Plot 7-327. PAR Plot (NR Band n77 PC2 (C-band) - 60MHz CP-OFDM 256-QAM - Full RB - Sub-UHB)

Plot 7-328. PAR Plot (NR Band n77 PC2 (C-band) - 40MHz DFT-s-OFDM BPSK - Full RB - Sub-UHB)

Plot 7-329. PAR Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM QPSK - Full RB - Sub-UHB)

Plot 7-330. PAR Plot (NR Band n77 PC2 (C-band) - 40MHz CP-OFDM 256-QAM - Full RB - Sub-UHB)

Plot 7-331. PAR Plot (NR Band n77 PC2 (C-band) - 30MHz DFT-s-OFDM BPSK - Full RB - Sub-UHB)

Plot 7-332. PAR Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM QPSK - Full RB - Sub-UHB)

Plot 7-333. PAR Plot (NR Band n77 PC2 (C-band) - 30MHz CP-OFDM 256-QAM - Full RB - Sub-UHB)

Plot 7-334. PAR Plot (NR Band n77 PC2 (C-band) - 20MHz DFT-s-OFDM BPSK - Full RB - Sub-UHB)

Plot 7-335. PAR Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM QPSK - Full RB - Sub-UHB)

Plot 7-336. PAR Plot (NR Band n77 PC2 (C-band) - 20MHz CP-OFDM 256-QAM - Full RB - Sub-UHB)

7.7 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW ≥ 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points ≥ 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

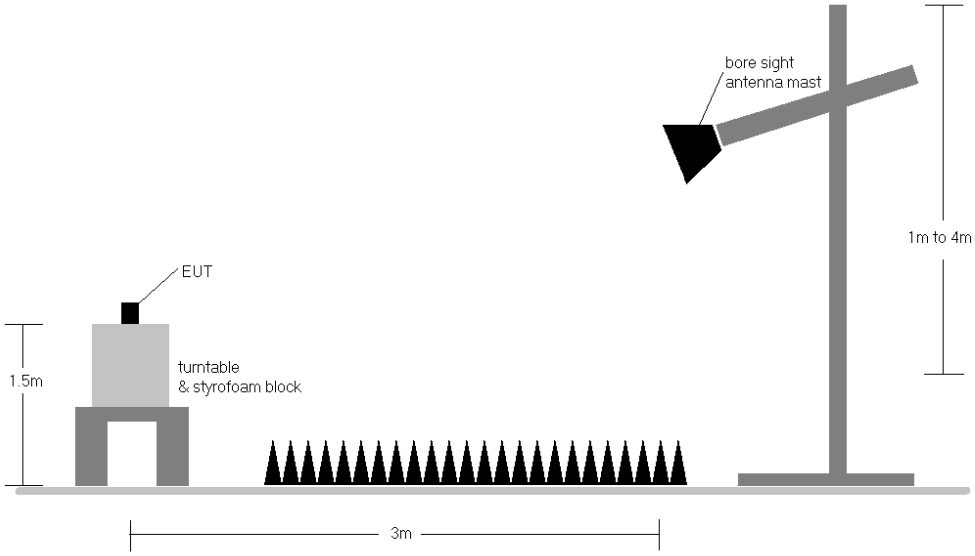


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.

2) This unit was tested with its standard battery.

3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g., CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated, and the worst-case configuration results are reported in this section.

4) UL-MIMO and SRS 2T4R have both antennas transmitting simultaneously for radiated power (EIRP).

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	QPSK	3500.0	V	101	333	7.16	1 / 136	12.26	**19.42**	0.087	30.00	-10.58
	16-QAM	3500.0	V	101	333	7.16	1 / 136	11.24	18.40	0.069	30.00	-11.60
	64-QAM	3500.0	V	101	333	7.16	1 / 136	10.77	17.93	0.062	30.00	-12.07
	256-QAM	3500.0	V	101	333	7.16	1 / 136	10.64	17.80	0.060	30.00	-12.20
80 MHz	QPSK	3490.0	V	103	20	7.25	217 / 0	12.14	19.39	0.087	30.00	-10.61
	QPSK	3500.0	V	103	20	7.16	1 / 1	12.50	**19.66**	0.092	30.00	-10.34
	QPSK	3510.0	V	103	20	7.16	217 / 0	12.05	19.21	0.083	30.00	-10.79
	16-QAM	3490.0	V	103	20	7.25	217 / 0	10.82	18.06	0.064	30.00	-11.94
	16-QAM	3500.0	V	103	20	7.16	1 / 1	10.66	17.82	0.061	30.00	-12.18
	16-QAM	3510.0	V	103	20	7.16	217 / 0	11.04	18.19	0.066	30.00	-11.81
	64-QAM	3490.0	V	103	20	7.25	217 / 0	10.21	17.46	0.056	30.00	-12.54
	64-QAM	3500.0	V	103	20	7.16	1 / 1	10.79	17.95	0.062	30.00	-12.05
	64-QAM	3510.0	V	103	20	7.16	217 / 0	10.43	17.59	0.057	30.00	-12.41
	256-QAM	3490.0	V	103	20	7.25	217 / 0	11.89	19.14	0.082	30.00	-10.86
	256-QAM	3500.0	V	103	20	7.16	1 / 1	12.35	19.51	0.089	30.00	-10.49
	256-QAM	3510.0	V	103	20	7.16	217 / 0	12.14	19.30	0.085	30.00	-10.70
60 MHz	QPSK	3480.0	V	103	20	7.33	1 / 1	12.72	**20.06**	0.101	30.00	-9.94
	QPSK	3500.0	V	103	20	7.16	1 / 1	12.35	19.51	0.089	30.00	-10.49
	QPSK	3520.0	V	103	20	7.16	1 / 160	12.66	19.82	0.096	30.00	-10.18
	16-QAM	3480.0	V	103	20	7.33	1 / 1	11.04	18.37	0.069	30.00	-11.63
	16-QAM	3500.0	V	103	20	7.16	1 / 1	11.17	18.33	0.068	30.00	-11.67
	16-QAM	3520.0	V	103	20	7.16	1 / 160	11.34	18.49	0.071	30.00	-11.51
	64-QAM	3480.0	V	103	20	7.33	1 / 1	10.98	18.32	0.068	30.00	-11.68
	64-QAM	3500.0	V	103	20	7.16	1 / 1	10.99	18.15	0.065	30.00	-11.85
	64-QAM	3520.0	V	103	20	7.16	1 / 160	11.05	18.21	0.066	30.00	-11.79
	256-QAM	3480.0	V	103	20	7.33	1 / 1	12.67	20.00	0.100	30.00	-10.00
	256-QAM	3500.0	V	103	20	7.16	1 / 1	12.14	19.30	0.085	30.00	-10.70
	256-QAM	3520.0	V	103	20	7.16	1 / 160	11.88	19.04	0.080	30.00	-10.96
40 MHz	QPSK	3470.0	V	103	20	7.42	106 / 0	12.63	**20.05**	0.101	30.00	-9.95
	QPSK	3500.0	V	103	20	7.16	1 / 1	12.70	19.86	0.097	30.00	-10.14
	QPSK	3530.0	V	103	20	7.16	1 / 1	12.89	**20.05**	0.101	30.00	-9.95
	16-QAM	3470.0	V	103	20	7.42	106 / 0	11.32	18.74	0.075	30.00	-11.26
	16-QAM	3500.0	V	103	20	7.16	1 / 1	11.78	18.94	0.078	30.00	-11.06
	16-QAM	3530.0	V	103	20	7.16	1 / 104	11.78	18.93	0.078	30.00	-11.07
	64-QAM	3470.0	V	103	20	7.42	106 / 0	10.75	18.17	0.066	30.00	-11.83
	64-QAM	3500.0	V	103	20	7.16	1 / 1	11.16	18.32	0.068	30.00	-11.68
	64-QAM	3530.0	V	103	20	7.16	1 / 104	11.10	18.26	0.067	30.00	-11.74
	256-QAM	3470.0	V	103	20	7.42	106 / 0	12.61	20.03	0.101	30.00	-9.97
	256-QAM	3500.0	V	103	20	7.16	1 / 1	12.63	19.79	0.095	30.00	-10.21
	256-QAM	3530.0	V	103	20	7.16	1 / 104	11.44	18.60	0.072	30.00	-11.40
30 MHz	QPSK	3465.0	V	103	20	7.46	1 / 39	12.58	20.05	0.101	30.00	-9.95
	QPSK	3500.0	V	103	20	7.16	1 / 1	12.90	**20.06**	0.101	30.00	-9.94
	QPSK	3535.0	V	103	20	7.16	1 / 76	12.88	20.04	0.101	30.00	-9.96
	16-QAM	3465.0	V	103	20	7.46	1 / 39	11.48	18.94	0.078	30.00	-11.06
	16-QAM	3500.0	V	103	20	7.16	1 / 1	11.61	18.77	0.075	30.00	-11.23
	16-QAM	3535.0	V	103	20	7.16	1 / 76	12.12	19.27	0.085	30.00	-10.73
	64-QAM	3465.0	V	103	20	7.46	1 / 39	10.93	18.40	0.069	30.00	-11.60
	64-QAM	3500.0	V	103	20	7.16	1 / 1	11.15	18.31	0.068	30.00	-11.69
	64-QAM	3535.0	V	103	20	7.16	1 / 76	11.10	18.26	0.067	30.00	-11.74
	256-QAM	3465.0	V	103	20	7.46	1 / 39	12.56	20.03	0.101	30.00	-9.97
	256-QAM	3500.0	V	103	20	7.16	1 / 1	12.84	20.00	0.100	30.00	-10.00
	256-QAM	3535.0	V	103	20	7.16	1 / 76	11.41	18.57	0.072	30.00	-11.43
20 MHz	QPSK	3460.0	V	103	20	7.51	1 / 1	12.55	**20.06**	0.101	30.00	-9.94
	QPSK	3500.0	V	103	20	7.16	1 / 25	12.77	19.93	0.098	30.00	-10.07
	QPSK	3540.0	V	103	20	7.16	1 / 49	12.87	20.03	0.101	30.00	-9.97
	16-QAM	3460.0	V	103	20	7.51	1 / 1	11.37	18.87	0.077	30.00	-11.13
	16-QAM	3500.0	V	103	20	7.16	1 / 25	11.67	18.83	0.076	30.00	-11.17
	16-QAM	3540.0	V	103	20	7.16	1 / 49	11.64	18.79	0.076	30.00	-11.21
	64-QAM	3460.0	V	103	20	7.51	1 / 1	10.80	18.31	0.068	30.00	-11.69
	64-QAM	3500.0	V	103	20	7.16	1 / 25	10.99	18.15	0.065	30.00	-11.85
	64-QAM	3540.0	V	103	20	7.16	1 / 49	11.13	18.29	0.067	30.00	-11.71
	256-QAM	3460.0	V	103	20	7.51	1 / 1	12.51	20.02	0.100	30.00	-9.98
	256-QAM	3500.0	V	103	20	7.16	1 / 25	12.46	19.62	0.092	30.00	-10.38
	256-QAM	3540.0	V	103	20	7.16	1 / 49	11.63	18.79	0.076	30.00	-11.21

Table 7-15. EIRP Data (NR Band n77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	QPSK	3500.01	V	100	47	7.16	1 / 136	-2.88	**4.28**	0.003	30.00	-25.72
	16-QAM	3500.01	V	100	47	7.16	1 / 136	-3.31	3.85	0.002	30.00	-26.15
	64-QAM	3500.01	V	100	47	7.16	1 / 136	-5.93	1.23	0.001	30.00	-28.77
	256-QAM	3500.01	V	100	47	7.16	1 / 136	-5.95	1.21	0.001	30.00	-28.79

Table 7-16. EIRP Data (NR Band n77 PC3 (DoD) – 3rd-LMHB+4th-MHB (SRS 2T4R))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	QPSK	3750.0	V	113	353	5.98	1 / 136	12.53	18.51	0.071	30.00	-11.49
	QPSK	3840.0	V	101	347	6.02	1 / 136	15.32	**21.34**	0.136	30.00	-8.66
	QPSK	3930.0	V	106	344	5.99	1 / 136	11.74	17.73	0.059	30.00	-12.27
	16-QAM	3750.0	V	113	353	5.98	1 / 136	12.72	18.70	0.074	30.00	-11.30
	16-QAM	3840.0	V	101	347	6.02	1 / 136	14.65	20.67	0.117	30.00	-9.33
	16-QAM	3930.0	V	106	344	5.99	1 / 136	10.70	16.69	0.047	30.00	-13.31
	64-QAM	3750.0	V	113	353	5.98	1 / 136	12.49	18.47	0.070	30.00	-11.53
	64-QAM	3840.0	V	101	347	6.02	1 / 136	13.02	19.04	0.080	30.00	-10.96
	64-QAM	3930.0	V	106	344	5.99	1 / 136	13.03	19.02	0.080	30.00	-10.98
	256-QAM	3750.0	V	113	353	5.98	1 / 136	11.49	17.47	0.056	30.00	-12.53
	256-QAM	3840.0	V	101	347	6.02	1 / 136	11.20	17.22	0.053	30.00	-12.78
	256-QAM	3930.0	V	106	344	5.99	1 / 136	11.87	17.86	0.061	30.00	-12.14
80 MHz	QPSK	3740.0	V	102	15	5.99	1 / 108	13.04	19.03	0.080	30.00	-10.97
	QPSK	3840.0	V	108	7	6.02	1 / 108	15.83	**21.85**	0.153	30.00	-8.15
	QPSK	3940.0	V	105	14	6.04	217 / 0	12.07	18.12	0.065	30.00	-11.88
	16-QAM	3740.0	V	102	15	5.99	217 / 0	13.04	19.03	0.080	30.00	-10.97
	16-QAM	3840.0	V	108	7	6.02	1 / 1	15.60	21.62	0.145	30.00	-8.38
	16-QAM	3940.0	V	105	14	6.04	1 / 215	11.22	17.26	0.053	30.00	-12.74
	64-QAM	3740.0	V	102	15	5.99	1 / 215	12.85	18.85	0.077	30.00	-11.15
	64-QAM	3840.0	V	108	7	6.02	1 / 1	13.75	19.77	0.095	30.00	-10.23
	64-QAM	3940.0	V	105	14	6.04	1 / 108	13.72	19.76	0.095	30.00	-10.24
	256-QAM	3740.0	V	102	15	5.99	1 / 108	11.86	17.85	0.061	30.00	-12.15
	256-QAM	3840.0	V	108	7	6.02	1 / 1	11.77	17.79	0.060	30.00	-12.21
	256-QAM	3940.0	V	105	14	6.04	1 / 215	12.55	18.59	0.072	30.00	-11.41
60 MHz	QPSK	3730.0	V	102	15	6.00	1 / 160	13.38	19.39	0.087	30.00	-10.61
	QPSK	3840.0	V	108	7	6.02	1 / 1	16.02	**22.04**	0.160	30.00	-7.96
	QPSK	3950.0	V	105	14	6.10	1 / 160	12.30	18.41	0.069	30.00	-11.59
	16-QAM	3730.0	V	102	15	6.00	162 / 0	13.54	19.55	0.090	30.00	-10.45
	16-QAM	3840.0	V	108	7	6.02	162 / 0	15.23	21.24	0.133	30.00	-8.76
	16-QAM	3950.0	V	105	14	6.10	1 / 160	11.16	17.26	0.053	30.00	-12.74
	64-QAM	3730.0	V	102	15	6.00	1 / 160	13.25	19.25	0.084	30.00	-10.75
	64-QAM	3840.0	V	108	7	6.02	1 / 81	14.11	20.13	0.103	30.00	-9.87
	64-QAM	3950.0	V	105	14	6.10	1 / 160	13.84	19.95	0.099	30.00	-10.05
	256-QAM	3730.0	V	102	15	6.00	162 / 0	12.01	18.02	0.063	30.00	-11.98
	256-QAM	3840.0	V	108	7	6.02	1 / 1	11.81	17.83	0.061	30.00	-12.17
	256-QAM	3950.0	V	105	14	6.10	162 / 0	12.33	18.43	0.070	30.00	-11.57
40 MHz	QPSK	3720.0	V	102	15	6.01	106 / 0	13.67	19.69	0.093	30.00	-10.31
	QPSK	3840.0	V	108	7	6.02	1 / 1	16.16	**22.18**	0.165	30.00	-7.82
	QPSK	3960.0	V	105	14	6.15	1 / 53	12.86	19.01	0.080	30.00	-10.99
	16-QAM	3720.0	V	102	15	6.01	106 / 0	13.83	19.84	0.096	30.00	-10.16
	16-QAM	3840.0	V	108	7	6.02	1 / 1	15.66	21.68	0.147	30.00	-8.32
	16-QAM	3960.0	V	105	14	6.15	1 / 104	11.95	18.10	0.065	30.00	-11.90
	64-QAM	3720.0	V	102	15	6.01	1 / 53	13.28	19.29	0.085	30.00	-10.71
	64-QAM	3840.0	V	108	7	6.02	1 / 104	14.27	20.29	0.107	30.00	-9.71
	64-QAM	3960.0	V	105	14	6.15	1 / 1	14.18	20.33	0.108	30.00	-9.67
	256-QAM	3720.0	V	102	15	6.01	106 / 0	12.51	18.53	0.071	30.00	-11.47
	256-QAM	3840.0	V	108	7	6.02	106 / 0	11.95	17.97	0.063	30.00	-12.03
	256-QAM	3960.0	V	105	14	6.15	1 / 104	12.83	18.98	0.079	30.00	-11.02
30 MHz	QPSK	3715.0	V	102	15	6.02	1 / 76	13.64	19.66	0.092	30.00	-10.34
	QPSK	3840.0	V	108	7	6.02	1 / 39	16.19	**22.21**	0.166	30.00	-7.79
	QPSK	3965.0	V	105	14	6.18	1 / 39	12.95	19.12	0.082	30.00	-10.88
	16-QAM	3715.0	V	102	15	6.02	1 / 76	13.82	19.84	0.096	30.00	-10.16
	16-QAM	3840.0	V	108	7	6.02	78 / 0	15.76	21.78	0.151	30.00	-8.22
	16-QAM	3965.0	V	105	14	6.18	78 / 0	11.62	17.80	0.060	30.00	-12.20
	64-QAM	3715.0	V	102	15	6.02	78 / 0	13.18	19.20	0.083	30.00	-10.80
	64-QAM	3840.0	V	108	7	6.02	1 / 1	14.47	20.49	0.112	30.00	-9.51
	64-QAM	3965.0	V	105	14	6.18	1 / 76	14.37	20.54	0.113	30.00	-9.46
	256-QAM	3715.0	V	102	15	6.02	1 / 76	12.54	18.56	0.072	30.00	-11.44
	256-QAM	3840.0	V	108	7	6.02	78 / 0	11.99	18.01	0.063	30.00	-11.99
	256-QAM	3965.0	V	105	14	6.18	1 / 76	13.33	19.50	0.089	30.00	-10.50
20 MHz	QPSK	3710.0	V	102	15	6.03	1 / 49	13.38	19.41	0.087	30.00	-10.59
	QPSK	3840.0	V	108	7	6.02	1 / 25	16.42	**22.44**	0.175	30.00	-7.56
	QPSK	3970.0	V	105	14	6.20	1 / 25	13.06	19.26	0.084	30.00	-10.74
	16-QAM	3710.0	V	102	15	6.03	1 / 49	13.62	19.65	0.092	30.00	-10.35
	16-QAM	3840.0	V	108	7	6.02	1 / 1	15.97	21.99	0.158	30.00	-8.01
	16-QAM	3970.0	V	105	14	6.20	1 / 25	11.91	18.11	0.065	30.00	-11.89
	64-QAM	3710.0	V	102	15	6.03	1 / 49	13.26	19.29	0.085	30.00	-10.71
	64-QAM	3840.0	V	108	7	6.02	1 / 1	14.29	20.30	0.107	30.00	-9.70
	64-QAM	3970.0	V	105	14	6.20	1 / 49	14.40	20.60	0.115	30.00	-9.40
	256-QAM	3710.0	V	102	15	6.03	1 / 49	12.36	18.39	0.069	30.00	-11.61
	256-QAM	3840.0	V	108	7	6.02	1 / 1	12.08	18.10	0.065	30.00	-11.90
	256-QAM	3970.0	V	105	14	6.20	51 / 0	12.92	19.12	0.082	30.00	-10.88

Table 7-17. EIRP Data (NR Band n77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	QPSK	3750.00	V	108	56	6.83	1 / 68	-6.98	-0.15	0.001	30.00	-30.15
	QPSK	3840.00	V	101	41	6.47	1 / 68	-2.91	3.56	0.002	30.00	-26.44
	QPSK	3930.00	V	104	52	6.49	1 / 68	-4.28	2.21	0.002	30.00	-27.79
	16-QAM	3750.00	V	108	56	6.83	1 / 68	-7.55	-0.72	0.001	30.00	-30.72
	16-QAM	3840.00	V	101	41	6.47	1 / 68	-3.51	2.96	0.002	30.00	-27.04
	16-QAM	3930.00	V	104	52	6.49	1 / 68	-4.29	2.20	0.002	30.00	-27.80
	64-QAM	3750.00	V	108	56	6.83	1 / 68	-5.86	0.97	0.001	30.00	-29.03
	64-QAM	3840.00	V	101	41	6.47	1 / 68	-3.09	3.38	0.002	30.00	-26.62
	64-QAM	3930.00	V	104	52	6.49	1 / 68	-4.82	1.67	0.001	30.00	-28.33
	256-QAM	3750.00	V	108	56	6.83	1 / 68	-4.92	1.91	0.002	30.00	-28.09
	256-QAM	3840.00	V	101	41	6.47	1 / 68	-2.87	**3.60**	0.002	30.00	-26.40
	256-QAM	3930.00	V	104	52	6.49	1 / 68	-3.38	3.11	0.002	30.00	-26.89

Table 7-18. EIRP Data (NR Band n77 PC3 (C-Band) – 3rd-LMHB+4th-MHB (SRS 2T4R))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3500.0	H	103	20	7.74	1 / 136	14.72	22.46	0.176	30.00	-7.54
	QPSK	3500.0	H	103	20	7.74	1 / 136	14.73	**22.47**	0.176	30.00	-7.53
	16-QAM	3500.0	H	103	20	7.74	1 / 136	14.05	21.79	0.151	30.00	-8.21
80 MHz	π/2 BPSK	3490.0	H	103	20	7.71	1 / 1	14.66	22.38	0.173	30.00	-7.62
	π/2 BPSK	3500.0	H	103	20	7.74	1 / 108	14.63	22.37	0.172	30.00	-7.63
	π/2 BPSK	3510.0	H	103	20	7.68	1 / 1	14.71	22.40	0.174	30.00	-7.60
	QPSK	3490.0	H	103	20	7.71	1 / 108	14.79	**22.51**	0.178	30.00	-7.49
	QPSK	3500.0	H	103	20	7.74	1 / 1	14.71	22.45	0.176	30.00	-7.55
	QPSK	3510.0	H	103	20	7.68	1 / 1	14.79	22.48	0.177	30.00	-7.52
	16-QAM	3490.0	H	103	20	7.71	1 / 108	14.18	21.90	0.155	30.00	-8.10
60 MHz	π/2 BPSK	3480.0	H	103	20	7.69	1 / 81	14.91	22.60	0.182	30.00	-7.40
	π/2 BPSK	3500.0	H	103	20	7.74	1 / 81	14.87	22.61	0.182	30.00	-7.39
	π/2 BPSK	3520.0	H	103	20	7.63	1 / 1	14.96	22.60	0.182	30.00	-7.40
	QPSK	3480.0	H	103	20	7.69	1 / 81	14.94	22.63	0.183	30.00	-7.37
	QPSK	3500.0	H	103	20	7.74	1 / 81	14.95	**22.69**	0.186	30.00	-7.31
	QPSK	3520.0	H	103	20	7.63	1 / 1	14.96	22.60	0.182	30.00	-7.40
	16-QAM	3480.0	H	103	20	7.69	1 / 81	14.33	22.02	0.159	30.00	-7.98
40 MHz	π/2 BPSK	3470.0	H	103	20	7.66	1 / 104	15.21	22.88	0.194	30.00	-7.12
	π/2 BPSK	3500.0	H	103	20	7.74	1 / 1	15.06	22.80	0.190	30.00	-7.20
	π/2 BPSK	3530.0	H	103	20	7.58	1 / 104	15.20	22.79	0.190	30.00	-7.21
	QPSK	3470.0	H	103	20	7.66	1 / 104	15.28	**22.95**	0.197	30.00	-7.05
	QPSK	3500.0	H	103	20	7.74	1 / 1	15.14	22.88	0.194	30.00	-7.12
	QPSK	3530.0	H	103	20	7.58	1 / 104	15.26	22.85	0.193	30.00	-7.15
	16-QAM	3530.0	H	103	20	7.58	1 / 104	14.68	22.27	0.169	30.00	-7.73
30 MHz	π/2 BPSK	3465.0	H	103	20	7.65	1 / 1	15.08	22.73	0.187	30.00	-7.27
	π/2 BPSK	3500.0	H	103	20	7.74	1 / 1	14.99	22.73	0.187	30.00	-7.27
	π/2 BPSK	3535.0	H	103	20	7.56	1 / 1	15.11	22.67	0.185	30.00	-7.33
	QPSK	3465.0	H	103	20	7.65	1 / 1	15.17	**22.82**	0.191	30.00	-7.18
	QPSK	3500.0	H	103	20	7.74	1 / 1	15.06	22.80	0.190	30.00	-7.20
	QPSK	3535.0	H	103	20	7.56	1 / 39	15.19	22.75	0.188	30.00	-7.25
	16-QAM	3465.0	H	103	20	7.65	1 / 76	14.56	22.21	0.166	30.00	-7.79
20 MHz	π/2 BPSK	3460.0	H	103	20	7.64	1 / 49	15.10	22.74	0.188	30.00	-7.26
	π/2 BPSK	3500.0	H	103	20	7.74	1 / 1	15.02	22.76	0.189	30.00	-7.24
	π/2 BPSK	3540.0	H	103	20	7.53	1 / 49	15.18	22.71	0.186	30.00	-7.29
	QPSK	3460.0	H	103	20	7.64	1 / 49	15.19	**22.83**	0.192	30.00	-7.17
	QPSK	3500.0	H	103	20	7.74	1 / 1	15.06	22.80	0.190	30.00	-7.20
	QPSK	3540.0	H	103	20	7.53	1 / 49	15.26	22.79	0.190	30.00	-7.21
	16-QAM	3500.0	H	103	20	7.74	1 / 1	14.45	22.19	0.165	30.00	-7.81
100 MHz	QPSK (WCP)	3500.0	H	107	201	7.74	1 / 136	10.60	18.34	0.068	30.00	-11.66

Table 7-19. EIRP Data (NR Band n77 PC2 (DoD) – Main1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3500.01	H	172	29	7.74	273 / 0	6.66	**14.40**	0.028	30.00	-15.60
	QPSK	3500.01	H	172	29	7.74	273 / 0	6.57	14.31	0.027	30.00	-15.69
	16-QAM	3500.01	H	172	29	7.74	273 / 0	6.61	14.35	0.027	30.00	-15.65
	64-QAM	3500.01	H	172	29	7.74	273 / 0	6.58	14.32	0.027	30.00	-15.68
	256-QAM	3500.01	H	172	29	7.74	273 / 0	5.65	13.39	0.022	30.00	-16.61
80 MHz	π/2 BPSK	3490.02	H	172	29	7.71	1 / 162	7.14	14.86	0.031	30.00	-15.14
	π/2 BPSK	3500.01	H	172	29	7.74	1 / 54	6.91	14.65	0.029	30.00	-15.35
	π/2 BPSK	3510.00	H	172	29	7.68	1 / 162	7.00	14.69	0.029	30.00	-15.31
	QPSK	3490.02	H	172	29	7.71	217 / 0	7.02	14.74	0.030	30.00	-15.26
	QPSK	3500.01	H	172	29	7.74	1 / 54	7.00	14.74	0.030	30.00	-15.26
	QPSK	3510.00	H	172	29	7.68	1 / 162	6.92	14.61	0.029	30.00	-15.39
	16-QAM	3490.02	H	172	29	7.71	217 / 0	7.08	14.80	0.030	30.00	-15.20
	16-QAM	3500.01	H	172	29	7.74	1 / 54	7.07	14.81	0.030	30.00	-15.19
	16-QAM	3510.00	H	172	29	7.68	1 / 162	6.99	14.68	0.029	30.00	-15.32
	64-QAM	3490.02	H	172	29	7.71	217 / 0	7.25	**14.97**	0.031	30.00	-15.03
	64-QAM	3500.01	H	172	29	7.74	1 / 54	7.03	14.77	0.030	30.00	-15.23
	64-QAM	3510.00	H	172	29	7.68	1 / 162	7.12	14.81	0.030	30.00	-15.19
	256-QAM	3490.02	H	172	29	7.71	217 / 0	6.76	14.48	0.028	30.00	-15.52
	256-QAM	3500.01	H	172	29	7.74	1 / 54	6.56	14.30	0.027	30.00	-15.70
	256-QAM	3510.00	H	172	29	7.68	1 / 162	6.78	14.47	0.028	30.00	-15.53
60 MHz	π/2 BPSK	3480.00	H	172	29	7.69	162 / 0	7.07	14.76	0.030	30.00	-15.24
	π/2 BPSK	3500.01	H	172	29	7.74	1 / 40	7.01	14.75	0.030	30.00	-15.25
	π/2 BPSK	3519.99	H	172	29	7.63	1 / 81	7.12	14.76	0.030	30.00	-15.24
	QPSK	3480.00	H	172	29	7.69	1 / 121	7.05	14.74	0.030	30.00	-15.26
	QPSK	3500.01	H	172	29	7.74	1 / 40	6.90	14.64	0.029	30.00	-15.36
	QPSK	3519.99	H	172	29	7.63	1 / 121	7.11	14.75	0.030	30.00	-15.25
	16-QAM	3480.00	H	172	29	7.69	1 / 121	7.14	14.83	0.030	30.00	-15.17
	16-QAM	3500.01	H	172	29	7.74	1 / 40	6.79	14.53	0.028	30.00	-15.47
	16-QAM	3519.99	H	172	29	7.63	1 / 121	7.12	14.76	0.030	30.00	-15.24
	64-QAM	3480.00	H	172	29	7.69	1 / 121	7.16	**14.85**	0.031	30.00	-15.15
	64-QAM	3500.01	H	172	29	7.74	1 / 40	7.08	14.82	0.030	30.00	-15.18
	64-QAM	3519.99	H	172	29	7.63	1 / 121	7.21	**14.85**	0.031	30.00	-15.15
	256-QAM	3480.00	H	172	29	7.69	1 / 121	7.08	14.77	0.030	30.00	-15.23
	256-QAM	3500.01	H	172	29	7.74	1 / 40	6.68	14.42	0.028	30.00	-15.58
	256-QAM	3519.99	H	172	29	7.63	1 / 121	6.96	14.60	0.029	30.00	-15.40
40 MHz	π/2 BPSK	3470.01	H	172	29	7.66	1 / 26	7.30	**14.97**	0.031	30.00	-15.03
	π/2 BPSK	3500.01	H	172	29	7.74	1 / 26	6.94	14.68	0.029	30.00	-15.32
	π/2 BPSK	3529.98	H	172	29	7.58	1 / 53	7.16	14.75	0.030	30.00	-15.25
	QPSK	3470.01	H	172	29	7.66	1 / 26	7.08	14.75	0.030	30.00	-15.25
	QPSK	3500.01	H	172	29	7.74	1 / 26	6.89	14.63	0.029	30.00	-15.37
	QPSK	3529.98	H	172	29	7.58	1 / 79	7.08	14.67	0.029	30.00	-15.33
	16-QAM	3470.01	H	172	29	7.66	1 / 26	7.19	14.86	0.031	30.00	-15.14
	16-QAM	3500.01	H	172	29	7.74	1 / 26	7.09	14.83	0.030	30.00	-15.17
	16-QAM	3529.98	H	172	29	7.58	1 / 79	7.20	14.79	0.030	30.00	-15.21
	64-QAM	3470.01	H	172	29	7.66	1 / 26	6.98	14.65	0.029	30.00	-15.35
	64-QAM	3500.01	H	172	29	7.74	1 / 26	6.78	14.52	0.028	30.00	-15.48
	64-QAM	3529.98	H	172	29	7.58	1 / 79	7.20	14.79	0.030	30.00	-15.21
	256-QAM	3470.01	H	172	29	7.66	1 / 26	6.85	14.52	0.028	30.00	-15.48
	256-QAM	3500.01	H	172	29	7.74	1 / 26	6.83	14.57	0.029	30.00	-15.43
	256-QAM	3529.98	H	172	29	7.58	1 / 79	6.91	14.50	0.028	30.00	-15.50
30 MHz	π/2 BPSK	3465.00	H	172	29	7.65	1 / 58	6.91	14.56	0.029	30.00	-15.44
	π/2 BPSK	3500.01	H	172	29	7.74	1 / 19	6.44	14.18	0.026	30.00	-15.82
	π/2 BPSK	3534.99	H	172	29	7.56	1 / 58	7.06	14.62	0.029	30.00	-15.38
	QPSK	3465.00	H	172	29	7.65	1 / 58	6.77	14.42	0.028	30.00	-15.58
	QPSK	3500.01	H	172	29	7.74	1 / 19	6.53	14.27	0.027	30.00	-15.73
	QPSK	3534.99	H	172	29	7.56	1 / 58	7.11	14.67	0.029	30.00	-15.33
	16-QAM	3465.00	H	172	29	7.65	1 / 58	7.17	14.82	0.030	30.00	-15.18
	16-QAM	3500.01	H	172	29	7.74	1 / 19	6.44	14.18	0.026	30.00	-15.82
	16-QAM	3534.99	H	172	29	7.56	1 / 58	7.29	**14.85**	0.031	30.00	-15.15
	64-QAM	3465.00	H	172	29	7.65	1 / 58	6.67	14.32	0.027	30.00	-15.68
	64-QAM	3500.01	H	172	29	7.74	1 / 19	6.56	14.30	0.027	30.00	-15.70
	64-QAM	3534.99	H	172	29	7.56	1 / 58	7.26	14.82	0.030	30.00	-15.18
	256-QAM	3465.00	H	172	29	7.65	1 / 58	6.89	14.54	0.028	30.00	-15.46
	256-QAM	3500.01	H	172	29	7.74	1 / 19	6.88	14.62	0.029	30.00	-15.38
	256-QAM	3534.99	H	172	29	7.56	1 / 58	7.01	14.57	0.029	30.00	-15.43
20 MHz	π/2 BPSK	3460.02	H	172	29	7.64	1 / 37	7.11	14.75	0.030	30.00	-15.25
	π/2 BPSK	3500.01	H	172	29	7.74	1 / 13	6.64	14.38	0.027	30.00	-15.62
	π/2 BPSK	3540.00	H	172	29	7.53	1 / 37	7.18	14.71	0.030	30.00	-15.29
	QPSK	3460.02	H	172	29	7.64	1 / 37	7.03	14.67	0.029	30.00	-15.33
	QPSK	3500.01	H	172	29	7.74	1 / 13	6.74	14.48	0.028	30.00	-15.52
	QPSK	3540.00	H	172	29	7.53	1 / 37	7.19	14.72	0.030	30.00	-15.28
	16-QAM	3460.02	H	172	29	7.64	1 / 37	7.20	14.84	0.030	30.00	-15.16
	16-QAM	3500.01	H	172	29	7.74	1 / 13	6.71	14.45	0.028	30.00	-15.55
	16-QAM	3540.00	H	172	29	7.53	1 / 37	7.27	14.80	0.030	30.00	-15.20
	64-QAM	3460.02	H	172	29	7.64	1 / 37	7.21	**14.85**	0.031	30.00	-15.15
	64-QAM	3500.01	H	172	29	7.74	1 / 13	6.70	14.44	0.028	30.00	-15.56
	64-QAM	3540.00	H	172	29	7.53	1 / 37	7.28	14.81	0.030	30.00	-15.19
	256-QAM	3460.02	H	172	29	7.64	1 / 37	6.93	14.57	0.029	30.00	-15.43
	256-QAM	3500.01	H	172	29	7.74	1 / 13	6.93	14.67	0.029	30.00	-15.33
	256-QAM	3540.00	H	172	29	7.53	1 / 37	6.99	14.52	0.028	30.00	-15.48
100 MHz	QPSK (WCP)	3500.0	V	146	71	7.16	1/1	1.85	9.01	0.008	30.00	-20.99

Table 7-20. EIRP Data (NR Band n77 PC2 (DoD) – Sub-UHB)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3500.01	H	113	304	7.74	1 / 136	5.50	**13.24**	0.021	30.00	-16.76
	QPSK	3500.01	H	113	304	7.74	1 / 136	5.41	13.15	0.021	30.00	-16.85
	16-QAM	3500.01	H	113	304	7.74	1 / 136	4.33	12.07	0.016	30.00	-17.93

Table 7-21. EIRP Data (NR Band n77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3500.01	H	113	304	7.74	1 / 136	5.50	**13.24**	0.021	30.00	-16.76
	QPSK	3500.01	H	113	304	7.74	1 / 136	5.41	13.15	0.021	30.00	-16.85
	16-QAM	3500.01	H	113	304	7.74	1 / 136	4.33	12.07	0.016	30.00	-17.93

Table 7-22. EIRP Data (NR Band n77 PC2 (DoD) – 4th-MHB (SRS 1T4R))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	H	102	15	5.98	1 / 136	16.60	22.58	0.181	30.00	-7.42
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 136	15.73	21.75	0.150	30.00	-8.25
	π/2 BPSK	3930.0	H	105	14	5.99	1 / 68	14.93	20.92	0.124	30.00	-9.08
	QPSK	3750.0	H	102	15	5.98	1 / 136	16.88	**22.86**	0.193	30.00	-7.14
	QPSK	3840.0	H	108	7	6.02	1 / 136	15.69	21.71	0.148	30.00	-8.29
	QPSK	3930.0	H	105	14	5.99	1 / 68	15.03	21.02	0.126	30.00	-8.98
	16-QAM	3750.0	H	102	15	5.98	1 / 136	15.94	21.92	0.156	30.00	-8.08
80 MHz	π/2 BPSK	3740.0	H	102	15	5.99	1 / 108	16.56	22.55	0.180	30.00	-7.45
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 108	15.85	21.87	0.154	30.00	-8.13
	π/2 BPSK	3940.0	H	105	14	6.04	1 / 108	14.82	20.87	0.122	30.00	-9.13
	QPSK	3740.0	H	102	15	5.99	1 / 108	16.90	**22.89**	0.195	30.00	-7.11
	QPSK	3840.0	H	108	7	6.02	1 / 108	15.77	21.79	0.151	30.00	-8.21
	QPSK	3940.0	H	105	14	6.04	1 / 108	15.01	21.06	0.128	30.00	-8.94
	16-QAM	3740.0	H	102	15	5.99	1 / 108	16.08	22.07	0.161	30.00	-7.93
60 MHz	π/2 BPSK	3730.0	H	102	15	6.00	1 / 1	16.63	22.63	0.183	30.00	-7.37
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 81	15.89	21.91	0.155	30.00	-8.09
	π/2 BPSK	3950.0	H	105	14	6.10	1 / 81	14.85	20.95	0.124	30.00	-9.05
	QPSK	3730.0	H	102	15	6.00	1 / 1	16.95	**22.95**	0.197	30.00	-7.05
	QPSK	3840.0	H	108	7	6.02	1 / 81	15.94	21.96	0.157	30.00	-8.04
	QPSK	3950.0	H	105	14	6.10	1 / 81	14.95	21.05	0.127	30.00	-8.95
	16-QAM	3730.0	H	102	15	6.00	1 / 1	15.94	21.94	0.156	30.00	-8.06
40 MHz	π/2 BPSK	3720.0	H	102	15	6.01	1 / 1	16.99	23.00	0.200	30.00	-7.00
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 1	16.09	22.11	0.163	30.00	-7.89
	π/2 BPSK	3960.0	H	105	14	6.15	1 / 1	15.22	21.37	0.137	30.00	-8.63
	QPSK	3720.0	H	102	15	6.01	1 / 1	17.26	**23.27**	0.212	30.00	-6.73
	QPSK	3840.0	H	108	7	6.02	1 / 1	16.04	22.06	0.161	30.00	-7.94
	QPSK	3960.0	H	105	14	6.15	1 / 1	15.38	21.53	0.142	30.00	-8.47
	16-QAM	3720.0	H	102	15	6.01	1 / 1	16.47	22.48	0.177	30.00	-7.52
30 MHz	π/2 BPSK	3715.0	H	102	15	6.02	1 / 1	16.81	22.83	0.192	30.00	-7.17
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 76	15.97	21.99	0.158	30.00	-8.01
	π/2 BPSK	3965.0	H	105	14	6.18	1 / 76	15.08	21.26	0.134	30.00	-8.74
	QPSK	3715.0	H	102	15	6.02	1 / 1	17.11	**23.13**	0.206	30.00	-6.87
	QPSK	3840.0	H	108	7	6.02	1 / 76	16.01	22.03	0.160	30.00	-7.97
	QPSK	3965.0	H	105	14	6.18	1 / 1	15.30	21.48	0.141	30.00	-8.52
	16-QAM	3715.0	H	102	15	6.02	1 / 76	16.11	22.13	0.163	30.00	-7.87
20 MHz	π/2 BPSK	3710.0	H	102	15	6.03	1 / 1	16.84	22.87	0.194	30.00	-7.13
	π/2 BPSK	3840.0	H	108	7	6.02	1 / 25	15.97	21.99	0.158	30.00	-8.01
	π/2 BPSK	3970.0	H	105	14	6.20	1 / 1	15.09	21.29	0.135	30.00	-8.71
	QPSK	3710.0	H	102	15	6.03	1 / 49	17.07	**23.10**	0.204	30.00	-6.90
	QPSK	3840.0	H	108	7	6.02	1 / 25	15.90	21.92	0.156	30.00	-8.08
	QPSK	3970.0	H	105	14	6.20	1 / 1	15.26	21.46	0.140	30.00	-8.54
	16-QAM	3710.0	H	102	15	6.03	1 / 1	16.20	22.23	0.167	30.00	-7.77
100 MHz	QPSK (WCP)	3750.0	H	153	197	6.02	1 / 136	11.46	17.48	0.056	30.00	-12.52

Table 7-23. EIRP Data (NR Band n77 PC2 (C-band) – Main1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.00	V	134	338	6.83	1 / 136	8.62	15.45	0.035	30.00	-14.55
	π/2 BPSK	3840.00	V	124	336	6.47	1 / 136	10.57	17.04	0.051	30.00	-12.96
	π/2 BPSK	3930.00	V	124	331	6.49	1 / 136	8.20	14.69	0.029	30.00	-15.31
	QPSK	3750.00	V	134	338	6.83	1 / 136	8.81	15.64	0.037	30.00	-14.36
	QPSK	3840.00	V	124	336	6.47	1 / 136	10.59	17.06	0.051	30.00	-12.94
	QPSK	3930.00	V	124	331	6.49	1 / 136	8.24	14.73	0.030	30.00	-15.27
	16-QAM	3750.00	V	134	338	6.83	1 / 136	8.74	15.57	0.036	30.00	-14.43
	16-QAM	3840.00	V	124	336	6.47	1 / 136	10.39	16.86	0.049	30.00	-13.14
	16-QAM	3930.00	V	124	331	6.49	1 / 136	8.31	14.80	0.030	30.00	-15.20
	64-QAM	3750.00	V	134	338	6.83	1 / 136	8.82	15.65	0.037	30.00	-14.35
	64-QAM	3840.00	V	124	336	6.47	1 / 136	10.98	**17.45**	0.056	30.00	-12.55
	64-QAM	3930.00	V	124	331	6.49	1 / 136	8.41	14.90	0.031	30.00	-15.10
	256-QAM	3750.00	V	134	338	6.83	1 / 136	8.13	14.96	0.031	30.00	-15.04
	256-QAM	3840.00	V	124	336	6.47	1 / 136	9.86	16.33	0.043	30.00	-13.67
	256-QAM	3930.00	V	124	331	6.49	1 / 136	7.24	13.73	0.024	30.00	-16.27
80 MHz	π/2 BPSK	3740.01	V	134	338	6.78	1 / 162	8.79	15.57	0.036	30.00	-14.43
	π/2 BPSK	3840.00	V	124	336	6.47	1 / 162	10.66	17.13	0.052	30.00	-12.87
	π/2 BPSK	3939.99	V	124	331	6.48	1 / 108	8.39	14.86	0.031	30.00	-15.14
	QPSK	3740.01	V	134	338	6.78	1 / 162	8.85	15.63	0.037	30.00	-14.37
	QPSK	3840.00	V	124	336	6.47	1 / 162	10.90	**17.37**	0.055	30.00	-12.63
	QPSK	3939.99	V	124	331	6.48	1 / 108	8.51	14.98	0.032	30.00	-15.02
	16-QAM	3740.01	V	134	338	6.78	1 / 162	8.65	15.43	0.035	30.00	-14.57
	16-QAM	3840.00	V	124	336	6.47	1 / 162	10.64	17.11	0.051	30.00	-12.89
	16-QAM	3939.99	V	124	331	6.48	1 / 108	8.46	14.93	0.031	30.00	-15.07
	64-QAM	3740.01	V	134	338	6.78	1 / 162	9.28	16.06	0.040	30.00	-13.94
	64-QAM	3840.00	V	124	336	6.47	1 / 162	10.83	17.30	0.054	30.00	-12.70
	64-QAM	3939.99	V	124	331	6.48	1 / 108	8.31	14.78	0.030	30.00	-15.22
	256-QAM	3740.01	V	134	338	6.78	1 / 162	7.96	14.74	0.030	30.00	-15.26
	256-QAM	3840.00	V	124	336	6.47	1 / 162	9.71	16.18	0.042	30.00	-13.82
	256-QAM	3939.99	V	124	331	6.48	1 / 108	7.21	13.68	0.023	30.00	-16.32
60 MHz	π/2 BPSK	3730.02	V	134	338	6.73	1 / 81	9.02	15.75	0.038	30.00	-14.25
	π/2 BPSK	3840.00	V	124	336	6.47	162 / 0	10.77	17.24	0.053	30.00	-12.76
	π/2 BPSK	3949.98	V	124	331	6.46	162 / 0	8.62	15.07	0.032	30.00	-14.93
	QPSK	3730.02	V	134	338	6.73	1 / 81	9.09	15.82	0.038	30.00	-14.18
	QPSK	3840.00	V	124	336	6.47	1 / 81	10.91	17.38	0.055	30.00	-12.62
	QPSK	3949.98	V	124	331	6.46	1 / 81	8.72	15.17	0.033	30.00	-14.83
	16-QAM	3730.02	V	134	338	6.73	1 / 81	9.10	15.83	0.038	30.00	-14.17
	16-QAM	3840.00	V	124	336	6.47	1 / 81	10.73	17.20	0.053	30.00	-12.80
	16-QAM	3949.98	V	124	331	6.46	1 / 81	8.35	14.80	0.030	30.00	-15.20
	64-QAM	3730.02	V	134	338	6.73	1 / 81	9.08	15.81	0.038	30.00	-14.19
	64-QAM	3840.00	V	124	336	6.47	1 / 81	11.07	**17.54**	0.057	30.00	-12.46
	64-QAM	3949.98	V	124	331	6.46	1 / 81	8.65	15.10	0.032	30.00	-14.90
	256-QAM	3730.02	V	134	338	6.73	1 / 81	8.25	14.98	0.032	30.00	-15.02
	256-QAM	3840.00	V	124	336	6.47	1 / 81	10.03	16.50	0.045	30.00	-13.50
	256-QAM	3949.98	V	124	331	6.46	1 / 81	7.44	13.89	0.025	30.00	-16.11
40 MHz	π/2 BPSK	3720.00	V	134	338	6.68	1 / 79	8.94	15.62	0.037	30.00	-14.38
	π/2 BPSK	3840.00	V	124	336	6.47	1 / 26	10.51	16.98	0.050	30.00	-13.02
	π/2 BPSK	3960.00	V	124	331	6.41	1 / 79	8.51	14.92	0.031	30.00	-15.08
	QPSK	3720.00	V	134	338	6.68	1 / 79	9.14	15.82	0.038	30.00	-14.18
	QPSK	3840.00	V	124	336	6.47	1 / 26	10.76	17.23	0.053	30.00	-12.77
	QPSK	3960.00	V	124	331	6.41	1 / 79	8.71	15.12	0.033	30.00	-14.88
	16-QAM	3720.00	V	134	338	6.68	1 / 79	9.24	15.92	0.039	30.00	-14.08
	16-QAM	3840.00	V	124	336	6.47	1 / 26	10.77	17.24	0.053	30.00	-12.76
	16-QAM	3960.00	V	124	331	6.41	1 / 79	8.20	14.61	0.029	30.00	-15.39
	64-QAM	3720.00	V	134	338	6.68	1 / 79	9.45	16.13	0.041	30.00	-13.87
	64-QAM	3840.00	V	124	336	6.47	1 / 26	11.06	**17.53**	0.057	30.00	-12.47
	64-QAM	3960.00	V	124	331	6.41	1 / 79	8.61	15.02	0.032	30.00	-14.98
	256-QAM	3720.00	V	134	338	6.68	1 / 79	8.37	15.05	0.032	30.00	-14.95
	256-QAM	3840.00	V	124	336	6.47	1 / 26	10.19	16.66	0.046	30.00	-13.34
	256-QAM	3960.00	V	124	331	6.41	1 / 79	7.48	13.89	0.025	30.00	-16.11
30 MHz	π/2 BPSK	3715.02	V	134	338	6.66	1 / 58	8.65	15.30	0.034	30.00	-14.70
	π/2 BPSK	3840.00	V	124	336	6.47	1 / 19	10.21	16.68	0.047	30.00	-13.32
	π/2 BPSK	3964.98	V	124	331	6.39	1 / 58	8.14	14.53	0.028	30.00	-15.47
	QPSK	3715.02	V	134	338	6.66	1 / 58	8.93	15.58	0.036	30.00	-14.42
	QPSK	3840.00	V	124	336	6.47	1 / 19	10.48	16.95	0.050	30.00	-13.05
	QPSK	3964.98	V	124	331	6.39	1 / 58	8.19	14.58	0.029	30.00	-15.42
	16-QAM	3715.02	V	134	338	6.66	1 / 58	8.54	15.19	0.033	30.00	-14.81
	16-QAM	3840.00	V	124	336	6.47	1 / 19	10.22	16.69	0.047	30.00	-13.31
	16-QAM	3964.98	V	124	331	6.39	1 / 58	8.43	14.82	0.030	30.00	-15.18
	64-QAM	3715.02	V	134	338	6.66	1 / 58	9.01	15.66	0.037	30.00	-14.34
	64-QAM	3840.00	V	124	336	6.47	1 / 19	10.56	**17.03**	0.050	30.00	-12.97
	64-QAM	3964.98	V	124	331	6.39	1 / 58	8.13	14.52	0.028	30.00	-15.48
	256-QAM	3715.02	V	134	338	6.66	1 / 58	8.55	15.20	0.033	30.00	-14.80
	256-QAM	3840.00	V	124	336	6.47	1 / 19	10.06	16.53	0.045	30.00	-13.47
	256-QAM	3964.98	V	124	331	6.39	1 / 58	7.45	13.84	0.024	30.00	-16.16
20 MHz	π/2 BPSK	3710.01	V	134	338	6.63	51 / 0	9.02	15.65	0.037	30.00	-14.35
	π/2 BPSK	3840.00	V	124	336	6.47	1 / 25	10.66	17.13	0.052	30.00	-12.87
	π/2 BPSK	3969.99	V	124	331	6.37	1 / 37	8.63	15.00	0.032	30.00	-15.00
	QPSK	3710.01	V	134	338	6.63	51 / 0	9.15	15.78	0.038	30.00	-14.22
	QPSK	3840.00	V	124	336	6.47	1 / 25	10.56	17.03	0.050	30.00	-12.97
	QPSK	3969.99	V	124	331	6.37	1 / 37	8.86	15.23	0.033	30.00	-14.77
	16-QAM	3710.01	V	134	338	6.63	51 / 0	9.06	15.69	0.037	30.00	-14.31
	16-QAM	3840.00	V	124	336	6.47	1 / 25	10.50	16.97	0.050	30.00	-13.03
	16-QAM	3969.99	V	124	331	6.37	1 / 37	8.51	14.88	0.031	30.00	-15.12
	64-QAM	3710.01	V	134	338	6.63	51 / 0	9.26	15.89	0.039	30.00	-14.11
	64-QAM	3840.00	V	124	336	6.47	1 / 25	11.07	**17.54**	0.057	30.00	-12.46
	64-QAM	3969.99	V	124	331	6.37	1 / 37	8.82	15.19	0.033	30.00	-14.81
	256-QAM	3710.01	V	134	338	6.63	51 / 0	8.16	14.79	0.030	30.00	-15.21
	256-QAM	3840.00	V	124	336	6.47	1 / 25	9.72	16.19	0.042	30.00	-13.81
	256-QAM	3969.99	V	124	331	6.37	1 / 37	7.31	13.68	0.023	30.00	-16.32
100 MHz	QPSK (WCP)	3840.0	V	127	215	6.47	270/0	0.92	7.39	0.005	30.00	-22.61

Table 7-24. EIRP Data (NR Band n77 PC2 (C-band) – Sub-UHB)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.00	V	115	48	6.83	1 / 204	-0.58	6.25	0.004	30.00	-23.75
	π/2 BPSK	3840.00	V	115	51	6.47	1 / 136	2.63	9.10	0.008	30.00	-20.90
	π/2 BPSK	3930.00	V	112	48	6.49	1 / 136	2.91	9.40	0.009	30.00	-20.60
	QPSK	3750.00	V	115	48	6.83	1 / 204	-0.59	6.24	0.004	30.00	-23.76
	QPSK	3840.00	V	115	51	6.47	1 / 136	2.44	8.91	0.008	30.00	-21.09
	QPSK	3930.00	V	112	48	6.49	1 / 136	2.83	9.32	0.009	30.00	-20.68
	16-QAM	3930.00	V	112	48	6.49	1 / 136	2.34	8.83	0.008	30.00	-21.17

Table 7-25. EIRP Data (NR Band n77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R))

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.00	V	115	48	6.83	1 / 204	-0.58	6.25	0.004	30.00	-23.75
	π/2 BPSK	3840.00	V	115	51	6.47	1 / 136	2.63	9.10	0.008	30.00	-20.90
	π/2 BPSK	3930.00	V	112	48	6.49	1 / 136	2.91	9.40	0.009	30.00	-20.60
	QPSK	3750.00	V	115	48	6.83	1 / 204	-0.59	6.24	0.004	30.00	-23.76
	QPSK	3840.00	V	115	51	6.47	1 / 136	2.44	8.91	0.008	30.00	-21.09
	QPSK	3930.00	V	112	48	6.49	1 / 136	2.83	9.32	0.009	30.00	-20.68
	16-QAM	3930.00	V	112	48	6.49	1 / 136	2.34	8.83	0.008	30.00	-21.17

Table 7-26. EIRP Data (NR Band n77 PC2 (C-band) – 4th-MHB (SRS 1T4R))

7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW ≥ 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points ≥ 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

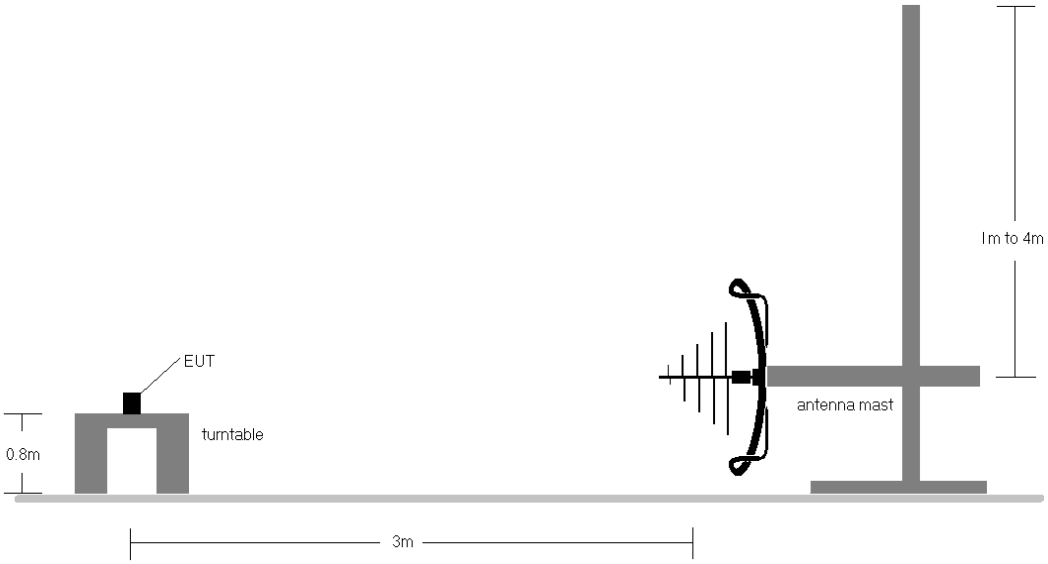


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

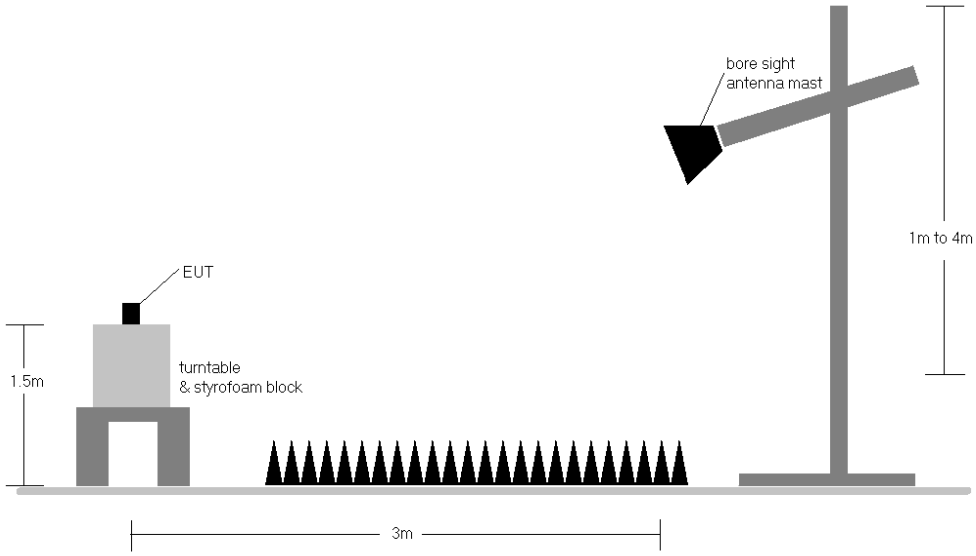


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

Test Notes

1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
   a) E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
   b) EIRP (dBm) = E(dBµV/m) + 20logD – 104.8; where D is the measurement distance in meters.
   c) ERP (dBm) = E(dBµV/m) + 20logD – 104.8 – 2.15; where D is the measurement distance in meters.

2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.

3) This unit was tested with its standard battery.

4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.

5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.

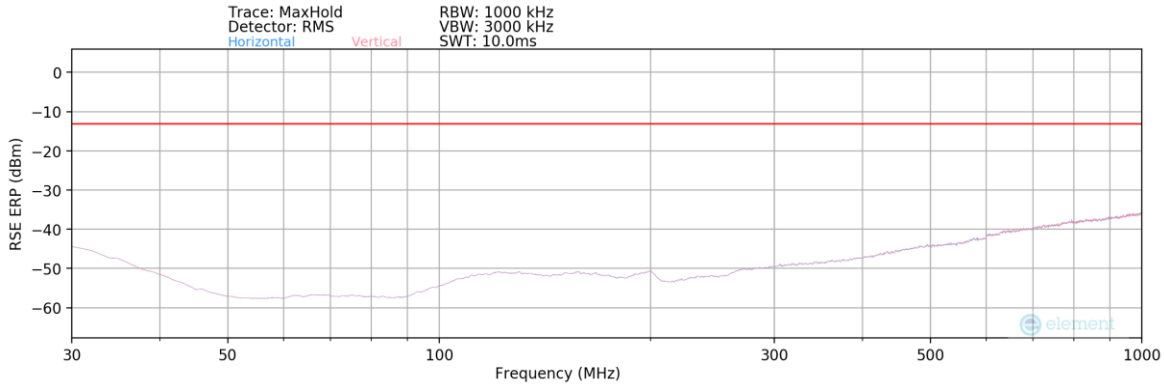
6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

7) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

8) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

9) UL-MIMO and SRS 2T4R have both antennas transmitting simultaneously for radiated spurious emissions.

NR Band n77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO)

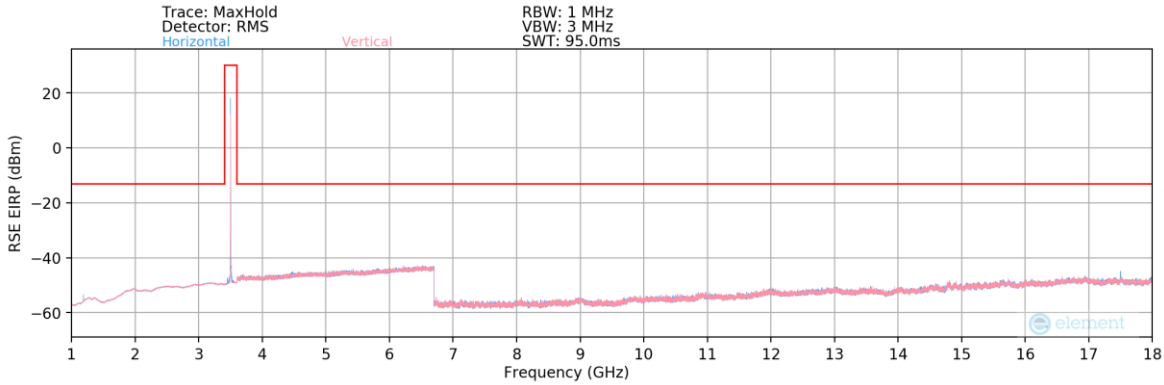


Plot 7-337. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO))

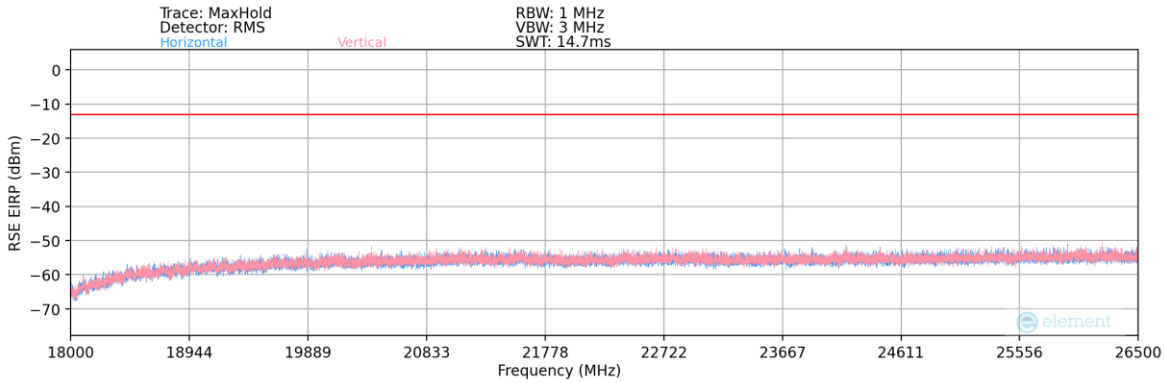
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
322.00	H	-	-	-85.19	21.49	43.30	-54.10	-13.00	-41.10

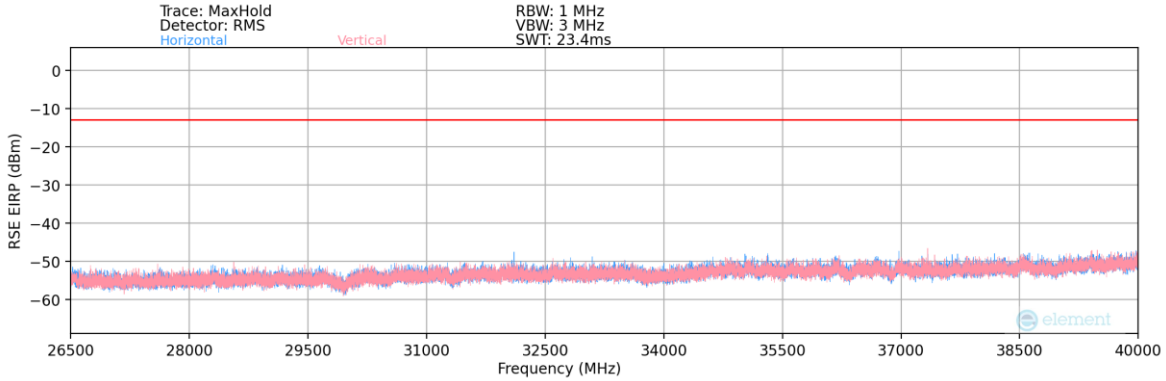
Table 7-27. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC3 (DoD) – Mid Channel – Main1+Sub-UHB (UL-MIMO))



Plot 7-338. Radiated Spurious Plot 1-18GHz (NR Band 77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO))



Plot 7-339. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO))



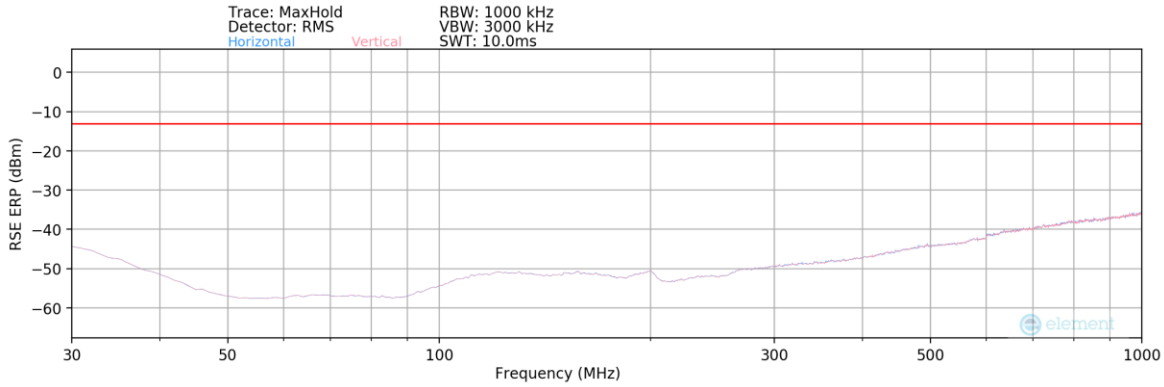
Plot 7-340. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC3 (DoD) – Main1+Sub-UHB (UL-MIMO))

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	H	-	-	-77.65	7.49	36.84	-58.42	-13.00	-45.42
10500.03	H	199	36	-76.75	10.91	41.16	-54.09	-13.00	-41.09
14000.04	H	-	-	-80.35	13.92	40.57	-54.68	-13.00	-41.68
17500.05	H	128	22	-77.23	17.45	47.22	-48.04	-13.00	-35.04
21000.06	H	-	-	-57.58	3.66	53.08	-51.72	-13.00	-38.72
24500.07	H	-	-	-57.16	4.10	53.94	-50.86	-13.00	-37.86
28000.08	H	-	-	-58.04	4.90	53.86	-50.94	-13.00	-37.94

Table 7-28. Radiated Spurious Data (NR Band 77 PC3 (DoD) – Mid Channel – Main1+Sub-UHB (UL-MIMO))

NR Band n77 PC3 (DoD) – 3rd-LMHB+4th-LMH (SRS 2T4R)

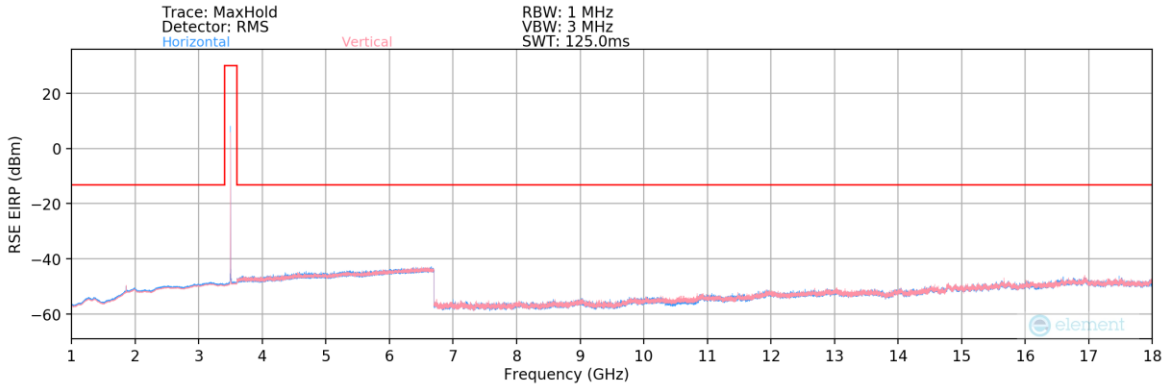


Plot 7-341. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC3 (DoD) – 3rd-LMHB+4th-LMH (SRS 2T4R))

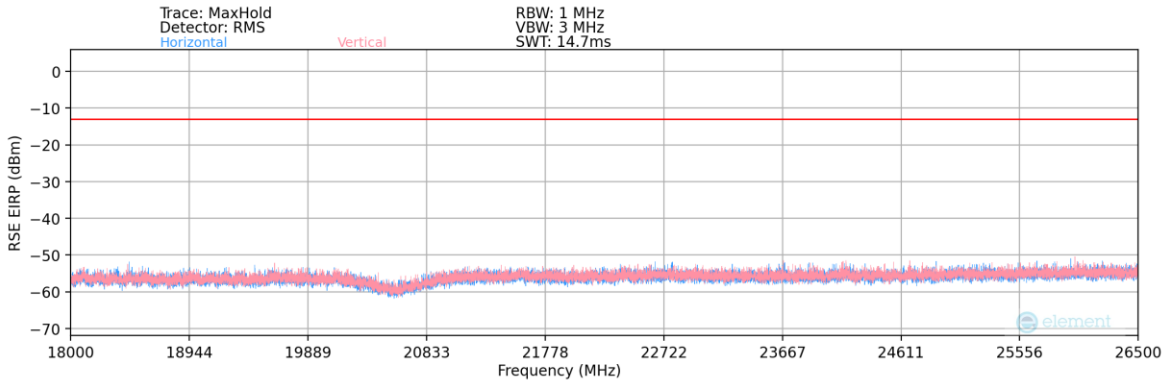
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1/136
Mode:	2T4R

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
477.00	V	-	-	-86.17	25.51	46.34	-51.06	-13.00	-38.06

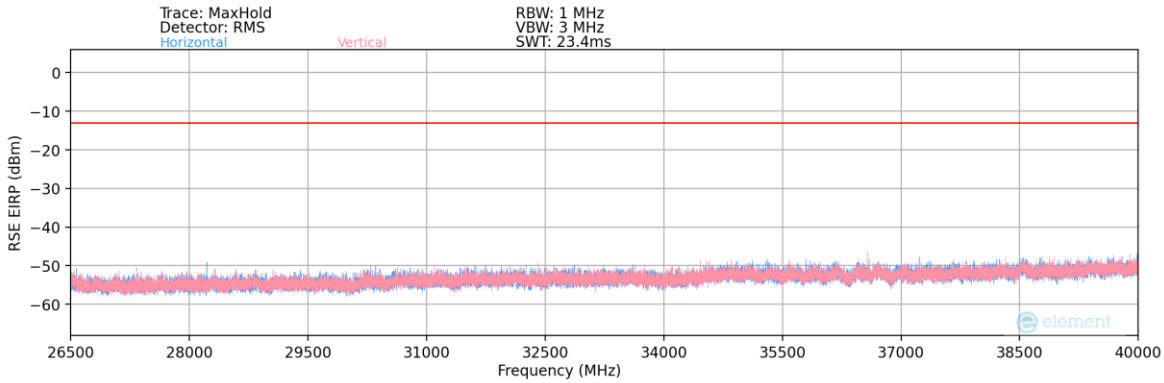
Table 7-29. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC3 (DoD) – Mid Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))



Plot 7-342. Radiated Spurious Plot 1-18GHz (NR Band 77 PC3 (DoD) – 3rd-LMHB+4th-LMH (SRS 2T4R))



Plot 7-343. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC3 (DoD) – 3rd-LMHB+4th-LMH (SRS 2T4R))



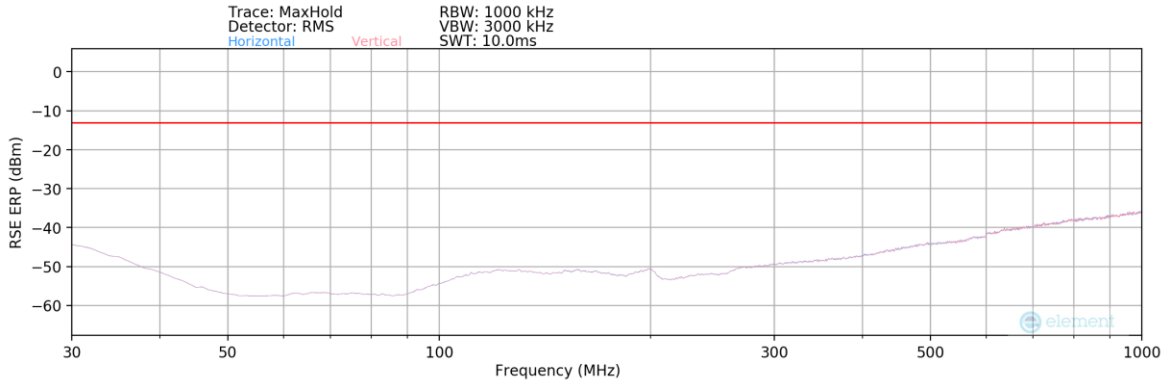
Plot 7-344. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC3 (DoD) – 3rd-LMHB+4th-LMH (SRS 2T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1/136
Mode:	2T4R

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	V	192	296	-75.23	7.49	39.26	-56.00	-13.00	-43.00
10500.03	V	-	-	-79.42	10.91	38.49	-56.76	-13.00	-43.76
14000.04	V	-	-	-80.32	13.92	40.60	-54.65	-13.00	-41.65
17500.05	V	-	-	-79.59	17.45	44.86	-50.40	-13.00	-37.40

Table 7-30. Radiated Spurious Data (NR Band 77 PC3 (DoD) – Mid Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))

NR Band n77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO)

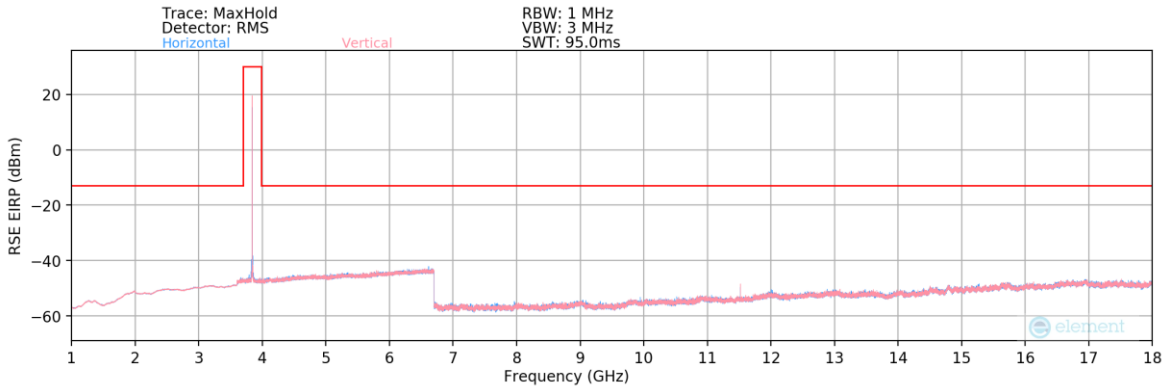


Plot 7-345. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO))

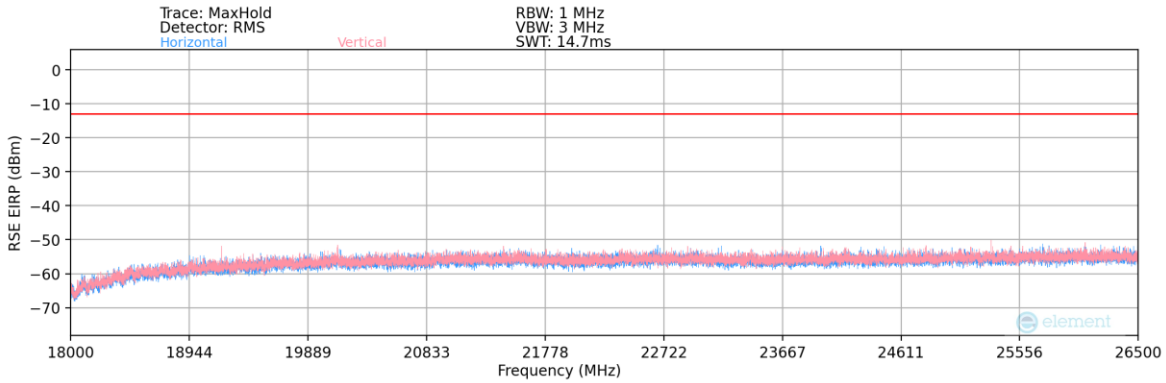
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
716.00	V	-	-	-84.52	29.15	51.63	-45.78	-13.00	-32.78

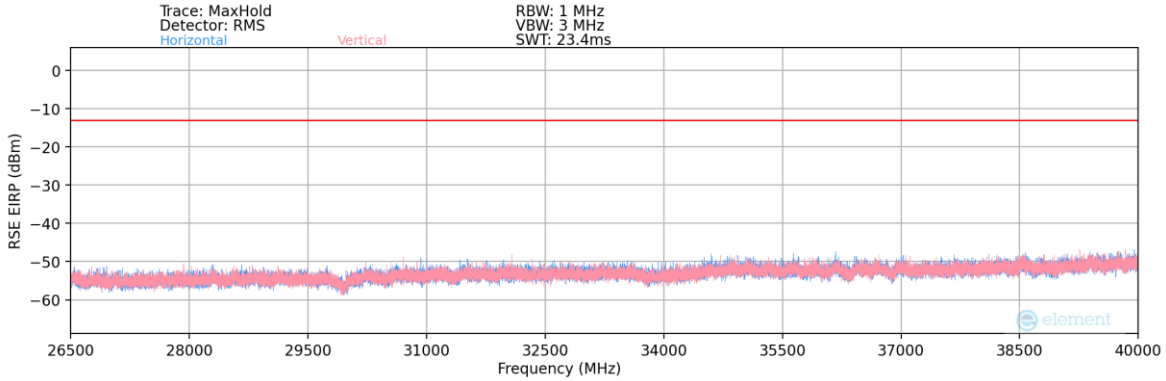
Table 7-31. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC3 (C-band) – Mid Channel – Main1+Sub-UHB (UL-MIMO))



Plot 7-346. Radiated Spurious Plot 1-18GHz (NR Band 77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO))



Plot 7-347. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO))



Plot 7-348. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC3 (C-band) – Main1+Sub-UHB (UL-MIMO))

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	V	-	-	-78.49	7.94	36.45	-58.81	-13.00	-45.81
11250.00	V	185	1	-76.16	11.51	42.35	-52.91	-13.00	-39.91
15000.00	V	-	-	-79.92	15.91	42.99	-52.27	-13.00	-39.27
18750.00	V	150	360	-55.99	1.87	52.88	-51.92	-13.00	-38.92
22500.00	V	-	-	-56.50	3.97	54.47	-50.33	-13.00	-37.33
26250.00	V	-	-	-55.31	4.35	56.03	-48.77	-13.00	-35.77
30000.00	V	-	-	-58.38	6.18	54.80	-50.00	-13.00	-37.00

Table 7-32. Radiated Spurious Data (NR Band 77 PC3 (C-band) – Low Channel – Main1+Sub-UHB (UL-MIMO))

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	V	150	16	-76.52	6.94	37.42	-57.83	-13.00	-44.83
11520.00	V	268	319	-69.53	11.97	49.44	-45.81	-13.00	-32.81
15360.00	V	-	-	-79.74	16.57	43.83	-51.42	-13.00	-38.42
19200.00	V	150	15	-56.89	2.25	52.36	-52.44	-13.00	-39.44
23040.00	V	-	-	-56.85	3.99	54.13	-50.67	-13.00	-37.67
26880.00	V	-	-	-57.67	4.75	54.08	-50.72	-13.00	-37.72
30720.00	V	-	-	-57.05	6.80	56.76	-48.04	-13.00	-35.04

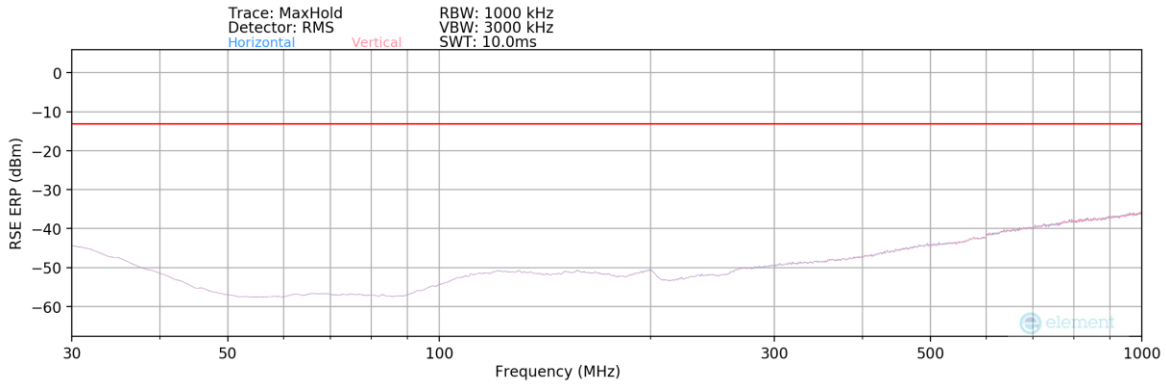
Table 7-33. Radiated Spurious Data (NR Band 77 PC3 (C-band) – Mid Channel – Main1+Sub-UHB (UL-MIMO))

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/136
Mode:	UL-MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	V	174	0	-77.64	7.76	37.12	-58.13	-13.00	-45.13
11790.00	V	-	-	-79.95	12.83	39.88	-55.37	-13.00	-42.37
15720.00	V	-	-	-80.04	17.36	44.32	-50.93	-13.00	-37.93
19650.00	V	150	15	-57.18	2.78	52.60	-52.20	-13.00	-39.20
23580.00	V	-	-	-57.18	4.00	53.83	-50.97	-13.00	-37.97
27510.00	V	-	-	-56.90	4.62	54.72	-50.08	-13.00	-37.08
31440.00	V	-	-	-57.28	6.99	56.71	-48.09	-13.00	-35.09

Table 7-34. Radiated Spurious Data (NR Band 77 PC3 (C-band) – High Channel – Main1+Sub-UHB (UL-MIMO))

NR Band n77 PC3 (C-band) – 3rd-LMHB+4th-LMH (SRS 2T4R)

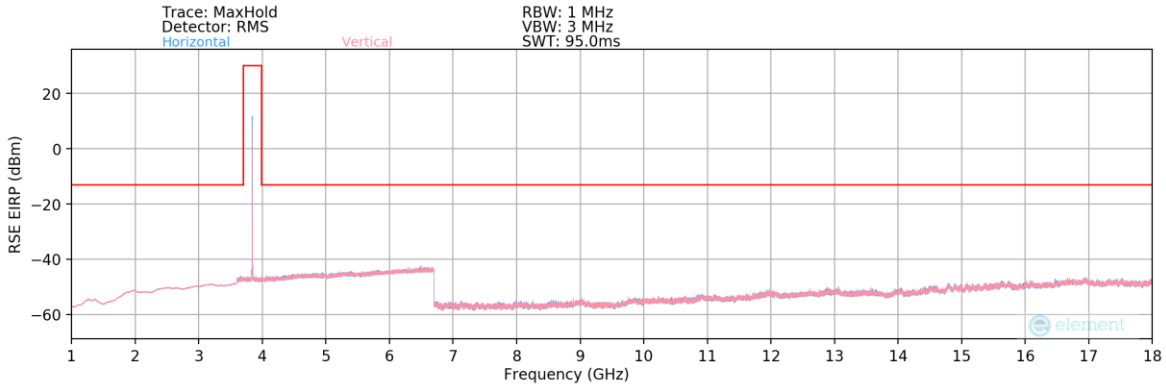


Plot 7-349. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC3 (C-band) – 3rd-LMHB+4th-LMH (SRS 2T4R))

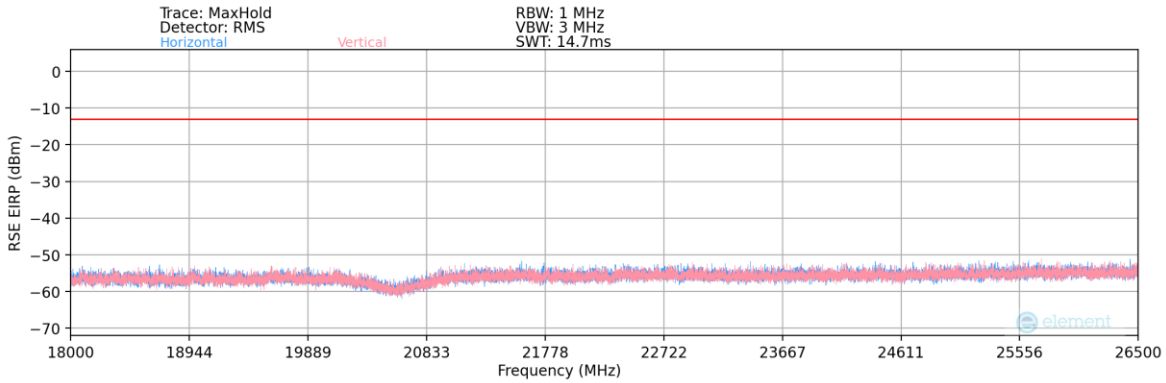
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/136
Mode:	2T4R

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
334.00	V	-	-	-85.34	21.65	43.31	-54.10	-13.00	-41.10

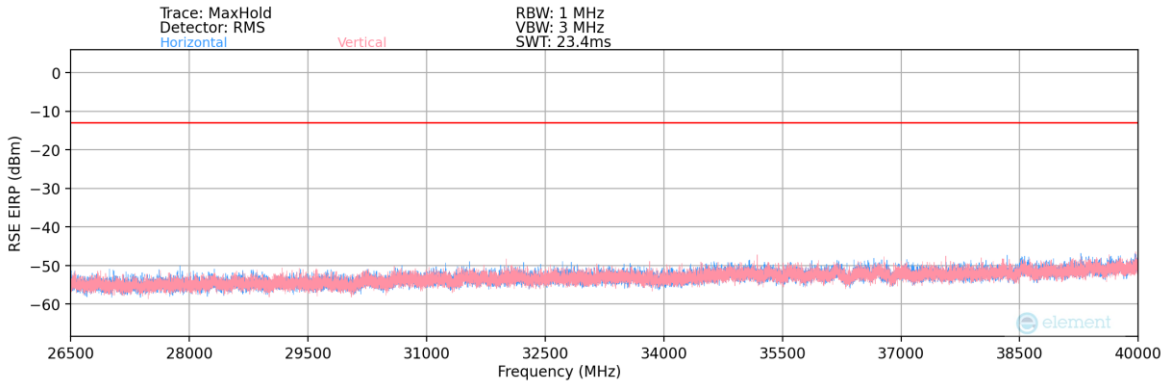
Table 7-35. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC3 (C-band) – Mid Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))



Plot 7-350. Radiated Spurious Plot 1-18GHz (NR Band 77 PC3 (C-band) – 3rd-LMHB+4th-LMH (SRS 2T4R))



Plot 7-351. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC3 (C-band) – 3rd-LMHB+4th-LMH (SRS 2T4R))



Plot 7-352. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC3 (C-band) – 3rd-LMHB+4th-LMH (SRS 2T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/136
Mode:	2T4R
Anchor Band:	-

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	V	-	-	-78.30	7.94	36.64	-58.62	-13.00	-45.62
11250.00	V	-	-	-79.18	11.51	39.33	-55.93	-13.00	-42.93
15000.00	V	-	-	-80.50	15.91	42.41	-52.85	-13.00	-39.85

Table 7-36. Radiated Spurious Data (NR Band 77 PC3 (C-band) – Low Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/136
Mode:	2T4R

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	V	291	11	-74.42	6.94	39.52	-55.73	-13.00	-42.73
11520.00	V	-	-	-79.54	11.97	39.43	-55.82	-13.00	-42.82
15360.00	V	-	-	-79.65	16.57	43.92	-51.33	-13.00	-38.33
19200.00	V	-	-	-56.87	2.25	52.38	-52.42	-13.00	-39.42

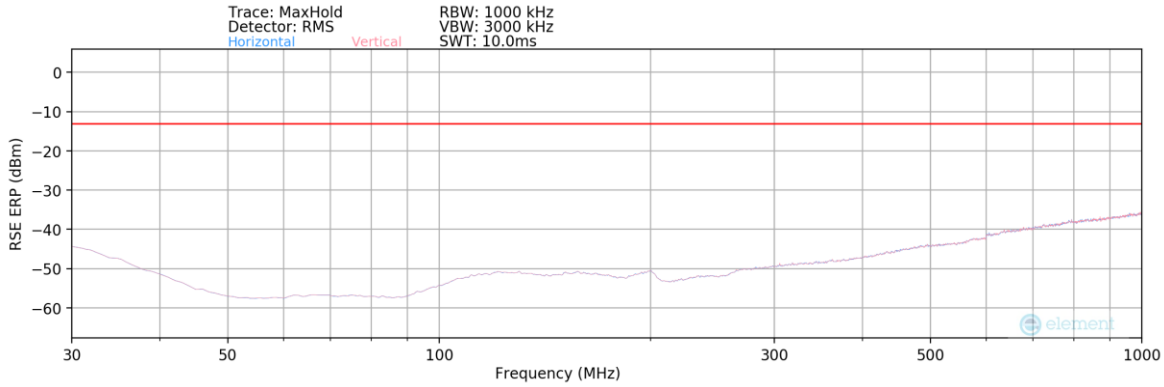
Table 7-37. Radiated Spurious Data (NR Band 77 PC3 (C-band) – Mid Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/136
Mode:	2T4R

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	V	-	-	-77.62	7.76	37.14	-58.11	-13.00	-45.11
11790.00	V	-	-	-79.79	12.83	40.04	-55.21	-13.00	-42.21
15720.00	V	-	-	-79.82	17.36	44.54	-50.71	-13.00	-37.71

Table 7-38. Radiated Spurious Data (NR Band 77 PC3 (C-band) – High Channel – 3rd-LMHB+4th-LMH (SRS 2T4R))

NR Band n77 PC2 (DoD) – Main1

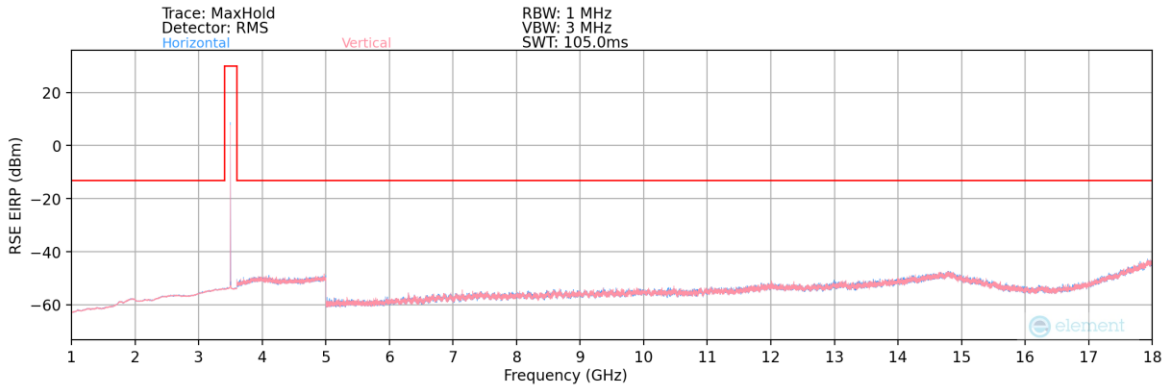


Plot 7-353. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (DoD) PC2 (DoD) – Main1)

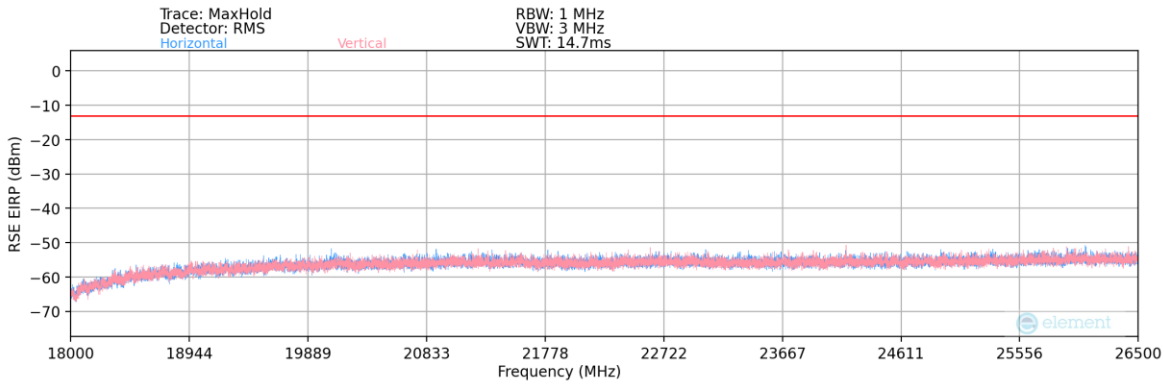
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1/136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
285.00	H	-	-	-85.19	20.98	42.79	-54.62	-13.00	-41.62

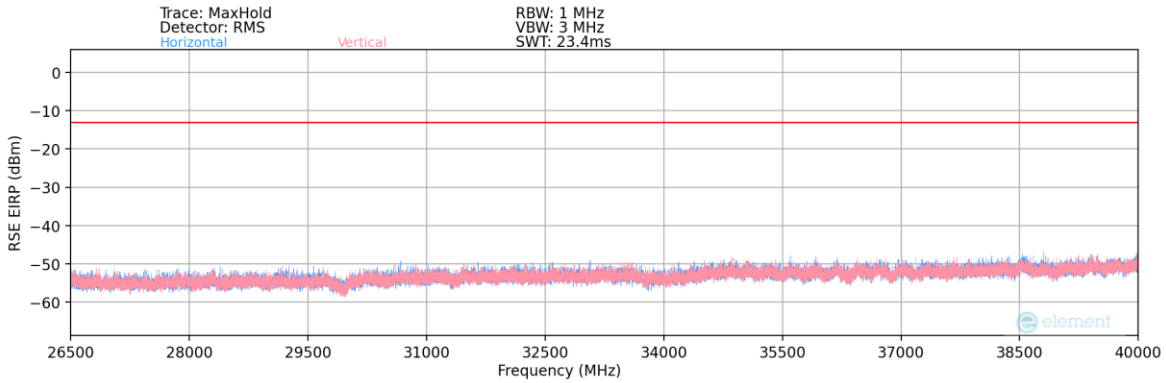
Table 7-39. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (DoD) – Mid Channel – Main1)



Plot 7-354. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (DoD) – Main1)



Plot 7-355. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (DoD) – Main1)



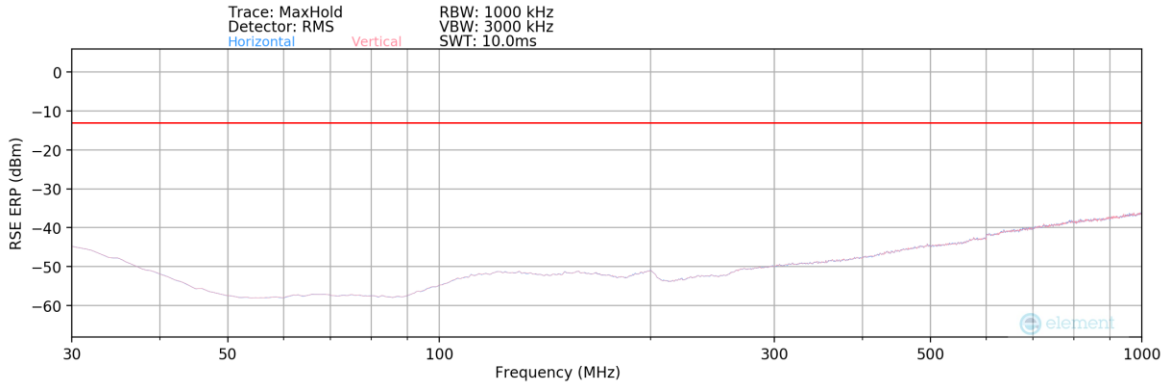
Plot 7-356. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (DoD) – Main1)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	H	-	-	-72.48	3.38	37.90	-57.36	-13.00	-44.36
10500.03	H	-	-	-73.07	7.69	41.62	-53.64	-13.00	-40.64
14000.04	H	-	-	-72.77	11.47	45.70	-49.56	-13.00	-36.56

Table 7-40. Radiated Spurious Data (NR Band 77 PC2 (DoD) – Mid Channel – Main1)

NR Band n77 PC2 (DoD) – Sub-UHB

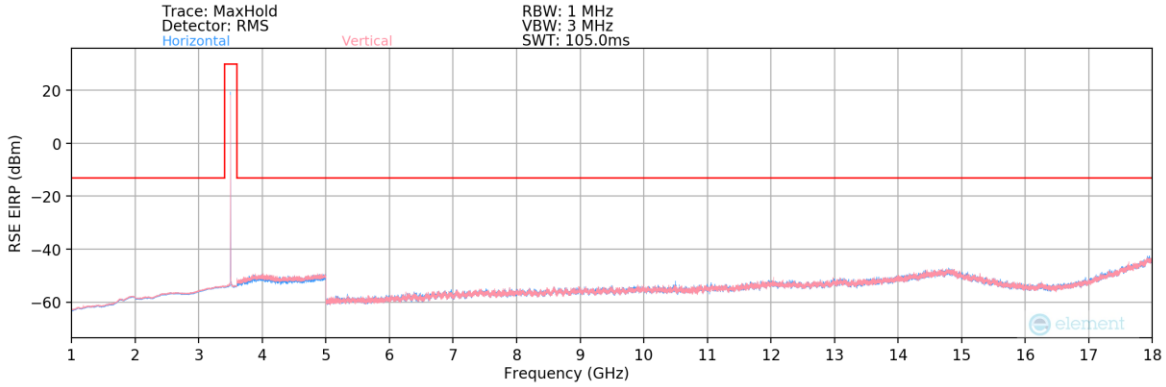


Plot 7-357. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (DoD) PC2 (DoD) – Sub-UHB)

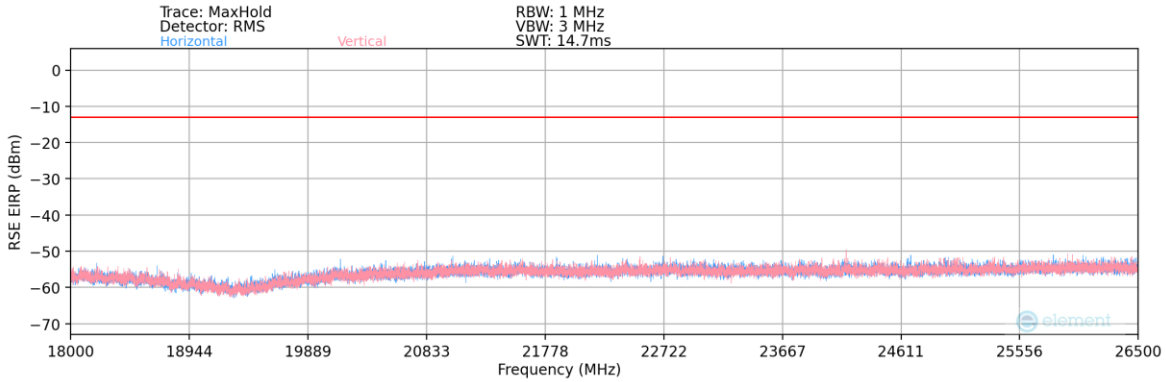
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
831.70	H	-	-	-89.88	30.46	47.58	-49.83	-13.00	-36.83

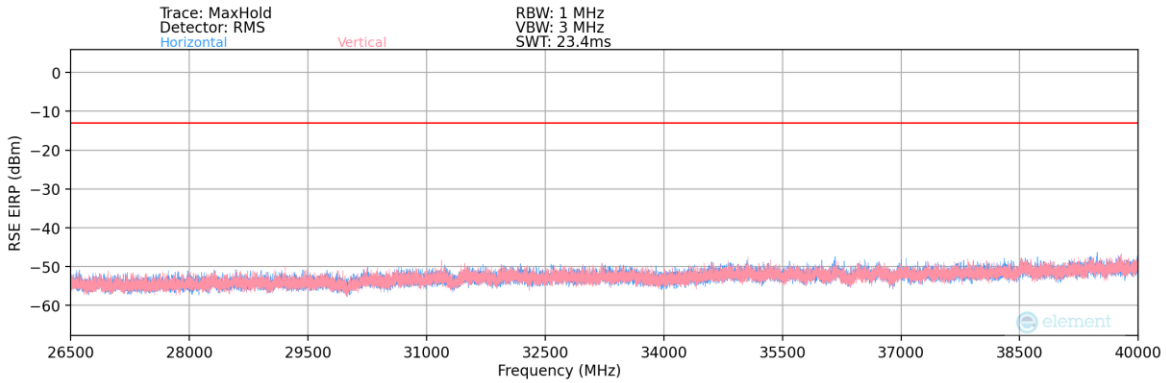
Table 7-41. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (DoD) – Mid Channel – Sub-UHB)



Plot 7-358. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (DoD) – Sub-UHB)



Plot 7-359. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (DoD) – Sub-UHB)



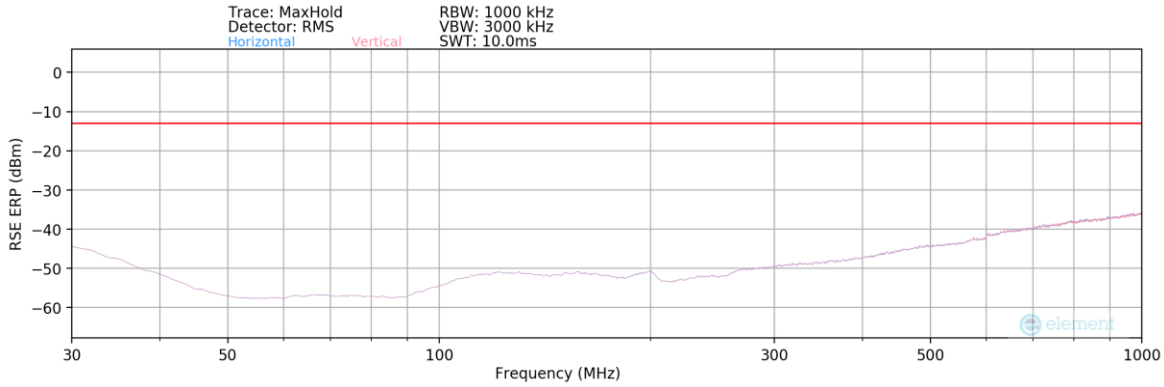
Plot 7-360. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (DoD) – Sub-UHB)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	H	-	-	-73.61	3.38	36.77	-58.49	-13.00	-45.49
10500.03	H	189	49	-68.63	7.69	46.06	-49.20	-13.00	-36.20
14000.04	H	276	9	-73.46	11.47	45.01	-50.25	-13.00	-37.25
17500.05	H	137	341	-72.46	13.83	48.37	-46.89	-13.00	-33.89
21000.06	H	-	-	-60.85	3.66	49.81	-54.99	-13.00	-41.99
24500.07	H	-	-	-60.53	4.10	50.57	-54.23	-13.00	-41.23
28000.08	H	-	-	-60.73	4.90	51.17	-53.63	-13.00	-40.63

Table 7-42. Radiated Spurious Data (NR Band 77 PC2 (DoD) – Mid Channel – Sub-UHB)

NR Band n77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R)

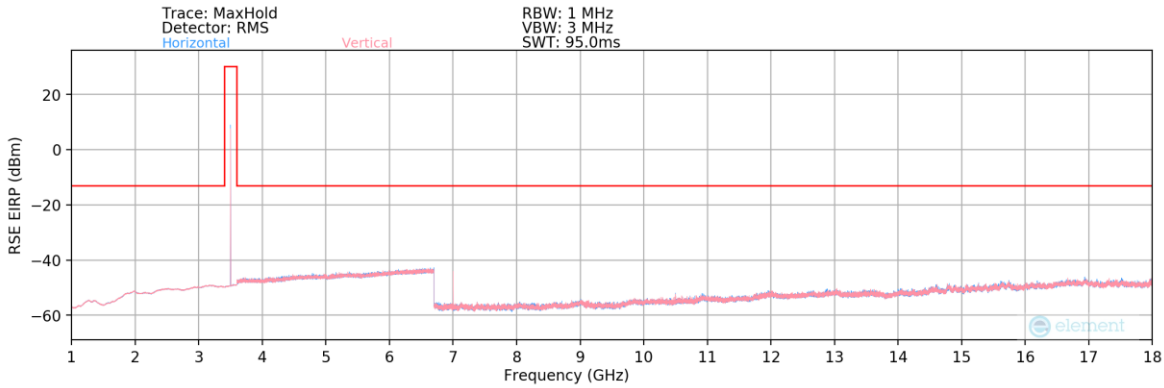


Plot 7-361. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (DoD) PC2 (DoD) – 3rd-LMHB (SRS 1T4R))

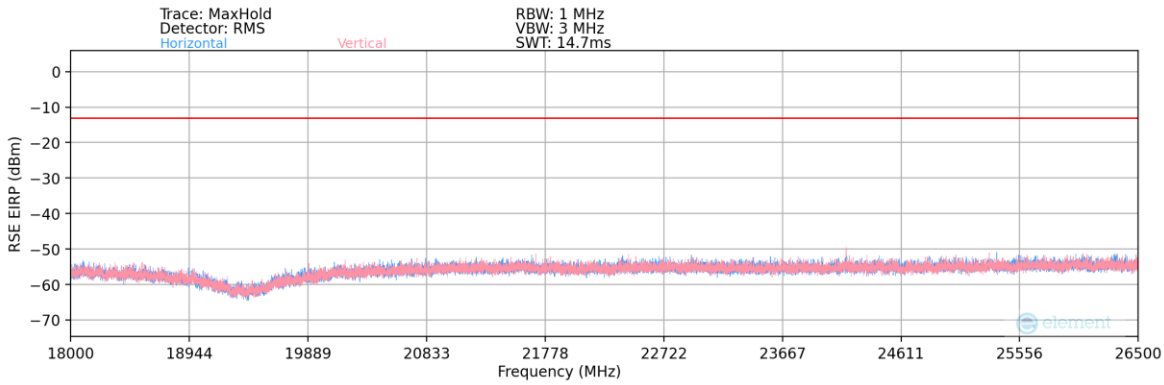
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
588.00	V	-	-	-84.61	27.03	49.42	-47.99	-13.00	-34.99

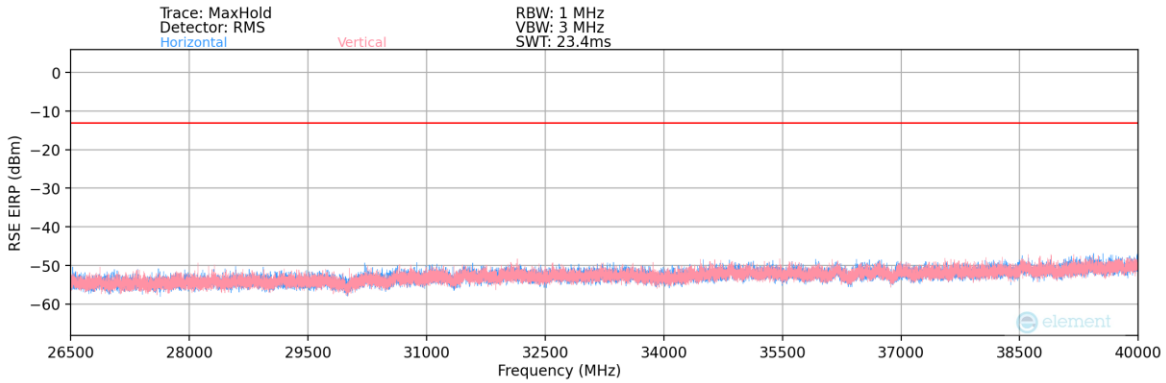
Table 7-43. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (DoD) – Mid Channel – 3rd-LMHB (SRS 1T4R))



Plot 7-362. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R))



Plot 7-363. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R))



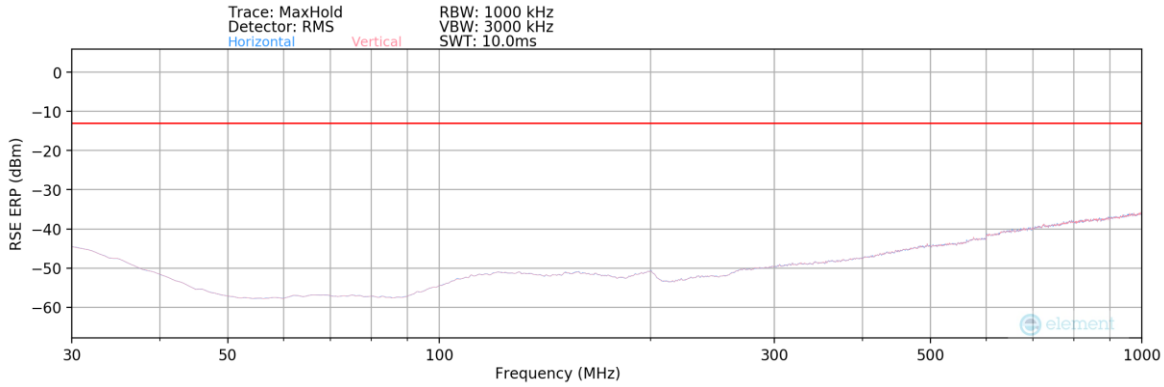
Plot 7-364. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (DoD) – 3rd-LMHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	V	194	305	-60.04	7.49	54.45	-40.81	-13.00	-27.81
10500.03	V	185	334	-75.46	10.91	42.45	-52.80	-13.00	-39.80
14000.04	V	240	356	-78.04	13.92	42.88	-52.37	-13.00	-39.37
17500.05	V	-	-	-79.89	17.45	44.56	-50.70	-13.00	-37.70
21000.06	V	-	-	-60.74	3.66	49.92	-54.88	-13.00	-41.88
24500.07	V	-	-	-60.11	4.10	50.99	-53.81	-13.00	-40.81

Table 7-44. Radiated Spurious Data (NR Band 77 PC2 (DoD) – Mid Channel – 3rd-LMHB (SRS 1T4R))

NR Band n77 PC2 (DoD) – 4th-MHB (SRS 1T4R)

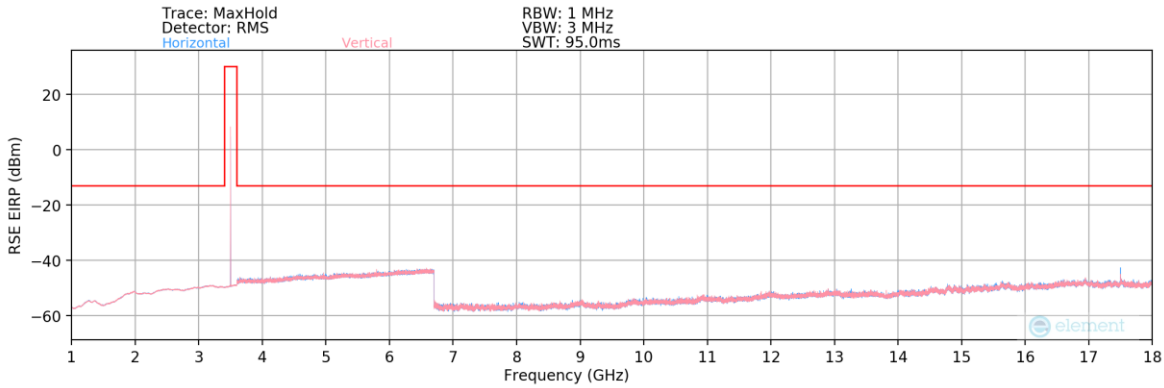


Plot 7-365. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (DoD) PC2 (DoD) – 4th-MHB (SRS 1T4R))

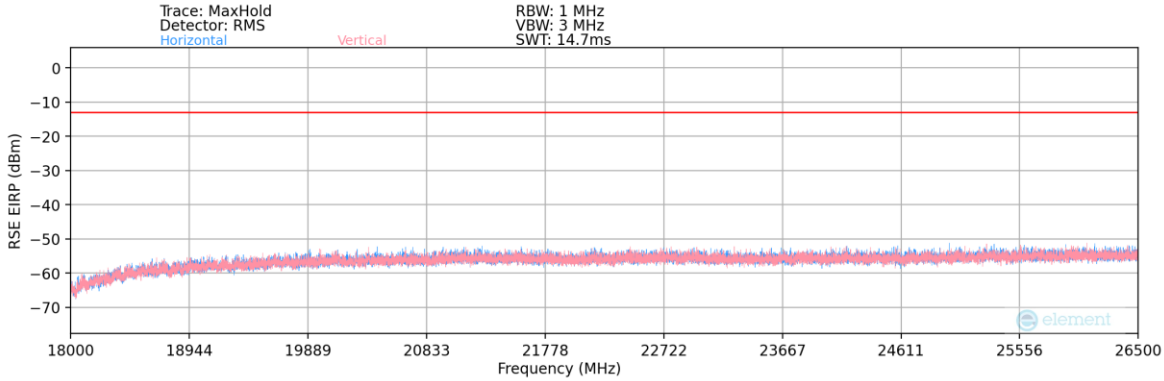
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
801.83	H	-	-	-83.73	30.01	53.28	-44.13	-13.00	-31.13

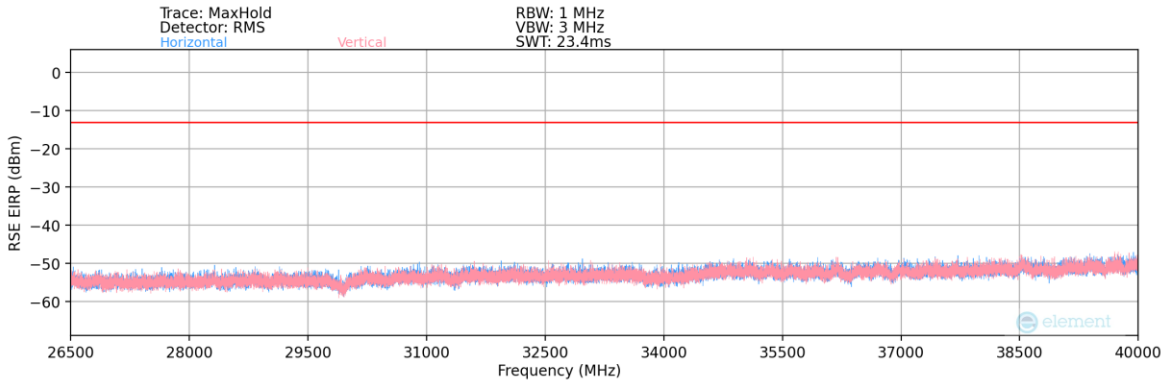
Table 7-45. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (DoD) – Mid Channel – 4th-MHB (SRS 1T4R))



Plot 7-366. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (DoD) – 4th-MHB (SRS 1T4R))



Plot 7-367. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (DoD) – 4th-MHB (SRS 1T4R))



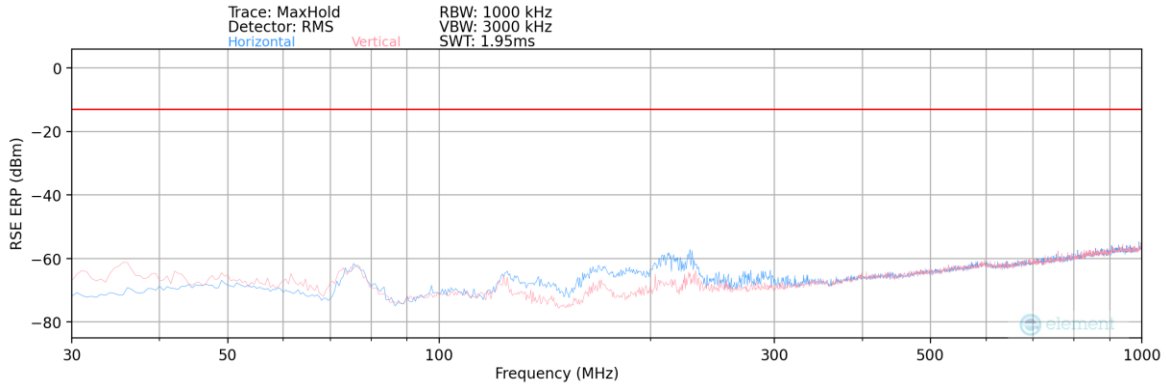
Plot 7-368. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (DoD) – 4th-MHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	H	280	87	-74.75	7.49	39.74	-55.52	-13.00	-42.52
10500.03	H	-	-	-78.38	10.91	39.53	-55.72	-13.00	-42.72
14000.04	H	-	-	-79.43	13.92	41.49	-53.76	-13.00	-40.76
17500.05	H	225	309	-71.64	17.45	52.81	-42.45	-13.00	-29.45
21000.06	H	150	251	-59.14	3.66	51.52	-53.28	-13.00	-40.28
24500.07	H	-	-	-60.88	4.10	50.22	-54.58	-13.00	-41.58
28000.08	H	-	-	-60.62	4.90	51.28	-53.52	-13.00	-40.52
31500.09	H	-	-	-60.84	7.41	53.57	-51.23	-13.00	-38.23

Table 7-46. Radiated Spurious Data (NR Band 77 PC2 (DoD) – Mid Channel – 4th-MHB (SRS 1T4R))

NR Band n77 PC2 (C-band) – Main1

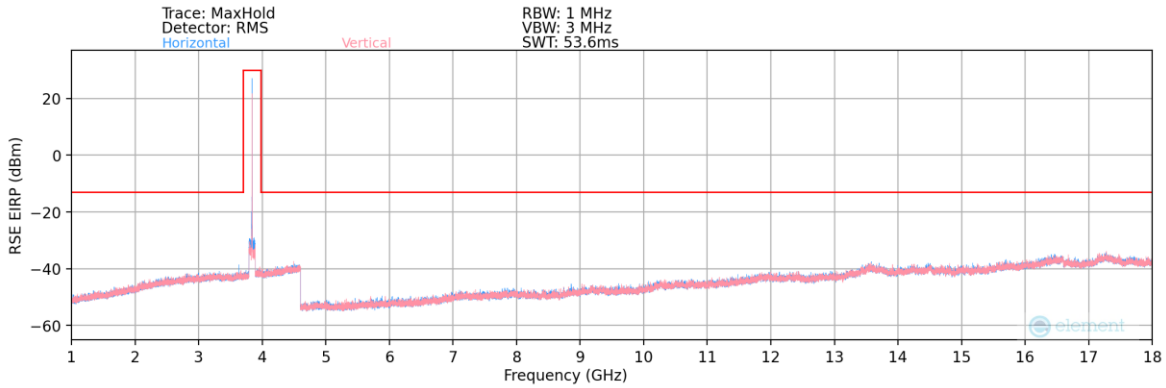


Plot 7-369. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (C-band) PC2 (C-band) – Main1)

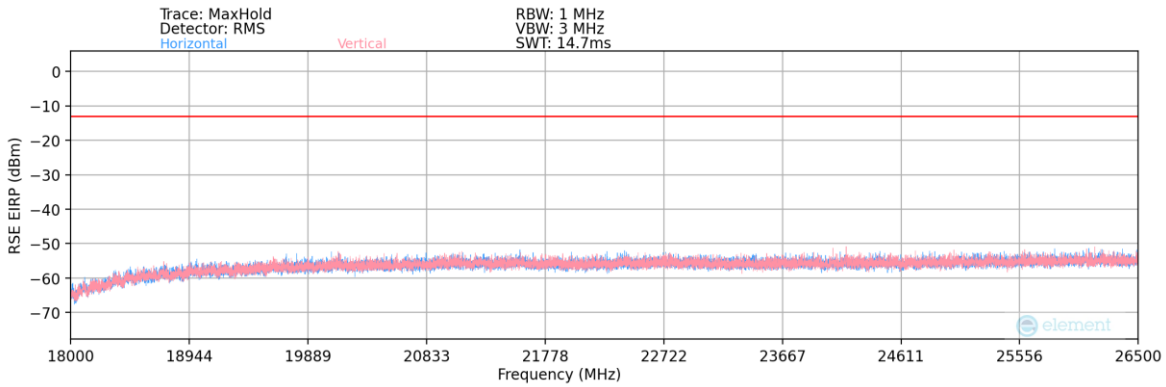
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
551.48	H	-	-	-71.02	-9.13	26.85	-70.56	-13.00	-57.56

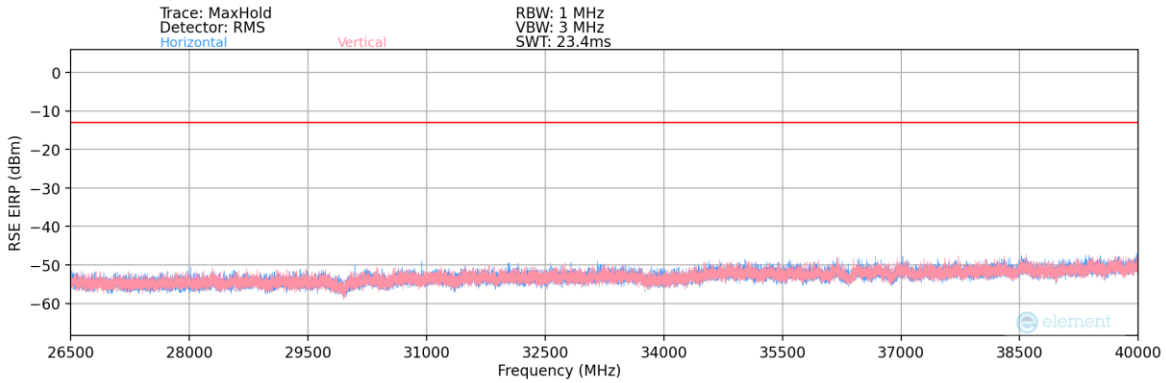
Table 7-47. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (C-band) – Mid Channel – Main1)



Plot 7-370. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (C-band) – Main1)



Plot 7-371. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (C-band) – Main1)



Plot 7-372. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (C-band) – Main1)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	H	-	-	-70.90	16.16	52.26	-43.00	-13.00	-30.00
11250.00	H	-	-	-71.26	21.85	57.59	-37.67	-13.00	-24.67
15000.00	H	-	-	-71.87	27.35	62.48	-32.78	-13.00	-19.78

Table 7-48. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Low Channel – Main1)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	-	-	-71.09	16.20	52.11	-43.14	-13.00	-30.14
11520.00	H	-	-	-70.28	22.19	58.91	-36.35	-13.00	-23.35
15360.00	H	-	-	-71.12	27.66	63.54	-31.72	-13.00	-18.72

Table 7-49. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Mid Channel – Main1)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	-	-	-70.68	15.86	52.18	-43.08	-13.00	-30.08
11790.00	H	-	-	-71.30	22.18	57.88	-37.38	-13.00	-24.38
15720.00	H	-	-	-72.69	28.45	62.76	-32.50	-13.00	-19.50

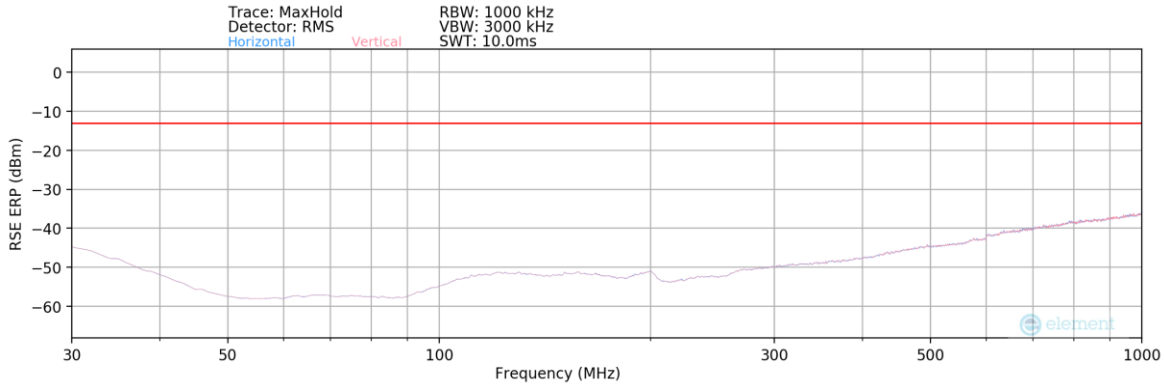
Table 7-50. Radiated Spurious Data (NR Band 77 PC2 (C-band) – High Channel – Main1)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	-	-	-70.86	16.20	52.34	-42.91	-13.00	-29.91
11520.00	H	-	-	-70.97	22.19	58.22	-37.04	-13.00	-24.04
15360.00	H	-	-	-71.15	27.66	63.51	-31.75	-13.00	-18.75

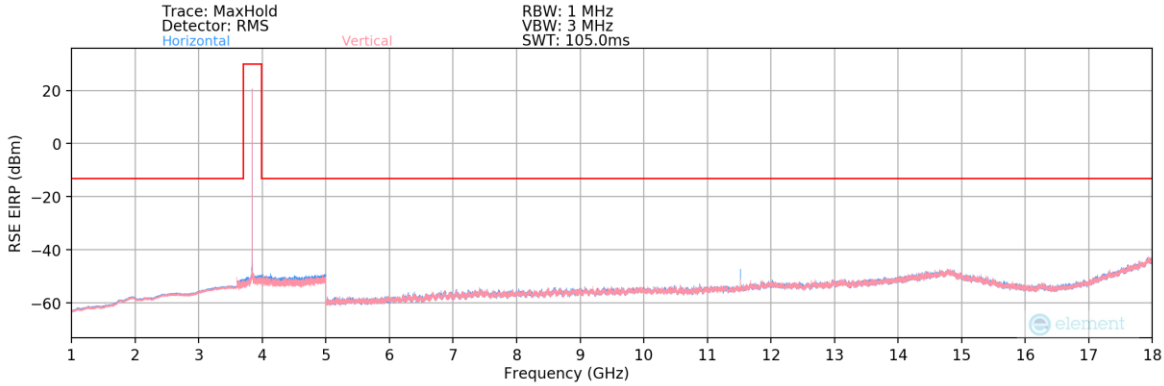
Table 7-51. Radiated Spurious Data with WCP (NR Band 77 PC2 (C-band) – Main1)

NR Band n77 PC2 (C-band) – Sub-UHB

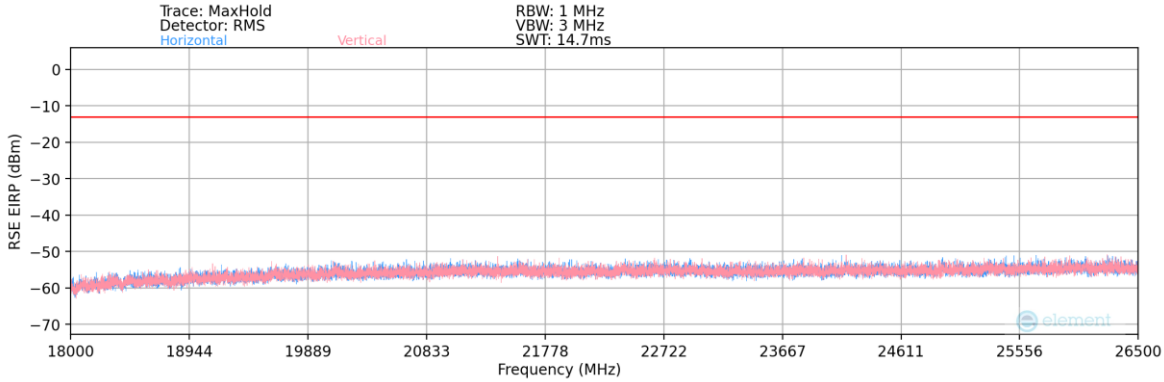


Plot 7-373. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (C-band) PC2 (C-band) – Sub-UHB)

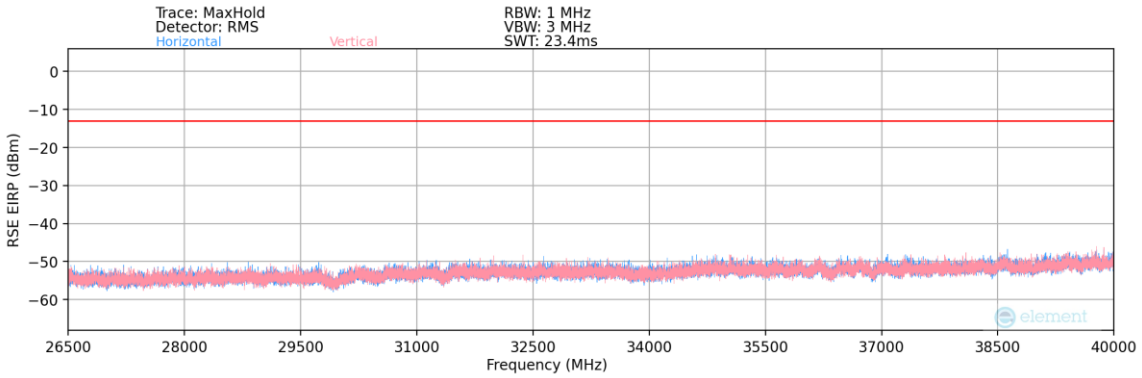
Table 7-52. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (C-band) – Mid Channel – Sub-UHB)



Plot 7-374. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (C-band) – Sub-UHB)



Plot 7-375. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (C-band) – Sub-UHB)



Plot 7-376. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (C-band) – Sub-UHB)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	H	-	-	-73.65	4.72	38.07	-57.19	-13.00	-44.19
11250.00	H	114	12	-68.36	7.61	46.25	-49.01	-13.00	-36.01
15000.00	H	-	-	-74.91	12.27	44.36	-50.90	-13.00	-37.90
18750.00	H	150	28	-53.85	1.87	55.02	-49.78	-13.00	-36.78
22500.00	H	150	271	-59.70	3.97	51.27	-53.53	-13.00	-40.53
26250.00	H	-	-	-60.46	4.35	50.89	-53.91	-13.00	-40.91
30000.00	H	-	-	-61.37	6.18	51.81	-52.99	-13.00	-39.99
33750.00	H	-	-	-60.79	7.89	54.10	-50.70	-13.00	-37.70

Table 7-53. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Low Channel – Sub-UHB)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	-	-	-73.56	4.00	37.44	-57.82	-13.00	-44.82
11520.00	H	254	18	-66.69	8.52	48.83	-46.43	-13.00	-33.43
15360.00	H	150	64	-72.79	10.81	45.02	-50.23	-13.00	-37.23
19200.00	H	150	36	-57.76	2.25	51.49	-53.31	-13.00	-40.31
23040.00	H	150	281	-58.68	3.99	52.31	-52.49	-13.00	-39.49
26880.00	H	-	-	-61.49	4.75	50.26	-54.54	-13.00	-41.54
30720.00	H	-	-	-60.83	6.80	52.97	-51.83	-13.00	-38.83
34560.00	H	-	-	-60.76	7.79	54.03	-50.77	-13.00	-37.77

Table 7-54. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Mid Channel – Sub-UHB)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	-	-	-73.70	4.59	37.89	-57.36	-13.00	-44.36
11790.00	H	201	20	-68.37	9.37	48.00	-47.25	-13.00	-34.25
15720.00	H	398	63	-74.38	9.26	41.88	-53.38	-13.00	-40.38
19650.00	H	150	9	-57.65	2.78	52.13	-52.67	-13.00	-39.67
23580.00	H	150	308	-58.79	4.00	52.21	-52.59	-13.00	-39.59
27510.00	H	-	-	-60.82	4.62	50.80	-54.00	-13.00	-41.00
31440.00	H	-	-	-60.77	6.99	53.22	-51.58	-13.00	-38.58
35370.00	H	-	-	-60.85	8.89	55.04	-49.76	-13.00	-36.76

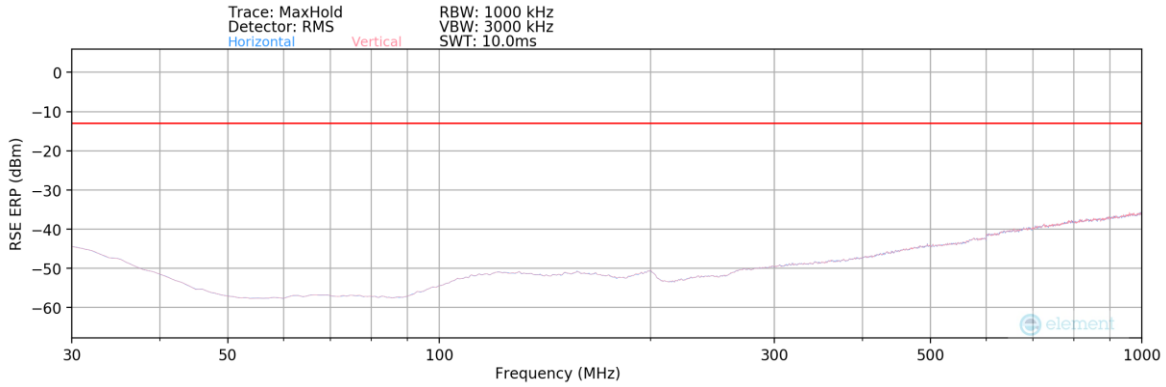
Table 7-55. Radiated Spurious Data (NR Band 77 PC2 (C-band) – High Channel – Sub-UHB)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	-	-	-73.66	4.00	37.34	-57.92	-13.00	-44.92
11520.00	H	129	26	-71.40	8.52	44.12	-51.14	-13.00	-38.14
15360.00	H	191	41	-74.58	10.81	43.23	-52.02	-13.00	-39.02
19200.00	H	150	28	-59.11	2.25	50.14	-54.66	-13.00	-41.66
23040.00	H	150	314	-59.88	3.99	51.11	-53.69	-13.00	-40.69
26880.00	H	-	-	-60.83	4.75	50.92	-53.88	-13.00	-40.88
30720.00	H	-	-	-60.96	6.80	52.84	-51.96	-13.00	-38.96
34560.00	H	-	-	-61.42	7.79	53.37	-51.43	-13.00	-38.43

Table 7-56. Radiated Spurious Data with WCP (NR Band 77 PC2 (C-band) – Sub-UHB)

NR Band n77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R)

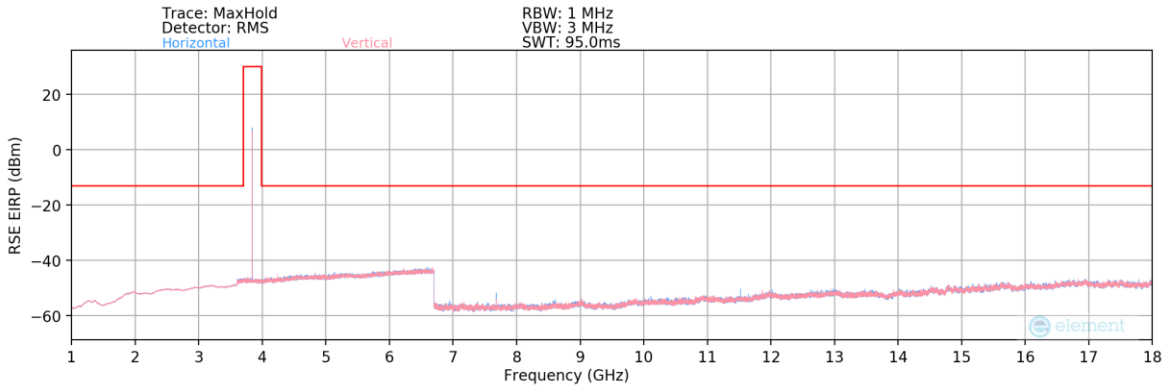


Plot 7-377. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (C-band) PC2 (C-band) – 3rd-LMHB (SRS 1T4R))

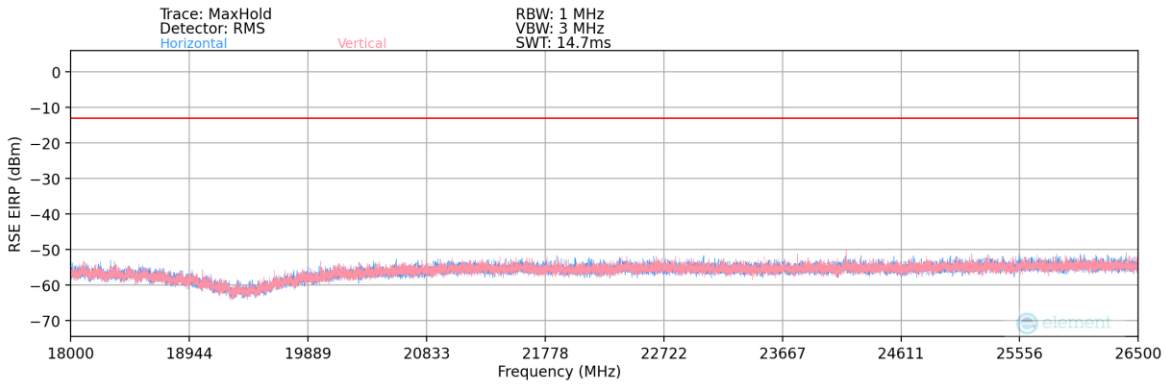
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
498.00	H	-	-	-84.57	25.78	48.21	-49.20	-13.00	-36.20

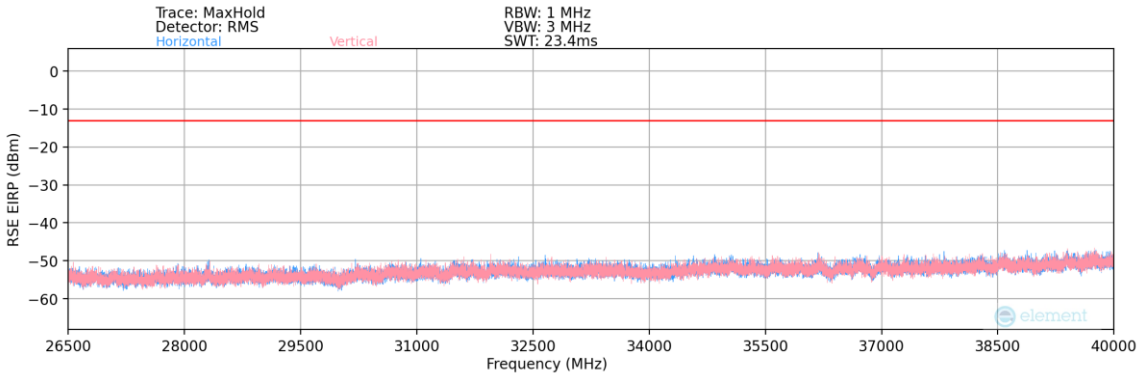
Table 7-57. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (C-band) – Mid Channel – 3rd-LMHB (SRS 1T4R))



Plot 7-378. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R))



Plot 7-379. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R))



Plot 7-380. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (C-band) – 3rd-LMHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	H	160	1	-67.81	7.94	47.13	-48.13	-13.00	-35.13
11250.00	H	170	337	-68.87	11.51	49.64	-45.62	-13.00	-32.62
15000.00	H	-	-	-80.52	15.91	42.39	-52.87	-13.00	-39.87
18750.00	H	150	32	-59.47	1.87	49.40	-55.40	-13.00	-42.40
22500.00	H	150	263	-59.54	3.97	51.43	-53.37	-13.00	-40.37
26250.00	H	-	-	-60.38	4.35	50.97	-53.83	-13.00	-40.83
30000.00	H	-	-	-61.18	6.18	52.00	-52.80	-13.00	-39.80
33750.00	H	-	-	-60.81	7.89	54.08	-50.72	-13.00	-37.72

Table 7-58. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Low Channel – 3rd-LMHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	132	5	-69.80	6.94	44.14	-51.11	-13.00	-38.11
11520.00	H	156	2	-74.10	11.97	44.87	-50.38	-13.00	-37.38
15360.00	H	200	22	-76.52	16.57	47.05	-48.20	-13.00	-35.20
19200.00	H	150	48	-62.83	2.25	46.42	-58.38	-13.00	-45.38
23040.00	H	150	268	-58.28	3.99	52.71	-52.09	-13.00	-39.09
26880.00	H	-	-	-60.32	4.75	51.43	-53.37	-13.00	-40.37
30720.00	H	-	-	-60.47	6.80	53.33	-51.47	-13.00	-38.47
34560.00	H	-	-	-60.66	7.79	54.13	-50.67	-13.00	-37.67

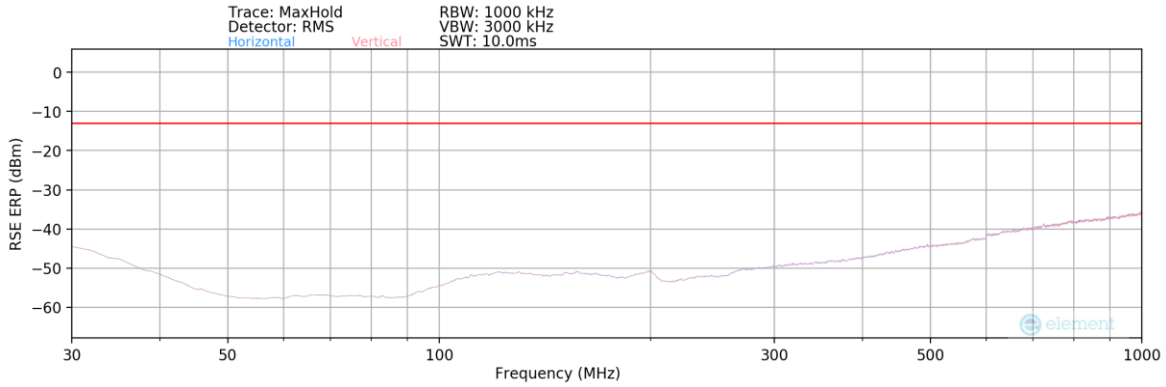
Table 7-59. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Mid Channel – 3rd-LMHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	138	40	-77.59	7.76	37.17	-58.08	-13.00	-45.08
11790.00	H	148	351	-74.27	12.83	45.56	-49.69	-13.00	-36.69
15720.00	H	166	41	-78.73	17.36	45.63	-49.62	-13.00	-36.62
19650.00	H	150	10	-62.40	2.78	47.38	-57.42	-13.00	-44.42
23580.00	H	150	284	-58.92	4.00	52.08	-52.72	-13.00	-39.72
27510.00	H	-	-	-60.55	4.62	51.07	-53.73	-13.00	-40.73
31440.00	H	-	-	-60.84	6.99	53.15	-51.65	-13.00	-38.65
35370.00	H	-	-	-60.72	8.89	55.17	-49.63	-13.00	-36.63

Table 7-60. Radiated Spurious Data (NR Band 77 PC2 (C-band) – High Channel – 3rd-LMHB (SRS 1T4R))

NR Band n77 PC2 (C-band) – 4th-MHB (SRS 1T4R)

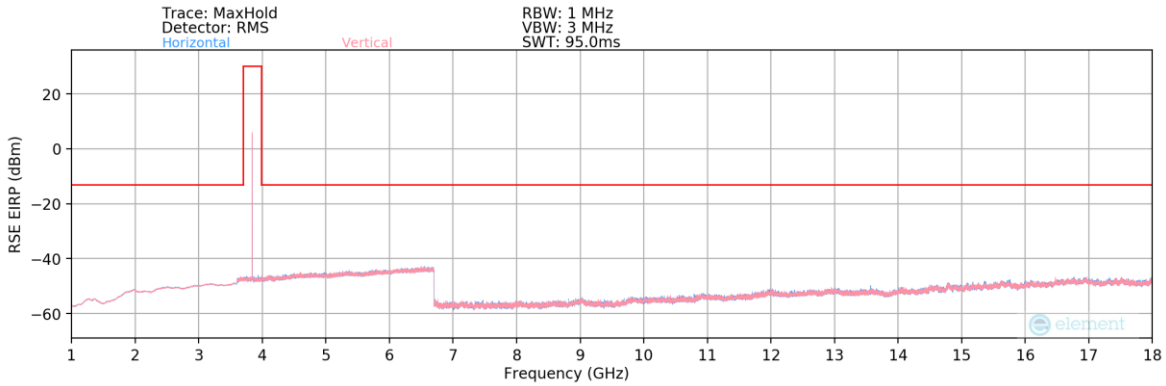


Plot 7-381. Radiated Spurious Plot 30MHz-1GHz (NR Band 77 PC2 (C-band) PC2 (C-band) – 4th-MHB (SRS 1T4R))

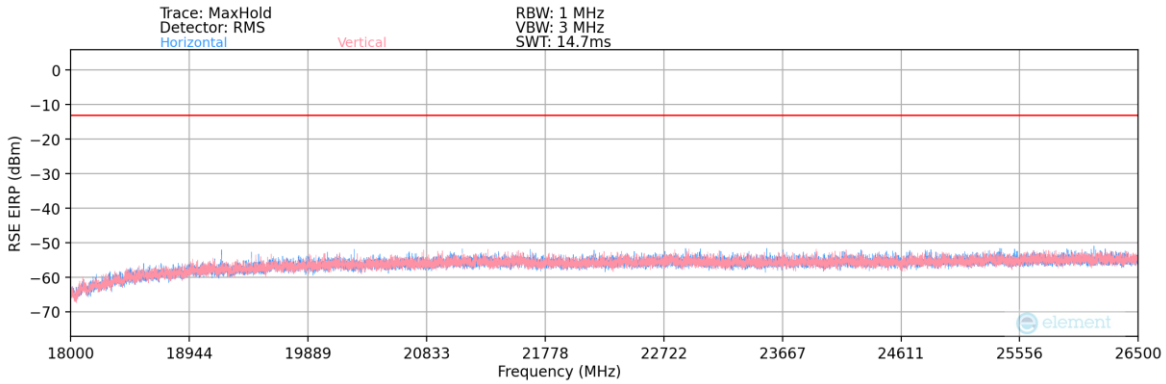
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
706.28	H	-	-	-84.15	28.93	51.78	-45.63	-13.00	-32.63

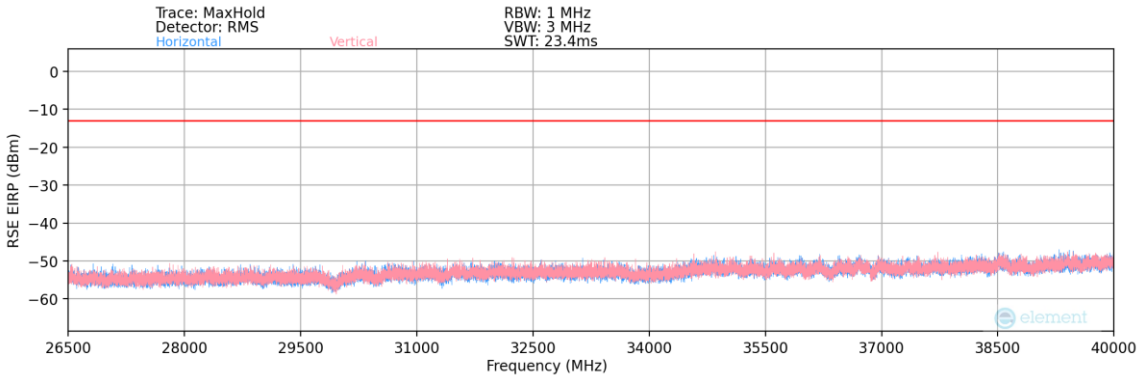
Table 7-61. Radiated Spurious Data 30MHz-1GHz (NR Band 77 PC2 (C-band) – Mid Channel – 4th-MHB (SRS 1T4R))



Plot 7-382. Radiated Spurious Plot 1-18GHz (NR Band 77 PC2 (C-band) – 4th-MHB (SRS 1T4R))



Plot 7-383. Radiated Spurious Plot 18-26.5GHz (NR Band 77 PC2 (C-band) – 4th-MHB (SRS 1T4R))



Plot 7-384. Radiated Spurious Plot 26.5-40GHz (NR Band 77 PC2 (C-band) – 4th-MHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	H	-	-	-77.94	7.94	37.00	-58.26	-13.00	-45.26
11250.00	H	256	306	-73.89	11.51	44.62	-50.64	-13.00	-37.64
15000.00	H	248	302	-76.86	15.91	46.05	-49.21	-13.00	-36.21
18750.00	H	150	256	-54.12	1.87	54.75	-50.05	-13.00	-37.05
22500.00	H	150	324	-59.64	3.97	51.33	-53.47	-13.00	-40.47
26250.00	H	-	-	-60.44	4.35	50.91	-53.89	-13.00	-40.89
30000.00	H	-	-	-60.93	6.18	52.25	-52.55	-13.00	-39.55
33750.00	H	-	-	-60.79	7.89	54.10	-50.70	-13.00	-37.70

Table 7-62. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Low Channel – 4th-MHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	-	-	-76.61	6.94	37.33	-57.92	-13.00	-44.92
11520.00	H	266	301	-69.60	11.97	49.37	-45.88	-13.00	-32.88
15360.00	H	237	296	-72.74	16.57	50.83	-44.42	-13.00	-31.42
19200.00	H	150	259	-52.75	2.25	56.51	-48.29	-13.00	-35.29
23040.00	H	150	328	-59.02	3.99	51.97	-52.83	-13.00	-39.83
26880.00	H	-	-	-61.07	4.75	50.68	-54.12	-13.00	-41.12
30720.00	H	-	-	-60.72	6.80	53.08	-51.72	-13.00	-38.72
34560.00	H	-	-	-60.05	7.79	54.74	-50.06	-13.00	-37.06

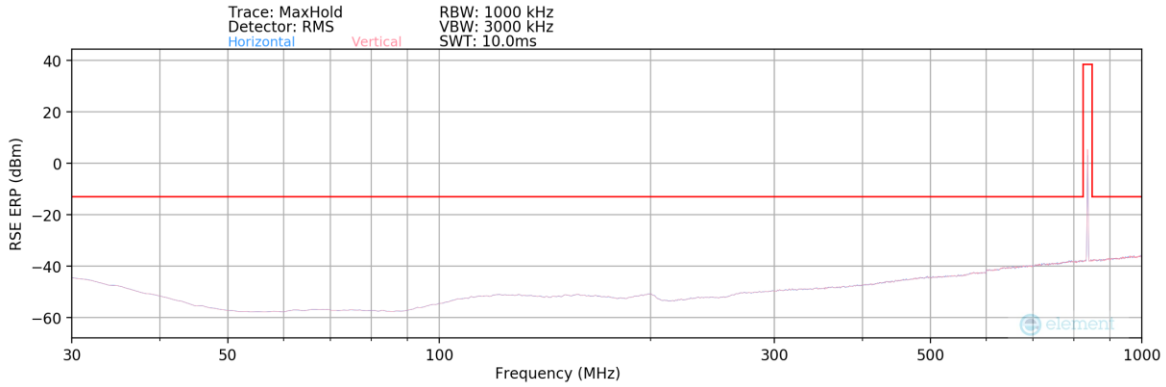
Table 7-63. Radiated Spurious Data (NR Band 77 PC2 (C-band) – Mid Channel – 4th-MHB (SRS 1T4R))

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

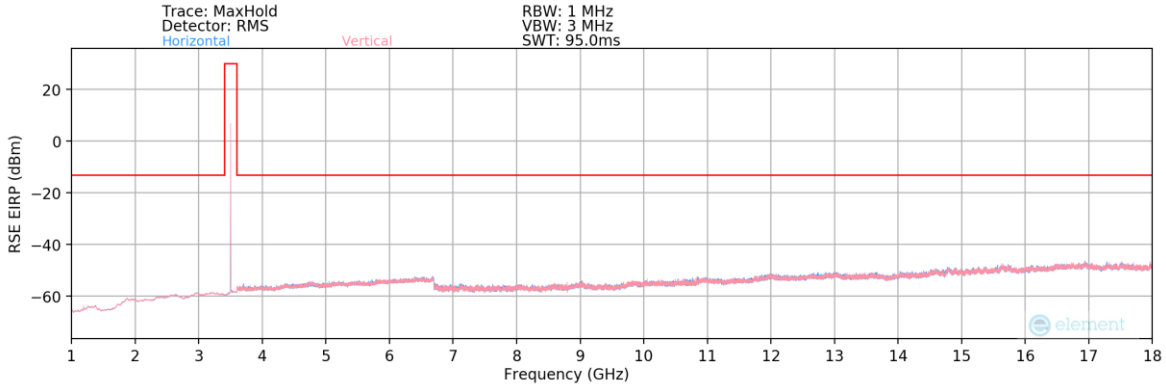
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	-	-	-76.77	7.76	37.99	-57.26	-13.00	-44.26
11790.00	H	258	30	-76.74	12.83	43.09	-52.16	-13.00	-39.16
15720.00	H	229	295	-65.91	17.36	58.45	-36.80	-13.00	-23.80
19650.00	H	150	259	-57.97	2.78	51.81	-52.99	-13.00	-39.99
23580.00	H	150	293	-59.66	4.00	51.34	-53.46	-13.00	-40.46
27510.00	H	-	-	-60.31	4.62	51.31	-53.49	-13.00	-40.49
31440.00	H	-	-	-60.88	6.99	53.11	-51.69	-13.00	-38.69
35370.00	H	-	-	-60.99	8.89	54.91	-49.89	-13.00	-36.89

Table 7-64. Radiated Spurious Data (NR Band 77 PC2 (C-band) – High Channel – 4th-MHB (SRS 1T4R))

EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Main1



Plot 7-385. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Main1)



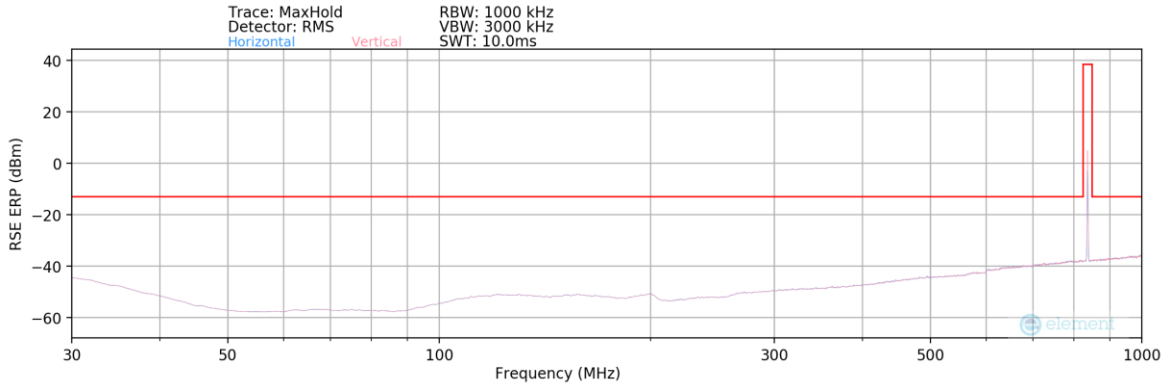
Plot 7-386. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Main1)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500.01 / 836.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 5

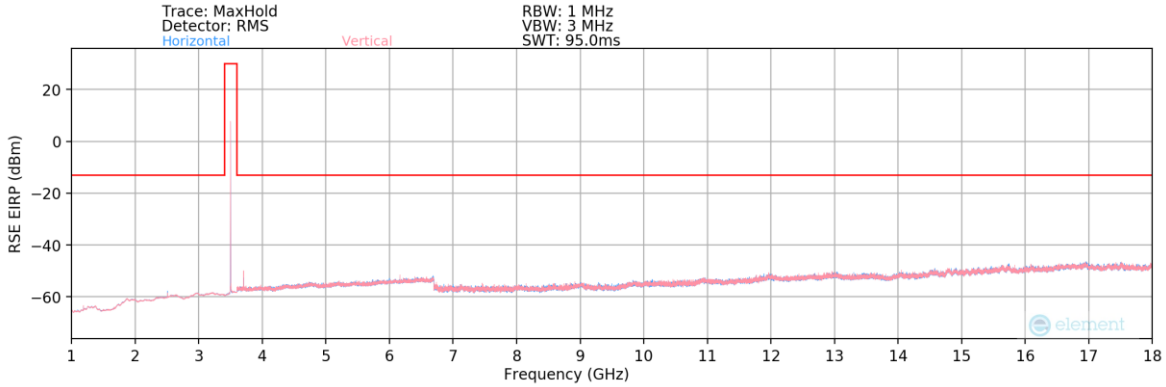
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
308.02	V	-	-	-84.82	21.26	43.44	-53.97	-13.00	-40.97
7154.03	V	-	-	-77.96	8.06	37.10	-58.15	-13.00	-45.15
9509.52	V	-	-	-79.35	9.39	37.04	-58.22	-13.00	-45.22
11182.52	V	-	-	-79.39	11.81	39.42	-55.84	-13.00	-42.84

Table 7-65. Radiated Spurious Data (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Main1)

EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Sub



Plot 7-387. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Sub)



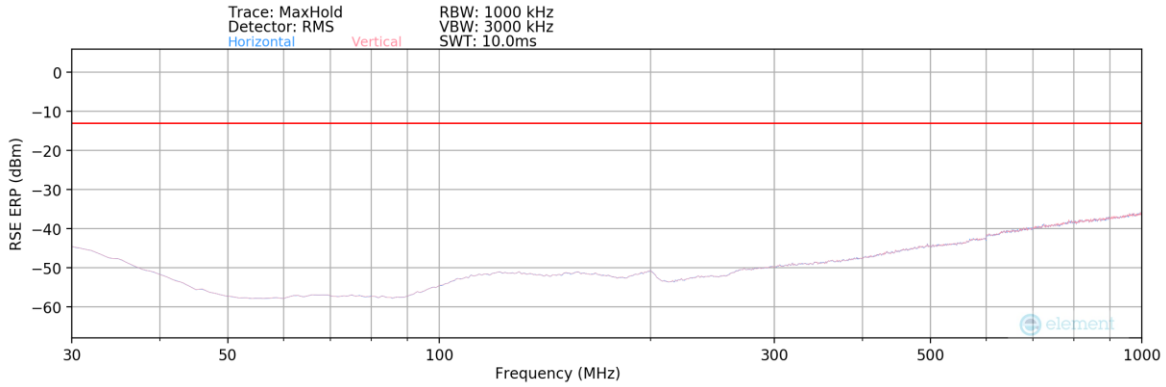
Plot 7-388. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Sub)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500.01 / 836.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 5

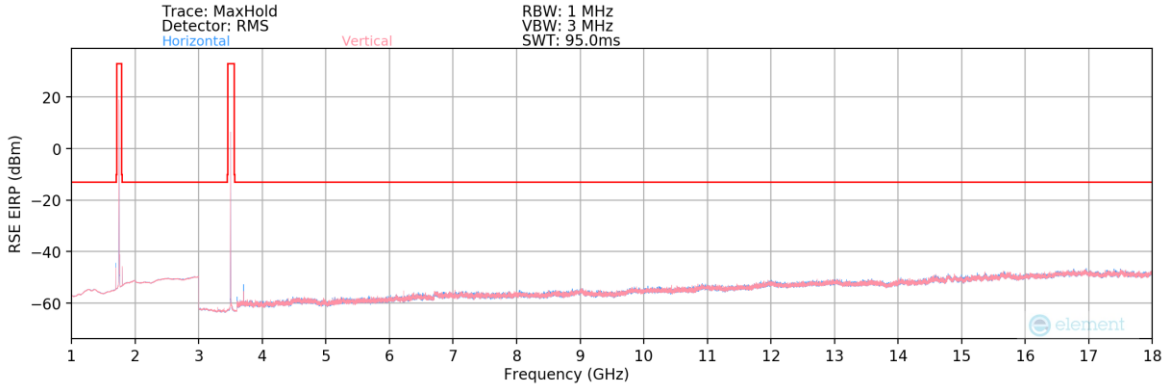
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
682.49	V	-	-	-85.89	28.44	49.55	-47.86	-13.00	-34.86
2509.50	H	231	173	-70.11	0.48	37.37	-57.89	-13.00	-44.89
3705.00	V	316	19	-67.59	2.58	41.99	-53.27	-13.00	-40.27
9509.52	V	-	-	-79.36	9.39	37.03	-58.23	-13.00	-45.23
11028.51	V	-	-	-78.67	11.58	39.91	-64.89	-13.00	-51.89
13163.54	V	-	-	-79.74	13.50	40.76	-64.04	-13.00	-51.04

Table 7-66. Radiated Spurious Data (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 5 Sub)

EN-DC: NR Band n77 (DoD) Main1 – LTE Band 66 Main2



Plot 7-389. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 66 Main2)



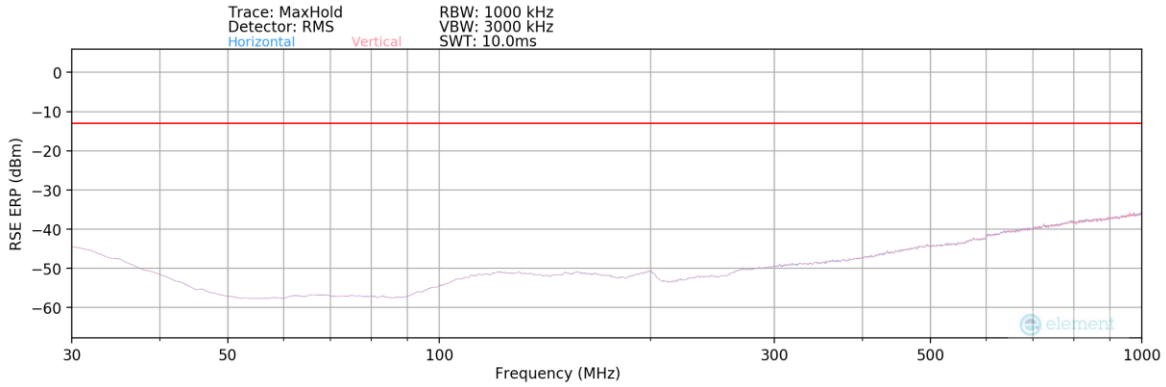
Plot 7-390. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 66 Main2)

Bandwidth (MHz):	100 / 20
Frequency (MHz):	3500.01 / 1745
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	Band 66

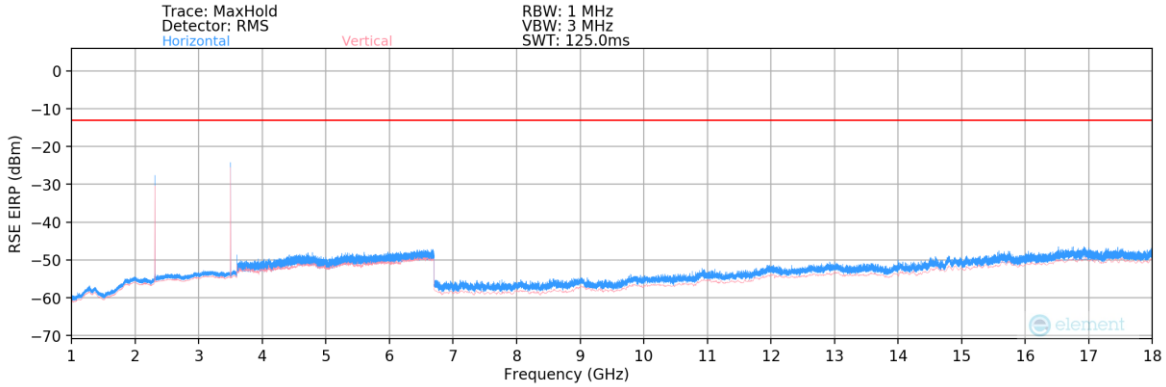
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
30.03	H	-	-	-85.98	27.23	48.25	-49.16	-13.00	-36.16
1734.99	H	137	17	-58.74	6.77	55.03	-40.23	-13.00	-27.23
1755.01	V	122	327	-59.28	6.91	54.63	-40.63	-13.00	-27.63
3510.02	H	140	18	-62.63	2.22	46.59	-48.67	-13.00	-35.67
3705.00	H	125	362	-69.94	3.22	40.28	-64.52	-13.00	-51.52
6224.50	H	-	-	-77.35	5.65	35.30	-69.50	-13.00	-56.50
8745.02	H	-	-	-78.31	7.90	36.59	-68.21	-13.00	-55.21

Table 7-67. Radiated Spurious Data (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 66 Main2)

EN-DC: NR Band n77 (DoD) Main1 – LTE Band 30 Main2



Plot 7-391. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 30 Main2)



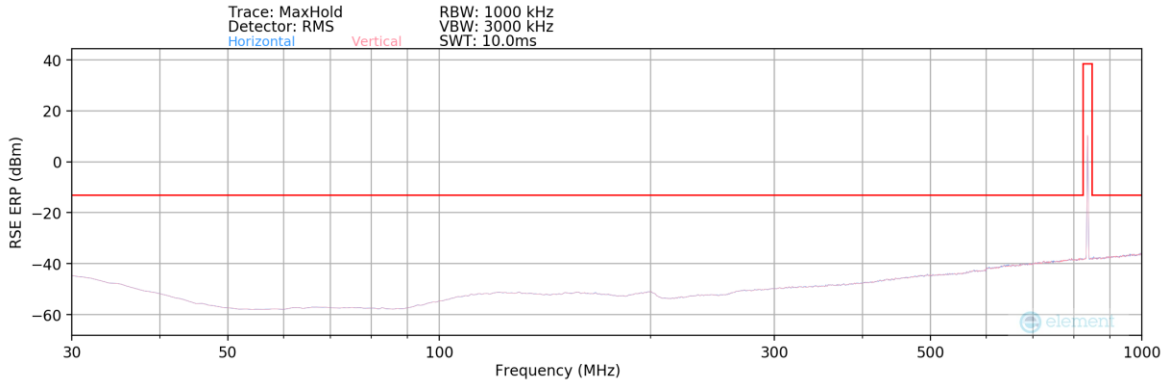
Plot 7-392. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 30 Main2)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500.01 / 2310
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 30

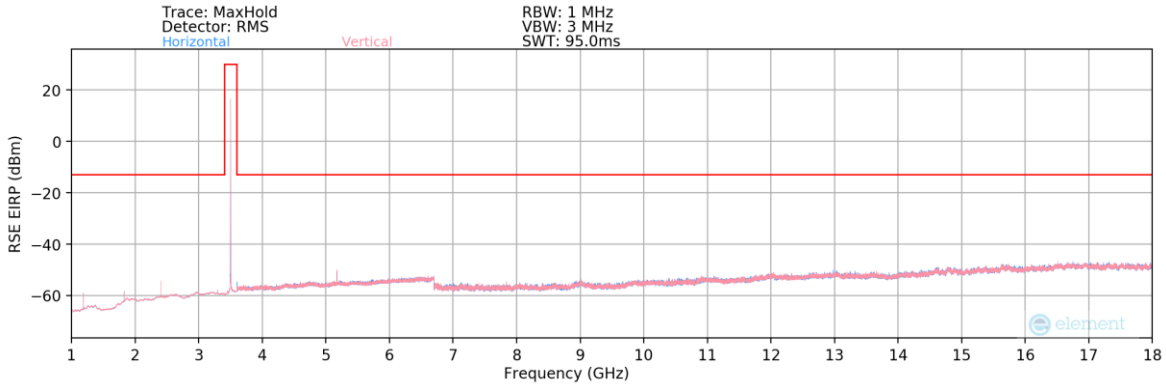
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
140.04	H	-	-	-85.54	19.71	41.17	-56.24	-13.00	-43.24
1119.01	V	-	-	-71.13	4.41	40.28	-54.98	-13.00	-41.98
1500.00	H	-	-	-71.48	4.97	40.49	-54.76	-13.00	-41.76
4620.00	H	-	-	-76.47	14.36	44.89	-50.37	-13.00	-37.37
6930.00	V	-	-	-77.75	7.60	36.85	-67.95	-13.00	-54.95
8120.01	V	-	-	-78.71	7.98	36.27	-68.53	-13.00	-55.53
9310.02	V	-	-	-78.75	9.14	37.39	-67.41	-13.00	-54.41

Table 7-68. Radiated Spurious Data (EN-DC: NR Band n77 (DoD) Main1 – LTE Band 30 Main2)

EN-DC: NR Band n77 (DoD) Sub-UHB – LTE Band 5 Sub



Plot 7-393. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (DoD) Sub-UHB – LTE Band 5 Sub)



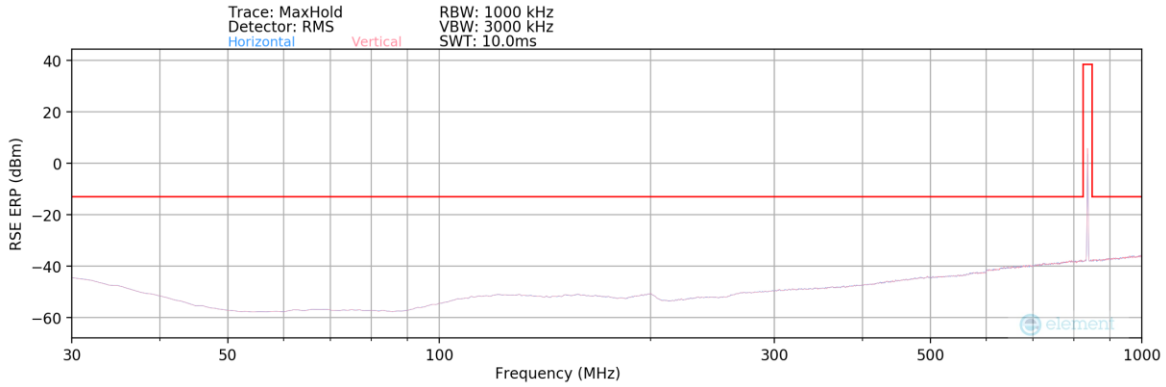
Plot 7-394. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (DoD) Sub-UHB – LTE Band 5 Sub)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500.01 / 836.5
RB / Offset:	1 / 136 & 1 /25
Mode:	EN-DC
Anchor Band:	Band 5

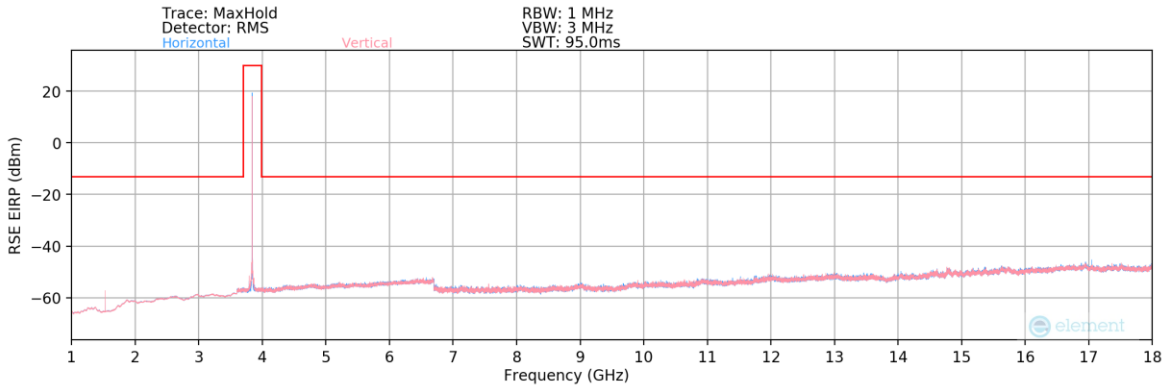
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
682.50	V	-	-	-90.52	28.44	44.92	-52.48	-13.00	-39.48
1185.80	V	126	346	-40.55	-4.18	62.27	-32.99	-13.00	-19.99
1827.00	V	142	182	-68.05	-1.03	37.92	-57.34	-13.00	-44.34
2355.50	V	335	98	-73.71	0.44	33.73	-61.52	-13.00	-48.52
5173.00	V	258	17	-67.14	4.81	44.67	-60.13	-13.00	-47.13
8673.00	V	-	-	-80.53	8.55	35.02	-69.78	-13.00	-56.78
11490.50	V	-	-	-82.39	12.33	36.94	-67.86	-13.00	-54.86

Table 7-69. Radiated Spurious Data (EN-DC: NR Band n77 (DoD) Sub-UHB – LTE Band 5 Sub)

EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Main1



Plot 7-395. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Main1)



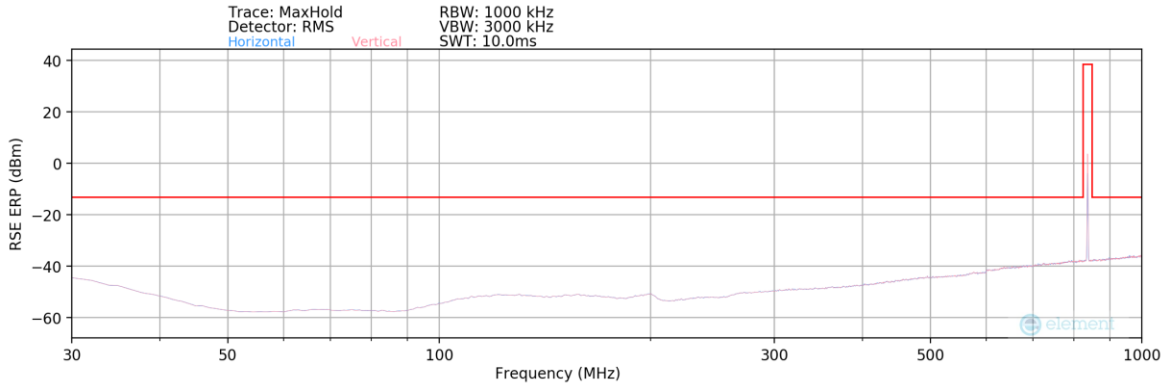
Plot 7-396. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Main1)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3840 / 836.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 5

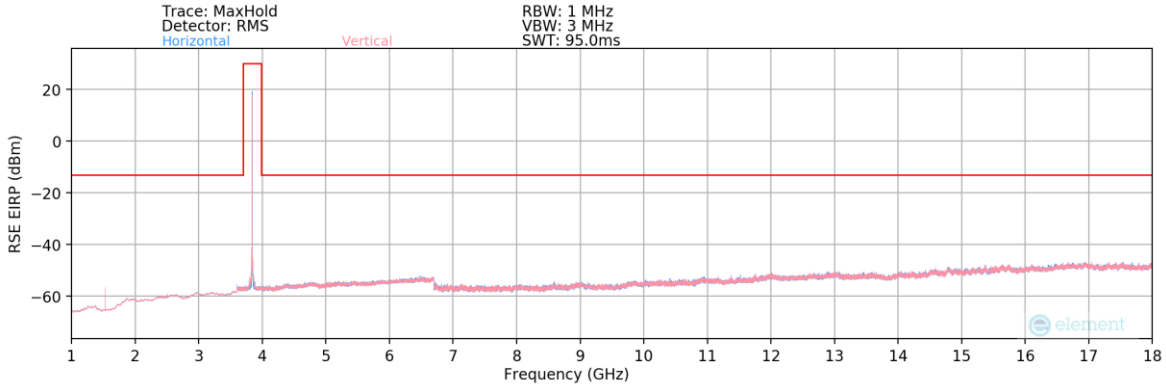
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
494.00	V	-	-	-84.84	25.91	48.07	-49.34	-13.00	-36.34
1525.50	V	340	5	-35.71	-4.29	67.00	-28.26	-13.00	-15.26
11520.00	V	240	36	-72.09	11.97	46.88	-48.37	-13.00	-35.37
14866.00	V	-	-	-80.35	16.16	42.81	-61.99	-13.00	-48.99
15854.00	V	-	-	-80.50	16.88	43.38	-61.42	-13.00	-48.42
17527.00	V	-	-	-79.78	17.34	44.56	-60.24	-13.00	-47.24

Table 7-70. Radiated Spurious Data (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Main1)

EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Sub



Plot 7-397. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Sub)



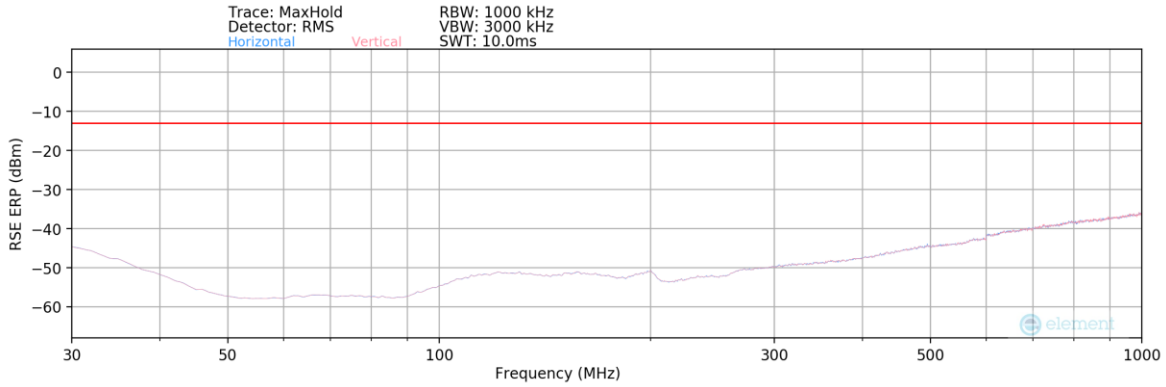
Plot 7-398. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Sub)

Bandwidth (MHz):	100 / 10
Frequency (MHz):	3840 / 836.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 5

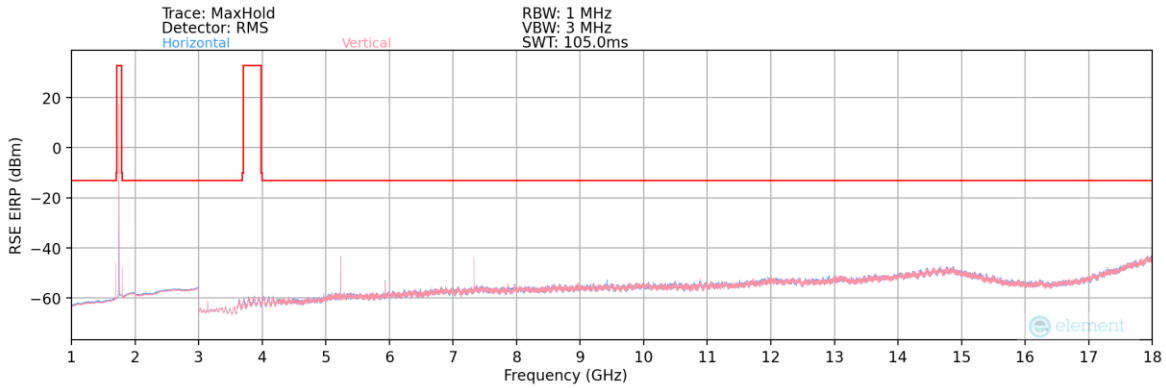
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
342.50	V	-	-	-84.61	22.12	44.51	-52.90	-13.00	-39.90
1525.50	V	338	365	-35.59	-4.29	67.12	-28.14	-13.00	-15.14
8859.00	V	-	-	-77.56	8.33	37.77	-57.49	-13.00	-44.49
12850.50	V	-	-	-80.11	14.19	41.08	-63.72	-13.00	-50.72
15854.00	V	-	-	-80.36	16.88	43.52	-61.28	-13.00	-48.28

Table 7-71. Radiated Spurious Data (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 5 Sub)

EN-DC: NR Band n77 (C-band) Main1 – LTE Band 66 Main2



Plot 7-399. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 66 Main2)



Plot 7-400. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 66 Main2)

Bandwidth (MHz):	100 / 20
Frequency (MHz):	3500.01 / 1745
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	Band 66

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
350.00	H	-	-	-90.75	22.02	38.27	-59.14	-13.00	-46.14
5935.00	H	-	-	-76.18	0.91	31.73	-63.53	-13.00	-50.53
7330.00	H	-	-	-77.56	3.84	33.28	-61.98	-13.00	-48.98
9425.00	H	-	-	-79.02	7.19	35.17	-69.63	-13.00	-56.63

Table 7-72. Radiated Spurious Data (EN-DC: NR Band n77 (C-band) Main1 – LTE Band 66 Main2)