32.46	V

FR2 n258a-Mid 42-60G BW 100M



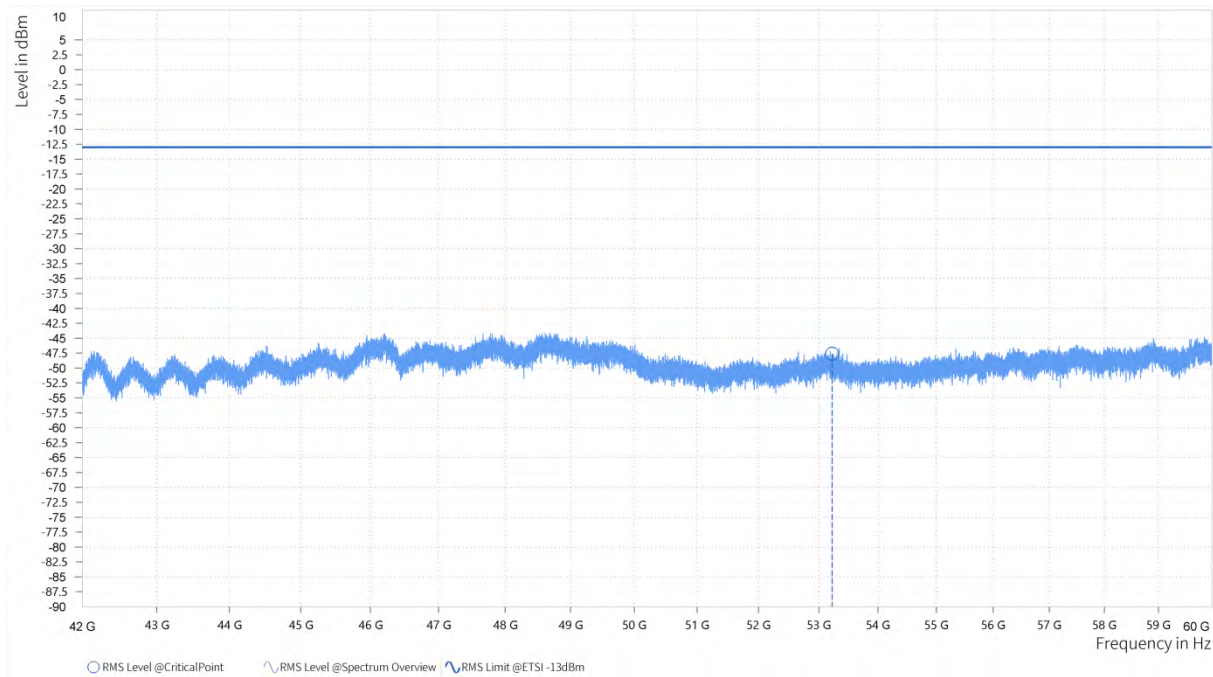
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	45,940.000	-45.42	-13.00	32.42	H

FR2 n258a-Mid 42-60G BW 100M



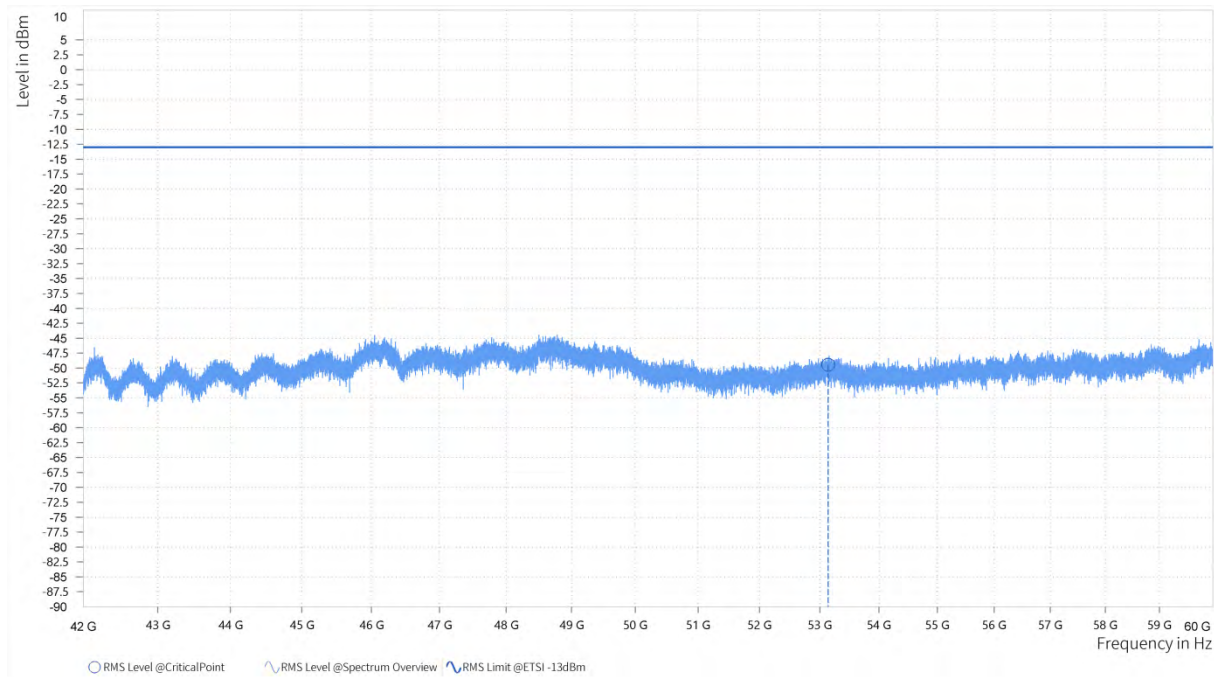
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	42,163.500	-47.62	-13.00	34.62	V

FR2 n258a-High 42-60G BW 100M



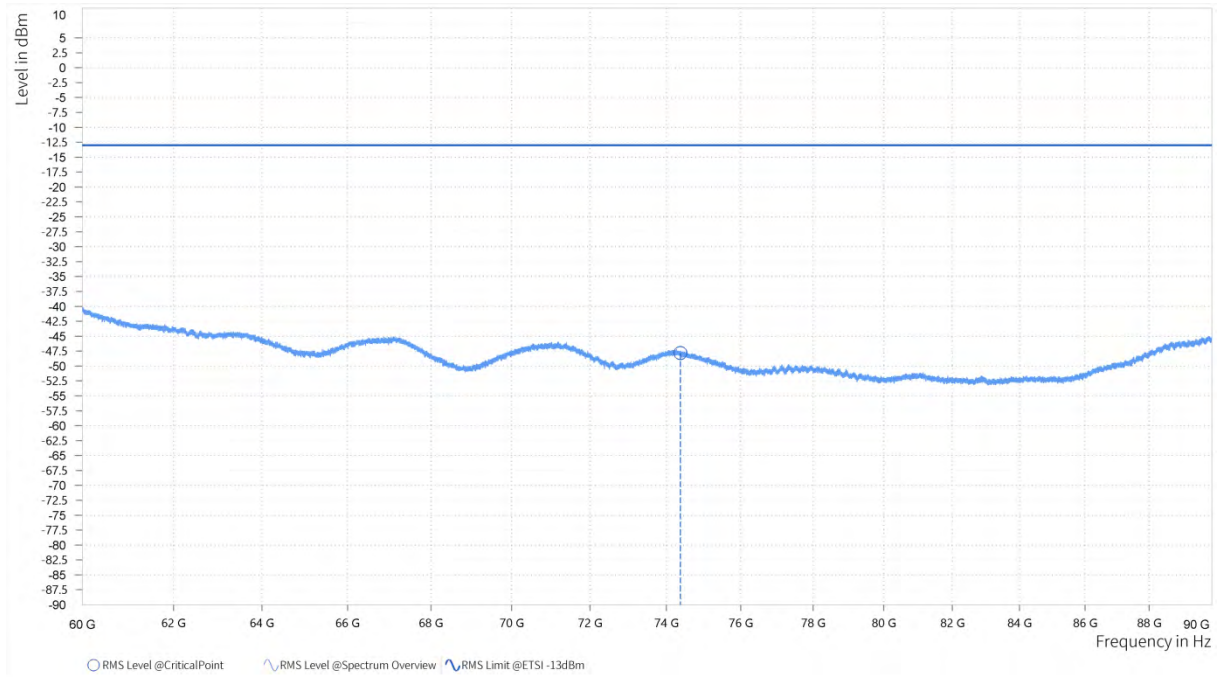
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	53,221.000	-47.62	-13.00	34.62	H

FR2 n258a-High 42-60G BW 100M



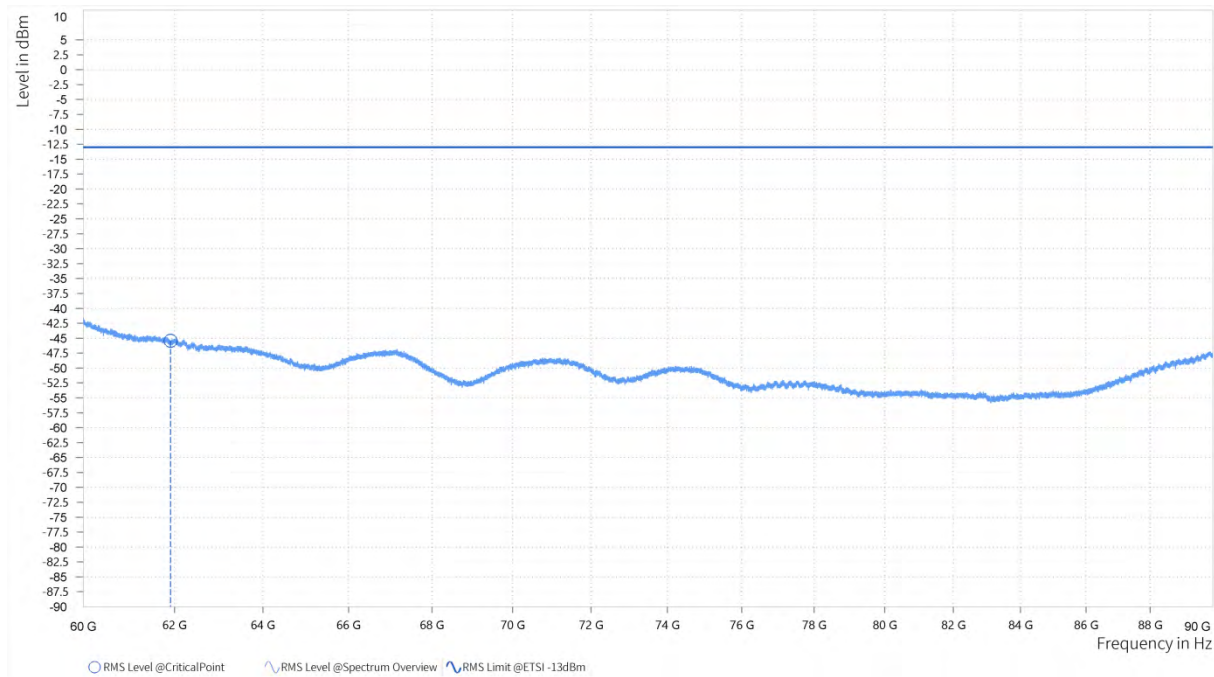
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	53,140.000	-49.47	-13.00	36.47	V

FR2 n258a-Low 60-90G BW 100M



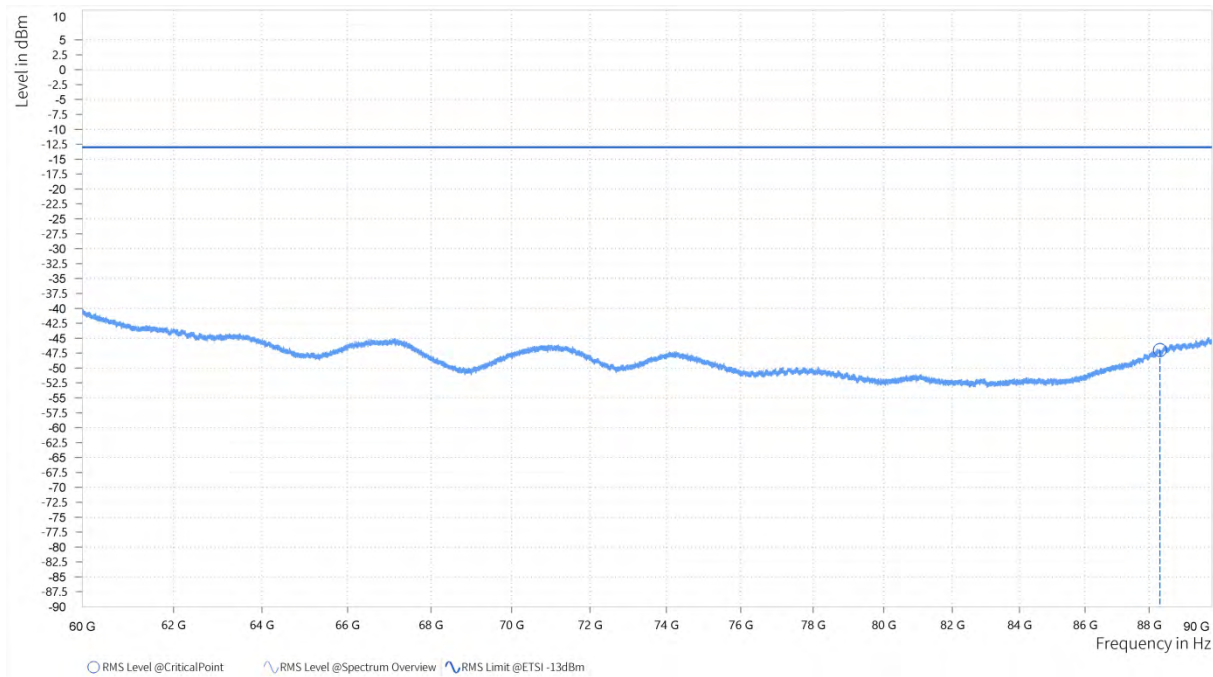
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	74,372.500	-47.83	-13.00	34.83	H

FR2 n258a-Low 60-90G BW 100M



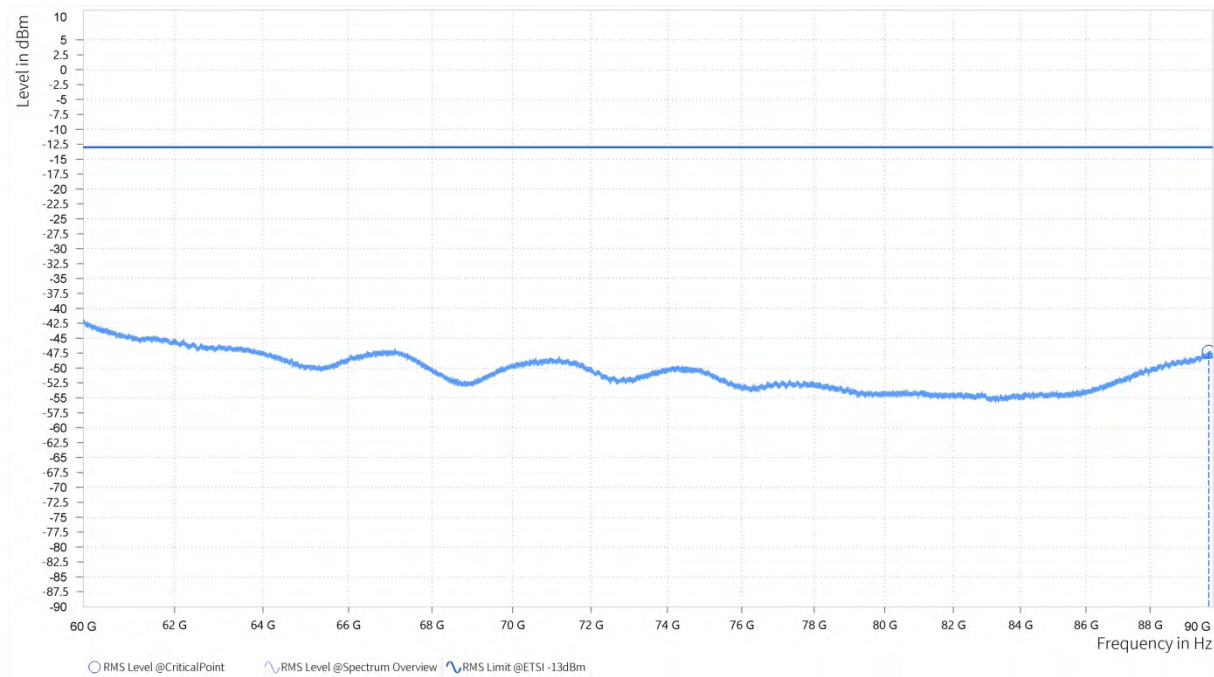
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	61,914.000	-45.44	-13.00	32.44	V

FR2 n258a-Mid 60-90G BW 100M



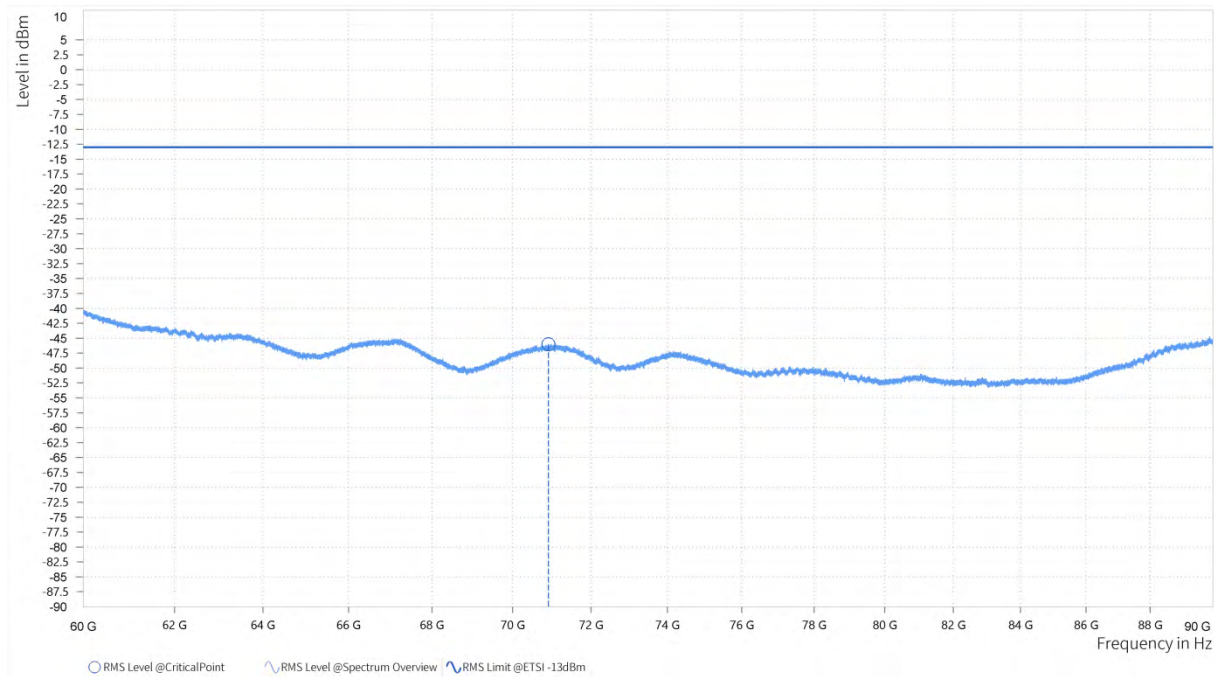
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	88,338.000	-46.97	-13.00	33.97	H

FR2 n258a-Mid 60-90G BW 100M



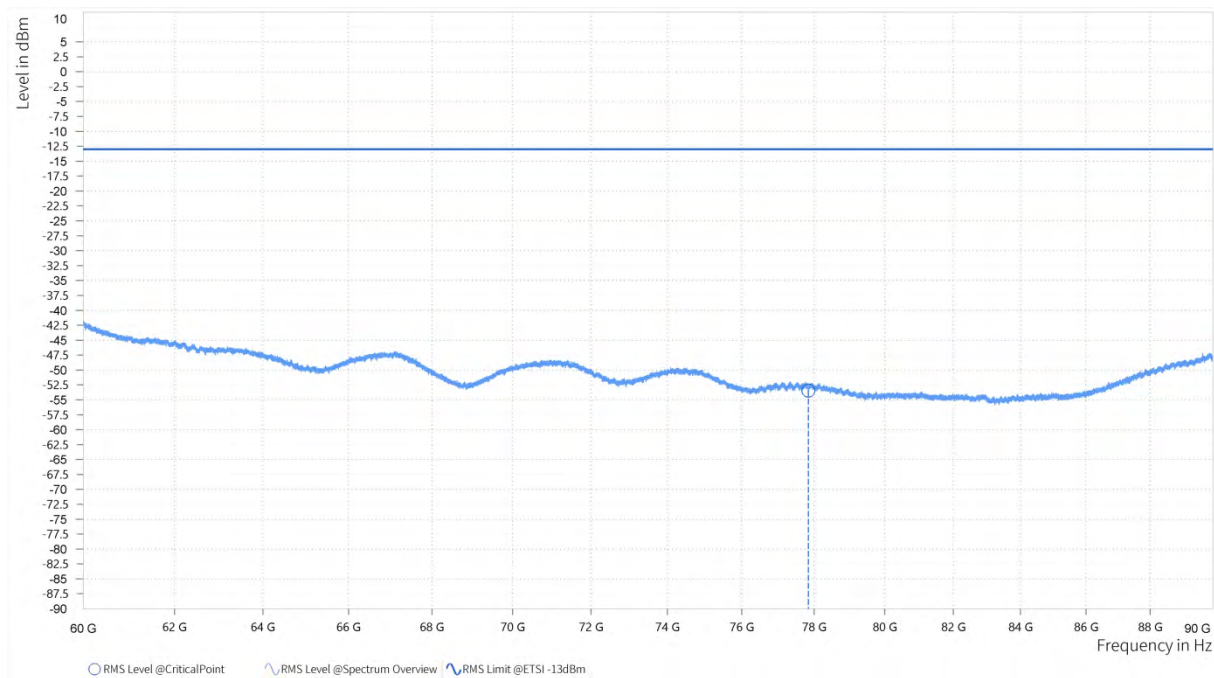
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	89,873.000	-47.27	-13.00	34.27	V

FR2 n258a-High 60-90G BW 100M



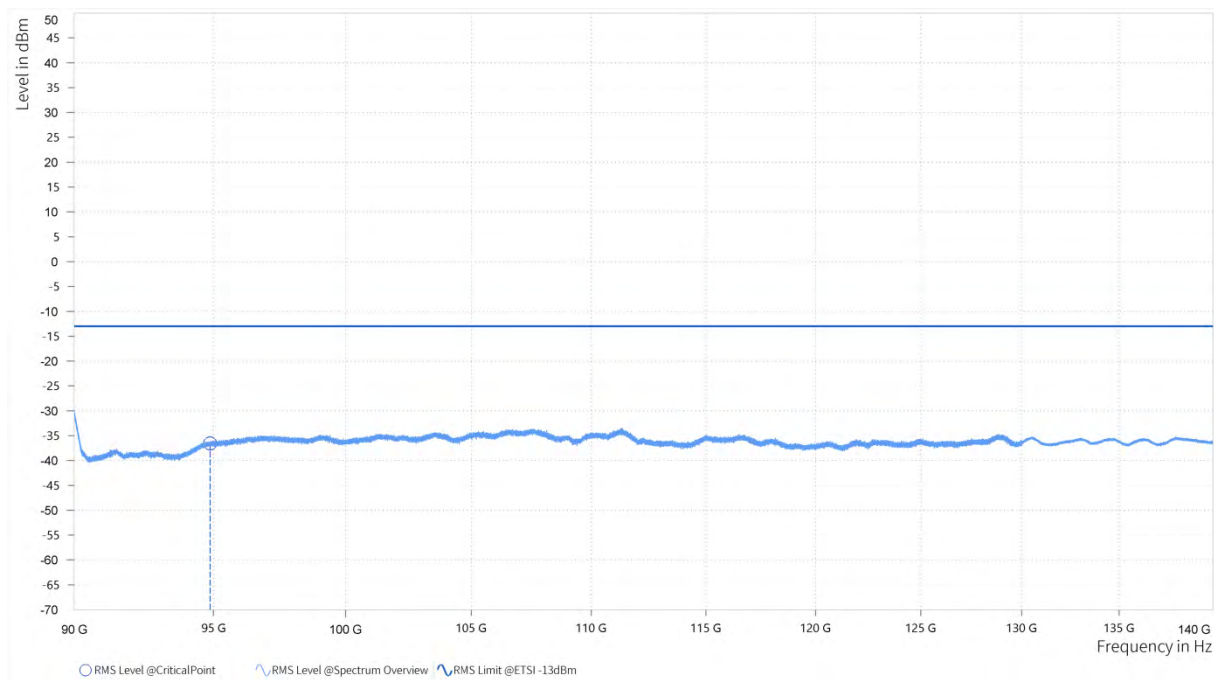
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	70,902.500	-46.00	-13.00	33.00	H

FR2 n258a-High 60-90G BW 100M



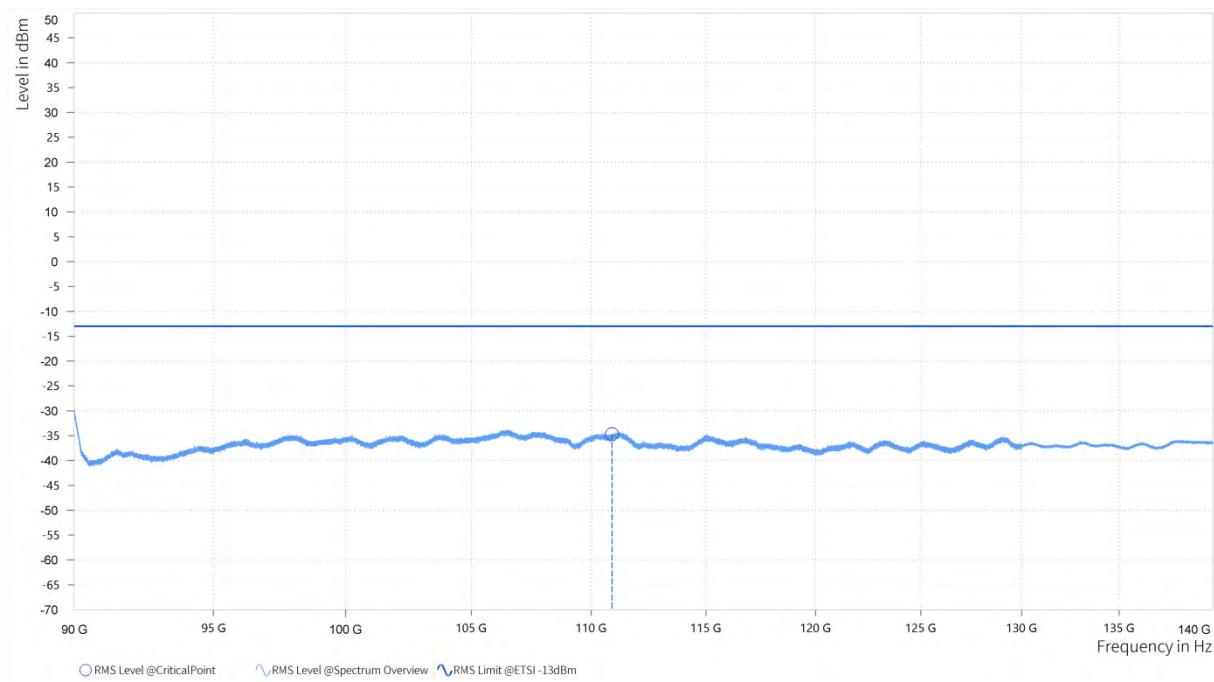
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	77,841.000	-53.44	-13.00	40.44	V

FR2 n258a-Low 90-140G BW 100M



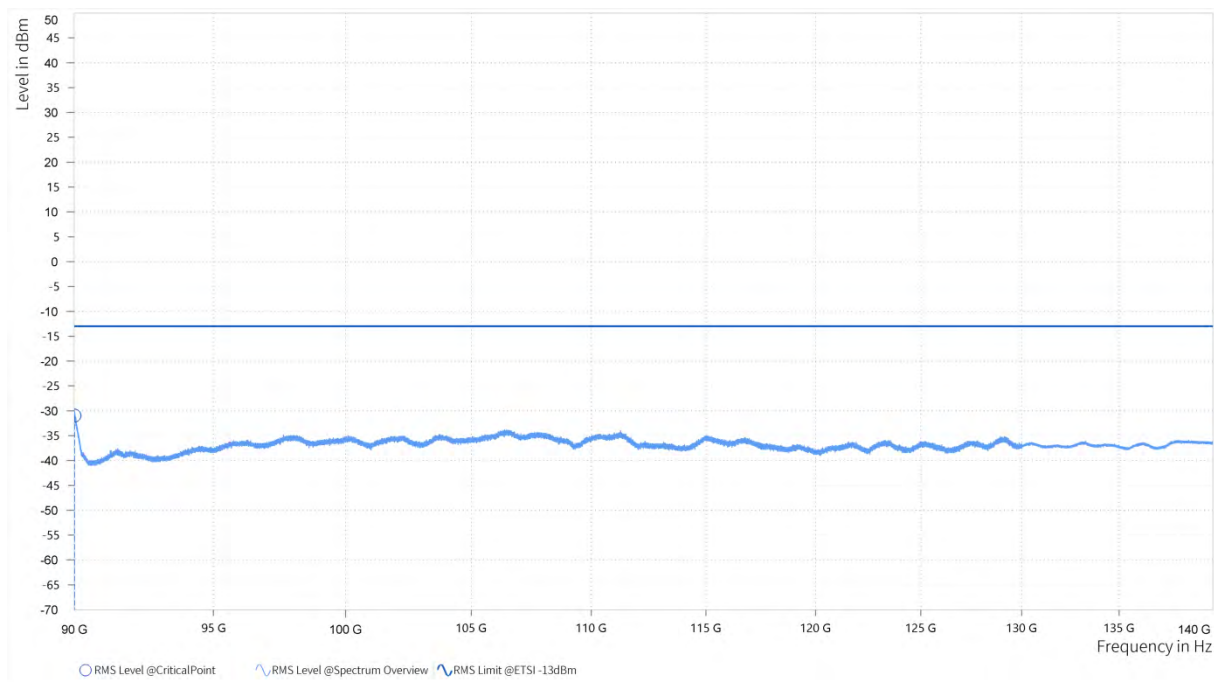
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	94,873.500	-36.59	-13.00	23.59	H

FR2 n258a-Low 90-140G BW 100M



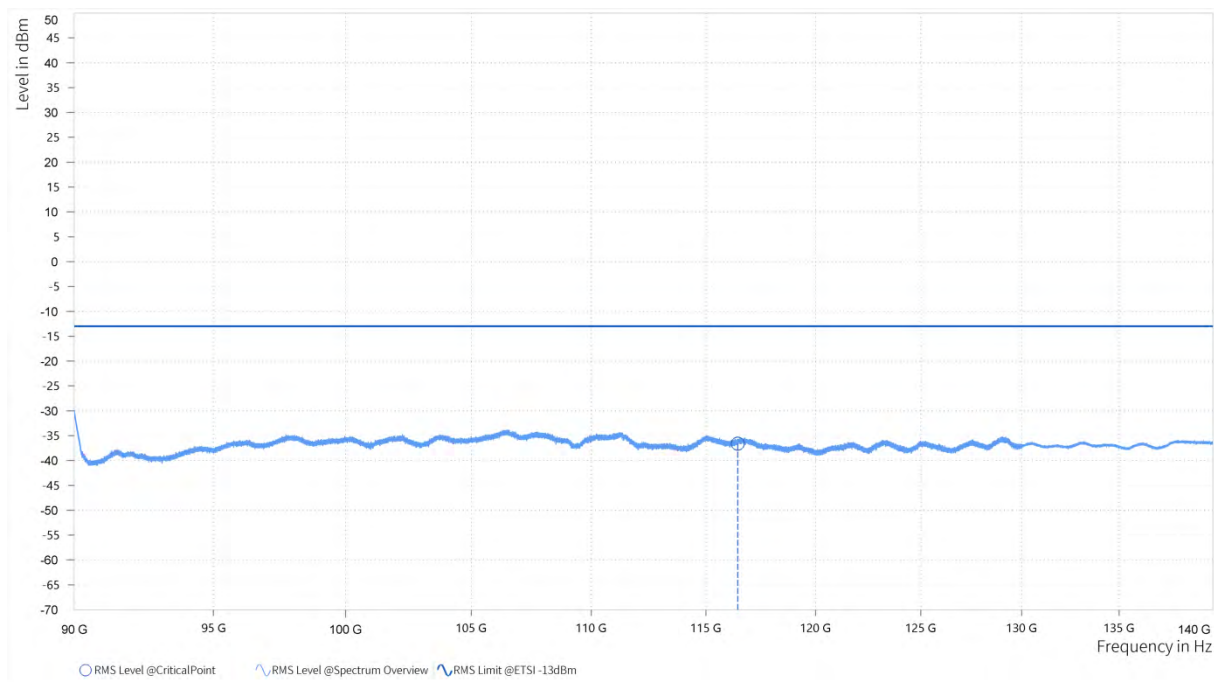
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	110,888.000	-34.70	-13.00	21.70	V

FR2 n258a-Mid 90-140G BW 100M



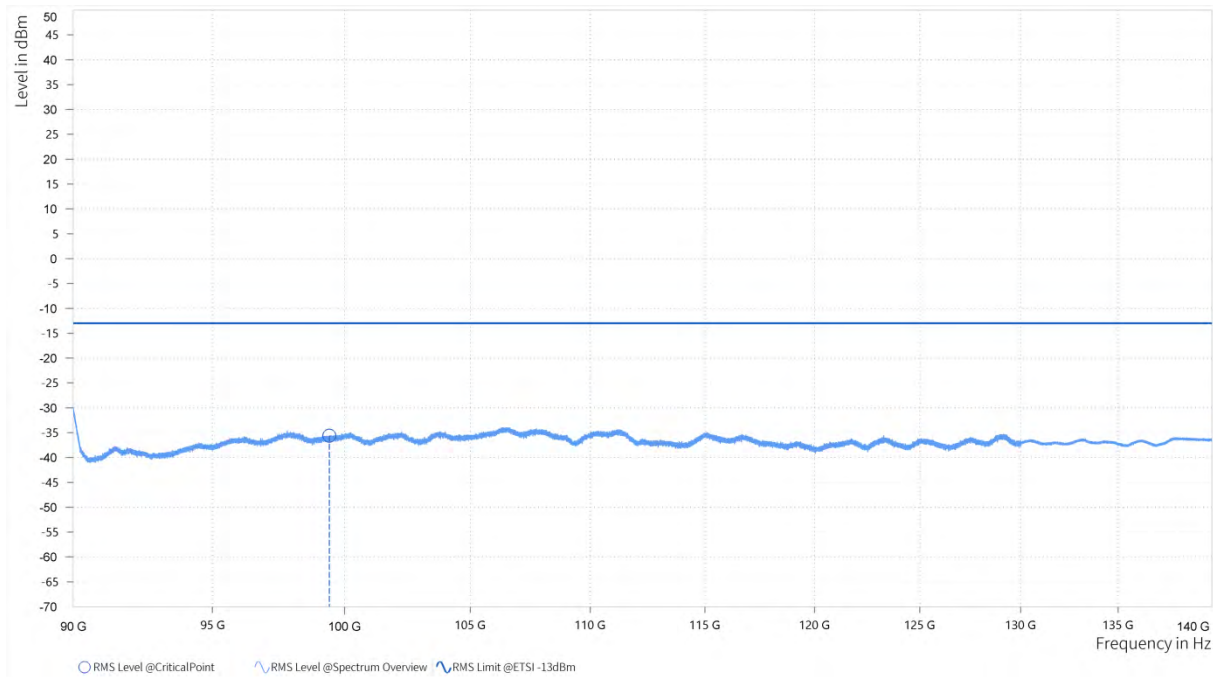
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	90,010.000	-30.98	-13.00	17.98	H

FR2 n258a-Mid 90-140G BW 100M



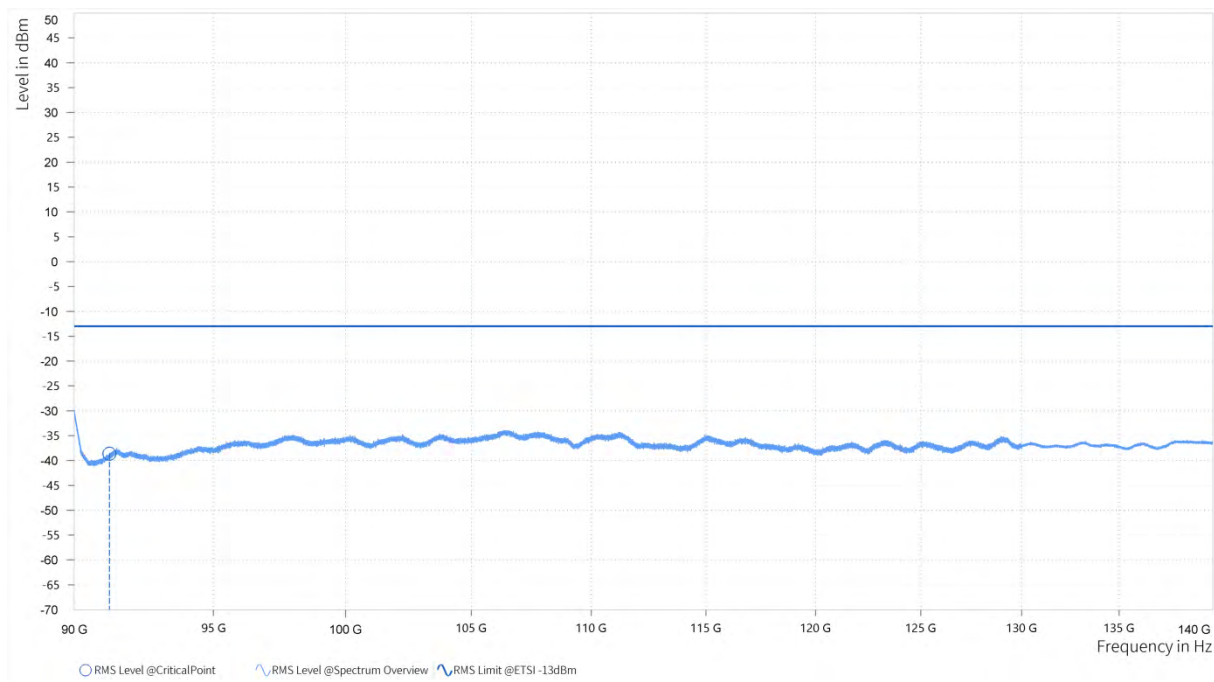
Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	116,430.000	-36.60	-13.00	23.60	V

FR2 n258a-High 90-140G BW 100M



Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	99,409.500	-35.61	-13.00	22.61	V

FR2 n258a-High 90-140G BW 100M



Rg	Frequency [MHz]	RMS Level [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Polarization
1	91,242.500	-38.64	-13.00	25.64	H

5. Frequency Stability

Test Result

Test Conditions		NR Band 258a/Middle Channel			Limit
		CW tone			Note.
Temperature(℃)	Voltage(Volt)	Frequency(GHZ)	Deviation(Khz)	Deviation(ppm)	Result
50	120	24.34356	103.250	4.241	Pass
40	120	24.33884	133.250	5.475	
30	120	24.33816	99.350	4.082	
20(Ref)	120	24.36208	0.000	0.000	
10	120	24.36722	-34.230	1.405	
0	120	24.34526	-102.360	4.205	
-10	120	24.34516	-143.630	5.900	
-20	120	24.34053	-165.260	6.789	
-30	120	24.33443	-193.240	7.941	
20	102	24.35763	18.000	0.739	
20	120	24.32843	9.000	0.370	
20	138	24.34218	22.000	0.904	
Note:The frequency fundamental emissions stay within the operation band					

The End